DOMINION
DUE DILIGENCE

PHASE I ENVIRONMENTAL SITE ASSESSMENT
BAY RIDGE GARDENS
1 BENS DRIVE
ANNAPOLIS, ANNE ARUNDEL COUNTY, MARYLAND 21403

D3G PROJECT NUMBER:
2025-001713

REPORT ISSUE DATE:
NOVEMBER 14, 2025

INSPECTION DATE:
SEPTEMBER 09, 2025

PREPARED FOR:
ROSE COMMUNITY DEVELOPMENT COMPANY, LLC C/O BAY RIDGE GARDENS, ACQ-REHAB
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Environmental Professional — Signature

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DOMINION
DUE DILIGENCE

EXECUTIVE PROPERTY DESCRIPTION

Property: Bay Ridge Gardens
1 Bens Drive
Annapolis, Anne Arundel County, Maryland 21403

Site Description: The subject property consists of eleven (11) three-story apartment structures and one (1) single-story laundry center constructed in circa 1976, one (1) single-story rental office constructed in circa 1994, and one (1) two-story vacant single-family home constructed in circa 1960. The subject property structures contain a total of 198 residential dwelling units and are situated on approximately 12.52 acres of land. Exterior property improvements include two (2) playgrounds, a basketball court, landscaped regions and asphalt parking areas. The subject property is serviced by electricity, natural gas, and municipally supplied water and sewer. The Sponsor is submitting this project for a HUD Mark-up-to-Market with additional funding via a Maryland Department of Housing and Community Development (DHCD) low-income housing tax credit (LIHTC) application, consisting of a HAP contract assignment and the rehabilitation of the existing multi-family apartment complex as well as the demolition of the existing vacant single-family home and new construction of a community center structure.



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1.0 EXECUTIVE SUMMARY

The following table summarizes the conclusions and opinions representing Dominion Due Diligence Group's (D3G's) best professional judgment based on information accessed during the course of this investigation. D3G performed a Phase I Environmental Site Assessment that included subject property observations of the Bay Ridge Gardens on September 9, 2025 located at 1 Bens Drive in Annapolis, Anne Arundel County, Maryland (subject property).

EVALUATED CONDITIONS	SECTION REFERENCE	ACCEPTABLE	RECOMMENDED RESPONSE ACTION
STANDARD ENVIRONMENTAL RECORDS REVIEW	5.1	YES	
UNREGULATED UNDERGROUND STORAGE TANK(S) (UST)	6.3	YES	
PAST INDUSTRIAL/DETRIMENTAL OPERATIONS	5.4 5.5	YES	
VAPOR ENCROACHMENT CONDITION	5.6	YES	
STORED HAZARDOUS MATERIALS	6.3 6.4	YES	
POLYCHLORINATED BIPHENYLS (PCBS)	6.3 6.4	YES	
ABOVEGROUND STORAGE TANK(S) (AST)	6.3 6.4	YES	
DUMPING, LANDFILLS	6.3	YES	
HAZARDOUS RUN-OFF	6.3	YES	
ASBESTOS-CONTAINING MATERIALS	8.1		(1)
LEAD-BASED PAINT	8.2	YES	
RADON GAS	8.3	YES	
OTHER	NA	YES	

(1) If suspect ACMs are encountered during renovation/demolition activities which have not been previously sampled, they should be sampled by an appropriately licensed asbestos inspector prior to impaction and treated accordingly or treated as ACMs. ACMs which are to be impacted by renovation/demolition activities should be removed by a licensed asbestos abatement contractor in accordance with applicable regulations. Any remaining ACMs or assumed ACMs should be managed under the site-specific Operations and Maintenance (O&M) Program prepared by D3G dated September 30, 2025. The O&M Program should be updated to reflect any abatement activities.

2.0 INTRODUCTION

2.1 Purpose

Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab contracted Dominion Due Diligence Group (D3G) to perform a Phase I Environmental Site Assessment (ESA) of the Bay Ridge Gardens located at 1 Bens Drive in Annapolis, Anne Arundel County, Maryland (subject property). As such, Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab and the Maryland Department of Housing and Community Development (DHCD) are considered the "Users" of this report as defined under ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process Designation: E 1527-21 (ASTM E 1527-21). HUD is an authorized user of this Phase I ESA.

The purpose of the Phase I ESA is to provide all appropriate inquiry into the previous ownership and uses of the subject property and to identify recognized environmental conditions (RECs), which are (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to a release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. In addition, the Phase I ESA includes the identification of controlled recognized environmental conditions (CRECs), historical recognized environmental conditions (HRECs), and de minimis conditions. CRECs are RECs affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations). HRECs involve a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). An HREC is not a REC. De minimis conditions generally do not present a threat to human health or the environment and generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A de minimis condition is not a REC nor a CREC. For the purposes of this reporting, D3G defines "environmental concerns" as de minimis conditions and non-scope considerations for which further action is recommended.

As per the U.S. Housing and Urban Development (HUD) Multifamily Accelerated Processing Guide, as amended, the Phase I ESA provides an initial determination of the overall Department's environmental responsibilities pursuant to 24 CFR 50.3(i). In addition, this report assesses non-scope considerations as directed by the client. Factual information regarding on-site business operations, conditions, and historical data provided to D3G is assumed to be correct and complete.

This investigation was conducted in accordance with ASTM E 1527-21 published guidelines, 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries: Final Rule, U.S. Housing and Urban Development (HUD) Multifamily Accelerated Processing Guide, as amended, accepted Phase I ESA industry standards, and Maryland Department of Housing and Community Development (DHCD) environmental guidelines.

2.2 Detailed Scope of Services

The ASTM E 1527-21 scope of work for this Phase I ESA consisted of the following:

- site reconnaissance of the subject property and a visual survey of the adjacent properties to evaluate the potential for RECs;
- review of applicable and reasonably ascertainable information about the subject property, including aerial photography, USGS topographic map, state and federal databases, Sanborn maps, property assessment information and other governmental sources that are publicly available, practically reviewable, and obtainable within reasonable time and cost constraints;
- interviews with selected individuals knowledgeable about the subject property and vicinity properties; and
- if provided, a review of existing environmental reports documenting previous assessment and remediation efforts completed at the subject property.

D3G also evaluated the following ASTM Non-Scope Considerations, including, but not limited to, Tier 1 Vapor Encroachment Screening in general compliance with ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions Designation: E 2600-22, Maryland Department of Housing and Community Development environmental guidelines, asbestos-containing materials, lead-based paint, radon gas, floodplain hazards, and wetlands. In addition, it should be noted that the HUD Environmental Review Record Related Federal Laws and Authorities Worksheets are included under separate cover.

This Phase I ESA did not include the collection or analysis of soil or groundwater samples.

2.3 Significant Assumptions

Factual information regarding on-site business operations, conditions, and historical data provided to D3G is assumed to be correct and complete. D3G assumes no responsibility for hidden or latent conditions or misrepresentation, or inaccurate information provided, by the property owner, its representatives, public information officials or any authority consulted in connection with the compilation of this report.

D3G assumes that all information provided by Environmental Data Resources, Inc. (EDR) regarding the regulatory status of facilities within the approximate minimum search distance is complete, accurate and current.

D3G assumes no responsibility for differing opinions or interpretations by client or governmental or regulatory agencies of controlling laws, standards, or regulations provided D3G's services were performed in a professional manner.

2.4 Limitations and Exceptions

D3G encountered the following limitations, exceptions, and/or data gaps during the performance of this Phase I ESA:

- Our on-site observations pertain only to specific locations at specific times on specific dates. This report and conclusions herein are based upon data collection between August 15, 2025 and November 14, 2025. Our observations and conclusions do not reflect variations in conditions that may exist, in unexplored areas of the site, or at times other than those represented by our observations.
- In order for the prospective purchaser to claim protection from CERCLA liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner, the acquisition of the subject property should be completed within 180 days after the subject property inspection date.
- Accordingly, the professional services rendered by D3G are valid for a period of 180 days.
- According to 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries: Final Rule, CERCLA liability rests with the owner or operator of a property and not with an environmental professional hired by the prospective landowner and who is not involved with the ownership or operation of the property.
- This report meets the requirements set forth in 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries: Final Rule. However, in order to qualify for certain landowner liability protections under CERCLA, Bona Fide Prospective Purchasers, Contiguous Property Owners, and/or Innocent Landowners must meet additional requirements in 101(35)(B) of CERCLA (42 U.S.C. 9601(35)) of the Federal Register.
- No significant data gaps in historical information were identified that would impact D3G's ability to identify RECs. Collectively the sources considered and consulted during the course of this assessment allowed D3G to adequately determine the subject property history. Therefore, these data gaps are not considered to be significant.
- Historical information was not reasonably ascertainable prior to 1943; however, this did not affect the conclusions in this report because the subject property was undeveloped and wooded in 1943. Therefore, this limitation is not significant.
- During the subject property reconnaissance, the northern portion of the subject property was covered with dense vegetation. Therefore, D3G was unable to identify items including, but not limited to, stained areas, stressed vegetation, monitoring wells, vent pipes, fill ports, or manhole covers on the northern portion of the subject property. However, based on a review of historical aerial photographs, a records review of state and federally-regulated facilities provided by Environmental Data Resources Inc. (EDR), interviews with the Current Landowner Representative, and the fact that only a portion of the subject property consisted of densely vegetated land, D3G believes that this limitation is not significant and does not represent a REC to the subject property.
- At the time this report was issued, D3G had not received the completed user, current landowner, previous landowner, or key site manager questionnaires.

2.5 Special Terms and Conditions

This investigation was conducted in accordance with ASTM E 1527-21 published guidelines and 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries: Final Rule and Maryland Department of Housing and Community Development environmental guidelines. In addition, Non-Scope items are addressed in accordance with the U.S. HUD Multifamily Accelerated Processing (MAP) Guide, as amended.

2.6 User Reliance

This report has been prepared for, and can be relied upon by the Client, Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab, the United States Department of Housing and Urban Development (HUD), and the Maryland Department of Housing and Community Development (DHCD). This report is not to be relied upon or reproduced, either in whole or in part, without written consent from D3G.

3.0 SUBJECT PROPERTY DESCRIPTION

3.1 Location and Legal Description

The subject property is located at 1 Bens Drive in Annapolis, Anne Arundel County, Maryland and contains a total of approximately 12.52 acres of land. The subject property is situated at an elevation of approximately approximately 30 - 50 feet above mean sea level and is located at Latitude, 38.951731 and Longitude, -76.492105.

MUNICIPAL PARCEL IDENTIFIER	MUNICIPAL PARCEL NUMBER
ACCOUNT IDENTIFIER	00153950 & 90037930

SOURCE - Anne Arundel County assessment documents

A copy of the tax cards and a map illustrating the legal property boundary is included in Appendix A of this report.

3.2 Site and Vicinity General Characteristics

The subject property is located in an area of residential and light commercial development, and undeveloped wooded land.

3.3 Current Use of the Subject Property

The subject property is currently utilized as a multi-family apartment complex and undeveloped wooded land.

3.4 Description of Structures, Roads, and Other Improvements

The following section describes general conditions and features as noted during D3G's inspection:

GENERAL SUBJECT PROPERTY DESCRIPTION AND IMPROVEMENTS	
SUBJECT PROPERTY ACREAGE	Approximately 12.52
BUILDING(S) DESCRIPTION	Eleven (11) three-story apartment structures, one (1) two-story vacant single-family residential structure, one (1) single-story rental office, and one (1) single-story laundry center
ADJOINING ROADS	Bay Ridge Avenue, Hillsmere Drive, and Bens Drive
CONSTRUCTION DATE(S)	Circa 1960, circa 1976, and circa 1994
EXTERIOR IMPROVEMENTS	Two (2) playgrounds, one (1) basketball court, landscaped regions, and asphalt parking areas
UNIMPROVED AREAS	Undeveloped wooded land on the northwest corner of the subject property.

D3G was provided an ALTA/ACSM Land Title Survey prepared by Vika Incorporated dated July 28, 2010, which depicts the subject property boundaries, acreage, structures, exterior improvements, easements, legal description, and general vicinity characteristics. A copy of the ALTA/ACSM Land Title Survey is included in Appendix B.

D3G was provided a Site Illustration prepared by Bonstra Haresign Architects dated June 15, 2021, which depicts the subject property boundaries, structures, and general vicinity characteristics. A copy of the Site Illustration is included in Appendix B.

3.4.1 Subject Property Utilities

SUBJECT PROPERTY UTILITIES	
ELECTRICITY	BGE
NATURAL GAS	BGE
WATER	Anne Arundel County
SANITARY SEWER	Anne Arundel County
INDUSTRIAL WASTEWATER	N/A
SOLID WASTE	Goode Companies, Inc.

HEATING SOURCE	AGE
Natural Gas	Circa 1960/1976/1994 - Current

COOLING SOURCE	AGE
Electricity	Circa 1960/1976/1994 - Current

3.5 Current Uses of Adjoining Properties

DIRECTION	LAND USAGE
NORTH	John Wesley United Methodist Church & single-family residential
EAST	Single-family residential
SOUTH	Bay Ridge Road, Bay Ridge Market Place Shopping Center*, and Truist
WEST	Bay Ridge Avenue, Exxon**, Shell***, an unnamed shopping center, undeveloped wooded land, Mt Moriah AME Church, and single-family residential

Tenants within the southern adjacent Bay Ridge Market Place Shopping Center consist of an unnamed liquor store, the Annapolis Smokehouse & Tavern, Verizon, American Nail, Lemus Barber Shop 2, and Subway.

Tenants within the western adjacent unnamed shopping center consist of a Benjamin Moore, K&B Ace Hardware, Bay Ridge Animal Hospital, Annapolis Cat Hospital, Halpern Architects, Annapolis Property Services, and Chesapeake Sailmakers.

The Bay Ridge Market Place Shopping Center is discussed further in Sections 5.2 and 5.5.3.

Exxon is discussed further in Sections 5.1.1, 5.2, 5.5.3, and 5.6.

Shell is discussed further in Sections 5.1.1, 5.1.2, 5.2, 5.5.3, and 5.6.

See Appendix B for a copy of the Site Plan, which identifies subject property structure(s) and general vicinity characteristics.

4.0 USER PROVIDED INFORMATION

4.1 Title Records

PARCEL IDENTIFICATION	OWNER	PURCHASE DATE	DEED BOOK/PAGE
00153950	BRG 2 LLC	October 4, 2010	22688/00058
	Bay Ridge Gardens Ltd Partnership	December 30, 1993	06405/00767
	Annapolis Woods Venture JT VNT	Unknown	Unknown
90037930	BRG 2 LLC	June 30, 2022	38893/00288
	Rahf IV Type B Holdings LLC	January 28, 2022	38291/00291
	Pineda Jesus Antonio Villanueva	June 28, 2019	33299/00011
	Aarei LLC	Unknown	Unknown

SOURCE - Anne Arundel County assessment documents

Due to the nature of the tax assessment documents and deed records, a thorough chain-of-title was not reasonably ascertainable.

4.2 Environmental Liens or Activity and Use Limitations (AULs)

D3G has not been provided information regarding environmental liens and AULs by the User.

4.3 Specialized Knowledge

D3G has not been provided information regarding specialized knowledge or experience that is material to recognized environmental conditions in connection with the subject property by the User.

4.4 Commonly Known or Reasonably Ascertainable Information

D3G has not been provided information regarding commonly known or reasonably ascertainable information within the local community about the property that is material to recognized environmental conditions in connection with the property by the User.

4.5 Valuation Reduction for Environmental Issues

D3G has not been provided any knowledge of valuation reduction for environmental issues pertaining to the subject property by the User or Current Landowner Representative.

4.6 Owner, Property Manager, and Occupant Information

The subject property is currently owned by BRG 2 LLC and the Current Landowner questionnaire is discussed further in Sections 7.1 and/or 7.2. The Key Site Manager and the questionnaire is discussed further in Section 7.4.

4.7 Reason For Performing Phase I ESA

The user informed D3G that the Phase I ESA is being performed because the Sponsor is submitting this project for a HUD Mark-up-to-Market with additional funding via a Maryland Department of Housing and Community Development (DHCD) low-income housing tax credit (LIHTC) application, consisting of a HAP contract assignment and the rehabilitation of the existing multi-family apartment complex as well as the demolition of the existing vacant single-family home and new construction of a community center structure.

4.8 Previous Environmental Reports

A previous DRAFT Phase I ESA report produced by EBI Consulting (EBI) dated August 28, 2017 was provided to D3G for review. EBI concluded that there were no recognized environmental conditions (RECs) associated with the subject property. It should be noted that the on-site vacant single-family structure was not included in the Phase I ESA.

A previous Phase I ESA report produced by Partner Engineering and Science, Inc. (Partner) dated July 30, 2021 was provided to D3G for review. Partner concluded that there were no recognized environmental conditions (RECs) associated with the subject property. It should be noted that the rental office and vacant single-family residential structure was not included in the Phase I ESA.

5.0 RECORDS REVIEW

5.1 Standard Environmental Records Sources

5.1.1 State Regulatory Records

DATABASE	SEARCH DISTANCE
STATE AND TRIBAL LEAKING STORAGE TANK DATA (LUST/LAST)	0.50 Mile
STATE AND TRIBAL STORAGE TANK DATA (UST/AST)	0.25 Mile
STATE AND TRIBAL VOLUNTARY CLEANUP PROGRAM SITES (VCP)	0.50 Mile
STATE AND TRIBAL BROWNFIELD SITES (BROWNFIELDS)	0.50 Mile
STATE AND TRIBAL HAZARDOUS WASTE SITES (SHWS)	1.00 Mile
STATE AND TRIBAL INSTITUTIONAL/ENGINEERING CONTROLS (IC/EC)	0.125 Mile
STATE AND TRIBAL REGISTERED SOLID WASTE LANDFILLS (SWL)	0.75 Mile

SOURCE - State of Maryland governmental records accessed by Environmental Data Resources Inc. (EDR)

Crown Ser. Station #MD-37 / Crown MD-037 / Shell Station - PMG 5038 - Shell Station - PMG 5038 / Crown (currently Shell Gas Station), located adjacent to the southwest presumed hydrogeologically up-gradient from the subject property at 2232 Bay Ridge Avenue, is identified in the EDR Report as a UST and HIST UST facility and as an OCPCASES and HIST LUST incident. According to the UST record, the facility (ID #4352) currently houses three (3) 10,000-gallon currently in use gasohol USTs installed on August 1, 1992 and one (1) 10,000-gallon currently in use diesel UST installed on August 1, 1992. Additionally, the facility is associated with four (4) permanently out of use gasoline USTs installed on January 1, 1974, and one (1) permanently out of use 1,000-gallon heating oil UST installed on January 1, 1974.

According to the HIST UST record, the facility (ID #3001184) is associated with three (3) twenty-two (22) year old removed 10,000-gallon gasoline USTs and one (1) twenty-two (22) year old removed 10,270-gallon gasoline UST as well as three (3) four (4) year old currently in use 10,000-gallon gasoline USTs and one (1) four (4) year old currently in use 10,000-gallon diesel UST.

According to the OCPCASES record (Registration #4352), the facility is associated with four (4) OCPCASES listings. The first case (Facility ID #04-1839AA2) was opened on May 10, 2004 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on September 17, 2007. The second case (Facility ID #04-1884AA2) was opened on May 13, 2004 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on September 17, 2007. The third case (Facility ID #05-0699AA) was opened on December 6, 2004 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on April 4, 2005. The fourth case (Facility ID #92-2091AA2) was opened on March 31, 1992 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on July 9, 1999.

According to the HIST LUST incident record (Case #92-2091AA), the facility is associated with an automatic — twenty-four (24) hour remediation system on-site. The case status is open. The EDR Report does not provide any further information. D3G submitted a FOIA request with the Maryland Department of the Environment (MDE) to obtain records regarding the adjacent UST HIST UST facility and OCPCASES and HIST LUST incidents.

D3G reviewed a Subsurface Investigation Report produced by Quality Environmental Solutions, Inc. (QES) dated March 18, 2004. The report was produced to observe, document and collect split samples during a subsurface investigation for a potential purchaser of the property. According to the history of the site, hydrocarbon impacted soil was discovered during a UST

upgrade in July of 1992. Eight (8) monitoring wells were installed with three (3) deep wells (MW-9, MW-10, and MW-11) installed in October of 1993. Notice of Compliance was issued by the MDE Oil Control Program on March 3, 1999 for Case #92-2091 AA2 (related to the HIST LUST incident discussed further above), and the monitoring wells were abandoned on October 12, 1999.

The subsurface investigation was completed using direct-push technology. Continuous soil samples were collected during completion of the four (4) soil borings. The soil samples were field analyzed with a photoionization detector (PID) every four (4) feet. Four (4) soil samples were collected for laboratory analysis of total petroleum hydrocarbons - gasoline range organics (TPH-GRO) based on the PID readings. One (1) sample was also collected for analysis of diesel range organics (TPH-DRO). Three (3) groundwater samples were collected for laboratory analysis of benzene, toluene, ethyl benzene and xylenes (BTEX), methyl tert-butyl ether (MTBE), t-Buytl alcohol (TBA) and TPH-GRO. One (1) groundwater sample was also collected for TPH-DRO analysis. According to the analytical results, no exceedances were found for TPH-GRO or TPH-DRO within soil. However, exceedances were found within the following groundwater samples:

- GP-1 for Benzene, MTBE, and TPH-GRO
- GP-2 for Ethyl Benzene, Xylenes, and MTBE

It should be noted that the groundwater sample taken closest to the subject property (GP-3) did not indicate any elevated levels of contamination. Based on the results of the investigation, QES recommended submittal to the MDE for a Site Status Letter but indicated that additional subsurface investigation did not appear to be warranted. D3G additionally reviewed a Supervisor Closure Review produced by MDE dated September 17, 2007 which indicates that the site is on public water. MDE confirmed that residual petroleum contamination may remain on-site but closed the release as the contamination poses no threat to human health or the environment - therefore Releases #04-1839AA2 and #04-1884AA2 were granted regulatory closure. D3G additionally reviewed the most recent provided MDE UST System Compliance Inspection Report dated March 15, 2021 which indicates that all currently in use tanks passed the inspection report and compliance review, indicating that all tanks are operating within current MDE regulatory standards. Therefore, based on the lack of contamination closest to the subject property, the facility indicating an automatic 24-hour remediation system, current regulatory status of closure for all four (4) releases by the MDE and the fact that all tanks were deemed in compliance with the most recent compliance inspection report, and lapse of time since the release and natural attenuation of any residual contamination, the adjacent facility is not suspected to present an environmental concern to the subject property. The facility is discussed further in Section 5.6.

A copy of the supporting documentation is included in Appendix P.

Quiet Waters Exxon / Exxon Station #2-7235, located approximately 0.04 miles to the southwest presumed hydrogeologically up-gradient from the subject property at 1000 Forest Drive, is identified in the EDR Report as a UST and HIST UST facility and as an OCPCASES and HIST LUST incident.

According to the UST record, the facility (ID #3571) currently houses two (2) 12,000-gallon currently in use gasohol USTs and one (1) 12,000-gallon currently in use diesel UST installed on December 1, 1992. Additionally, the facility is associated with one (1) 1,000-gallon permanently out of use used oil, one (1) 6,000-gallon permanently out of use gasoline, and two (2) 8,000-gallon permanently out of use gasoline USTs installed on January 1, 1972 and two (2) permanently out of use gasoline heating oil USs installed on January 1, 1982.

According to the HIST UST record, the facility (ID #3000847) is associated with one (1) twenty-four (24) year old removed 6,000-gallon gasoline UST, two (2) twenty-four (24) year old

removed 8,000-gallon gasoline USTs, one (1) fifteen (15) year old removed 1,000-gallon used oil UST, one (1) fourteen (14) year old removed 1,000-gallon heating oil UST, two (2) three (3) year old currently in use 12,000-gallon gasoline USTs, and one (1) currently in use 12,000-gallon gasoline UST.

According to the OCPCASES record (Registration #3571), the facility is associated with seven (7) OCPCASES listings. The first case (Facility ID #8-0745AA2) was opened November 3, 1987 and does not specify any associated activity or substance. The case was closed on June 25, 1991. The second case (Facility ID #5-5113AA) was opened April 11, 1989 and does not specify any associated activity or substance. The case was closed on February 26, 1990. The third case (Facility ID #92-1414AA2) was opened on December 31, 1991 and details a release of motor/lube oil resulting from tank closure. Cleanup related to the release took place and the case was closed on October 6, 1999. The fourth case (Facility ID #03-1423AA2) was opened on March 18, 2003 and does not specify any associated activity or substance. Cleanup related to the release took place and the case was closed on July 16, 2004. The fifth case (Facility ID #11-0065AA) was opened on August 2, 2010 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on November 12, 2020. The sixth case (Facility ID #18-0692AA) was opened June 13, 2018 and details a tank test failure associated with motor/lube oil. The case was closed on February 7, 2022. The seventh case (Facility ID #22-0447AA) was opened March 21, 2022 and details a tank test failure associated with motor/lube oil. Cleanup related to the release took place and the case was closed on June 13, 2023.

According to the HIST LUST incident record (Case #92-1414AA), the facility is associated with an automatic — twenty-four (24) hour remediation system on-site. The case status is open. The EDR Report does not provide any further information. D3G submitted a FOIA request with the Maryland Department of the Environment (MDE) to obtain records regarding the adjacent UST HIST UST facility and OCPCASES and HIST LUST incidents.

D3G was not provided any documentation related to Release #'s 8-0745AA2, 5-5113AA, and 92-1414AA2. However, based on the lapse of time since the releases and indication that the releases were closed and cleanup occurred (or that the release did not specify any associated activity or substance release), the aforementioned releases are not suspected to present an environmental concern to the subject property.

D3G was provided a Supervisor Closure Review checklist dated April 4, 2005 in relation to Release #03-1423AA2 which indicated a customer had complained that one of the gas pumps was not shutting off. An MDE inspector arrived at the site and observed a large stain running down the hill of the dispenser, but noted that the gasoline did not reach the storm drain. In addition, the inspector observed several customers filling their vehicles and the automatic shut-off function of the nozzle was working properly. The incident was then granted regulatory closure.

D3G was additionally provided a Phase II ESA produced by Camp Dresser & McKee Inc. (CDM) dated October 23, 2009 for review which was performed to evaluate RECs determined in a previous Phase I ESA. CDM, on behalf of ExxonMobil, initiated field activities which included the installation of soil borings and monitoring wells for the purpose of collecting soil and groundwater samples on July 10, 2009. The scope of work includes the following activities:

- Advance five (5) soil borings and install five (5) monitoring wells (MW-1 through MW-5). Soil analysis via EPA 8260C with MTBE and EPA 8015 (TPH-GRO), and groundwater analysis via EPA 8260C with MTBE and EPD 8015 (TPH-GRO)
- Advance one (1) soil boring and installed one (1) monitoring well (MW-6). Soil analysis via EPA 8260C with MTBE and EPA 8015 (TPH-GRO, TPH-DRO, Toxicity Characteristic Leaching Procedure (TCLP) metals, and RCRA 8 Metals) and groundwater analysis via EPA 8260C with MTBE and EPD 8015 (TPH-GRO, ORO and DRO; and RCRA 8 Metals)

- Conduct additional paper search and ground penetrating radar (GPR) survey of the site to determine location of former UST system, and evaluate if additional assessment is required.

REC-1: USTs, dispensers, and product piping
Soil borings MW-1, MW-2, MW-3, MW-4, and MW-5 were advanced at the property and completed as monitoring wells to assess the USTs, product piping, and dispensers. The results indicate the presence of VOCs, GRO, and DRO in soil and groundwater and metals and SVOCs in soil. A positive tone on oil/water interface probe was noted during the initial gauging event at MW-4 and MW-5. However, upon visual inspection of water recovered from the MW to confirm the presence/absence of LPH, no indication of LPH was observed or recorded. Retesting of the wells did not detect any evidence of floating product. Therefore, the initial probe was considered a false positive.

REC-2: Automated Carwash
Soil boring MW-6 was advanced at the property and completed as a monitoring well to assess the carwash on the southern portion of the property. The results indicate the presence of metals and VOCs in soil and VOCs and DRO in groundwater. No free-phase petroleum hydrocarbons were observed or detected during boring/well installation activities.

REC-3: Former UST system
A full site GPR/PUL survey was completed at the site prior to subsurface activities, in an effort to determine the location of possible USTs with unknown locations. The only anomalies identified by the GPR were subsurface electrical utilities.

REC-4: Groundwater impact on NE and SE boundaries
Refer to REC-1 results.

Therefore, based on the findings of the investigation, sample analytical results indicated concentrations of analytes were detected above applicable standard. A Phase II ESA review letter produced by MDE dated November 6, 2011 indicated that the MDE selected this site for further investigation based on the levels of petroleum contamination. A Work Plan was approved by the MDE that proposed conducting a membrane interface probe (MIP) investigation to determine the vertical and horizontal extent of petroleum impacts. Various quarterly groundwater monitoring reports were provided to D3G for review, the most recent of which is discussed further below.

D3G additionally reviewed a Site Investigation report produced by Kleinfelder, Inc. (Kleinfelder) dated August 26, 2011. Groundwater flow direction in the shallow zone was determined to flow to the east/northeast. According to analytical data reviewed, the highest concentration of hydrocarbons were detected in the soil borings located near the former dispenser and tankfield along the eastern portion of the site. According to the plume data contained within the report, contamination extended slightly off-site to the east/northeast but was mostly localized to the property.

D3G was provided a Soil Excavation and System Installation Report produced by Kleinfelder, Inc. dated July 31, 2015. The remedial excavation of the former dispenser area and the installation of the Soil Vapor Extraction and Air Sponge (SVE/AS) remediation system was completed in accordance with the Corrective Action Plan Addendum (CAPA) dated March 4, 2013. The SVE/AS system was designed and installed to address dissolved phase, adsorbed phase, and vapor phase petroleum compounds detected in the unsaturated and saturated zones of the subsurface. Approximately 276 tons of soil were removed from the former dispenser area. and the excavation was backfilled to four (4) feet below grade with clean fill. The analytical results of the post-excavation soil samples confirm that VOCs, with the exception of benzene in one of the samples, TPH-GRO in five of the samples, and TPH-DRO in one of the samples were not detected above their corresponding MDE non-residential standards. Air sparge wells SP-2 through SP-7 and vapor extraction wells VE-2 through VE-7 were installed.

D3G reviewed the final Third Quarter 2019 Remedial Action Progress Report produced by Kleinfelder dated October 25, 2019. The report was the last of nearly eight years of groundwater sampling and remediation analysis via the SVE/AS system to extract vapor phase hydrocarbons from the unsaturated zone and the recovered vapors are treated by a catalytic oxidizer prior to discharge. In addition, ambient air was injected into the saturated zone to volatilize dissolved phase hydrocarbons. The SVE system was started on October 28, 2015 and the AS system was started on May 3, 2016. During the period of October 28, 2015 to April 18, 2018 approximately 7,354 pounds of vapor phase hydrocarbons were recovered and treated. Per discussion with the MDE on April 18, 2018, the remediation systems remained offline to begin a six-month trial post-remediation monitoring period. The remediation endpoint of the SVE system is establishment of asymptotic vapor phase hydrocarbon recovery rates. Following initiation of air sparge operations at the site, concentrations of TPH increased from pre-sparge concentrations, indicating the volatilization and recovery of saturated zone hydrocarbons. Since the maximum TPH concentration was observed in June 2016, influent SVE concentrations have decreased over time (at a rate of 0.37 pounds per day in 2018).

The dissolved phase hydrocarbon endpoint is the demonstration of stable to decreasing hydrocarbon concentrations. dissolved phase benzene concentrations in MW-3, MW-8, and MW-9 have decreased by 96%, 76%, and 99%, respectively. Based on the results of the remediation and sampling over time, Kleinfelder submitted the First Quarter 2019 Remedial Action Progress Report and Request for Case Closure report, which included an evaluation of current subsurface conditions, achievement of the CAP endpoints and the seven risk factors following one year of post remediation groundwater monitoring. The results of the assessment indicated that further assessment, monitoring, or remediation at the site was not warranted and recommended closure. Requests for closure were based on the following conclusions:

- A remedial excavation of the former dispenser area was completed to depths of approximately 10-12 feet below grade, with approximately 276 tons of soil excavated in 2015.
- The SVE/AS systems operated from October 2015 to April 2018, and approximately 7,354 pounds of vapor phase hydrocarbons were recovered and treated.
- Liquid phase hydrocarbon was not detected during monitoring well gauging events since January 16, 2011.
- Dissolved phase benzene concentrations in monitoring wells within the shallow water-bearing zone have decreased from concentrations detected prior to system start up. The plume is considered to be decreasing and rebound analysis indicates little to no rebound in these monitoring wells. Benzene was not detected in the remaining shallow MWs since July 2011.
- Within the deep water-bearing zone, VOCs and decreasing concentrations of MTBE have been detected in MW-2 at concentrations consistent with those detected at the time of the closure of Case No. #92-1414-AA2 in 1999. COCs were not detected in other MWs installed within the deep water bearing zone during more recent sampling events.

It should be noted that D3G was not provided a Supervisor Closure Review for this release; however, the release is indicated as being closed out on February 7, 2022 in the EDR Report which indicates regulatory closure of the release following remediation. D3G submitted an additional FOIA request to the MDE to obtain the closure documentation; however, as of the date of this report, a response has not yet been received.

D3G reviewed a Supervisor Closure Review for Release #18-0692-AA which indicated that a tank test failure had occurred, but that during subsequent compliance testing a new liquid sensor was installed and the tank was changed to "pass" status. The incident was closed out on February 7, 2022. An additional Supervisor Closure Review for Release #22-0447-AA indicated the final release was associated with the same instance of a tank failure that was repaired, retested, and changed to "pass" status. The incident was closed out on June 13, 2023.

Therefore, based on the remedial efforts at the vicinity site for nearly ten (10) years, confirmation sampling of contamination levels and the plume decreasing, fact that the plume

was not indicated to have migrated onto the subject property, and current regulatory status, the vicinity facility is not suspected to present an environmental concern to the subject property. The facility is discussed further in Section 5.6.

A copy of the supporting documentation is included in Appendix Q.

The remaining state-regulated facilities are not located on-site or adjacent and are not of environmental concern to the subject property. The closest remaining record is located approximately 0.11 miles to the northwest and presumed hydrogeologically cross-gradient from the subject property. Based on the listed distances, presumed hydrogeologic relationships and/or current regulatory statuses, the remaining state-regulated facilities are not suspected to have negatively impacted the environmental integrity of the subject property.

Please note that D3G additionally performed a Tier 1 Vapor Encroachment Screen (VES) in compliance with ASTM E 2600-22 "ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" as amended, which is discussed in further detail in Section 5.6 and supported by the Non-Invasive Tier 1 VES located in Appendix E. Regulatory database listings that require further evaluation are discussed as necessary.

5.1.2 Federal Regulatory Records

DATABASE	SEARCH DISTANCE
EPA NATIONAL PRIORITIES LISTING (NPL - SUPERFUND)	1.00 Mile
EPA NATIONAL PRIORITIES LISTING (NPL - DELISTED SITES)	0.50 Mile
EPA SUPERFUND ENTERPRISE MANAGEMENT SYSTEM (SEMS)	0.50 Mile
EPA SEMS ARCHIVED SITES (SEMS-ARCHIVE)	0.50 Mile
EPA RESOURCE CONSERVATION AND RECOVERY ACT (RCRA)	0.25 Mile
EPA RCRA TREATMENT, STORAGE, AND DISPOSAL (TSD)	0.50 Mile
FEDERAL INSTITUTIONAL/ENGINEERING CONTROLS (IC/EC)	0.125 Mile
EPA EMERGENCY RESPONSE NOTIFICATION-SITES (ERNS)	0.15 Mile
EPA RCRA CORRECTIVE ACTION REPORT (CORRACTS)	1.00 Mile

SOURCE - Environmental Protection Agency records accessed by Environmental Data Resources (EDR)

An ERNS incident occurred at an unnamed facility located adjacent to the southwest and presumed hydrogeologically up-gradient from the subject property at 2232 Bayridge Road. According to the record (NRC Report #112399, Site ID#92112399), an incident was reported on March 31, 1992 wherein the caller stated that gasoline was coming up through the ground. The listing indicates that the incident was related to an AST which leaked an unknown quantity of gasoline into the soil and groundwater. According to the listing, a crew was dispatched to the scene and the incident was "Fixed". Based on the lapse of time since the release and current regulatory status, the adjacent facility is not suspected to present an environmental concern to the subject property. The facility is discussed further in Section 5.6.

The remaining federally-regulated facility is not located on-site or adjacent and are not of environmental concern to the subject property. The remaining record is located approximately 0.13 miles to the southeast and presumed hydrogeologically up-gradient from the subject property. Based on the listed distances, presumed hydrogeologic relationships and/or current regulatory statuses, the remaining federally-regulated facilities are not suspected to have negatively impacted the environmental integrity of the subject property.

Please note that D3G additionally performed a Tier 1 Vapor Encroachment Screen (VES) in compliance with ASTM E 2600-22 "ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" as amended, which is discussed in further detail in Section 5.6 and supported by the Non-Invasive Tier 1 VES located in Appendix E. Regulatory database listings that require further evaluation are discussed as necessary.

5.1.3 Non-Geocoded Sites

In addition, two (2) non-geocoded sites were listed in the EDR Report. After reviewing the two (2) non-geocoded sites, it was determined that they are not located on-site or adjacent from the subject property and are, therefore, not suspected to present environmental concerns to the subject property.

5.2 Additional Environmental Record Sources

Twelve (12) additional environmental records were identified in the EDR Report.

Crown Central Petroleum Corp (currently Shell Gas Station), located adjacent to the southwest and presumed hydrogeologically up-gradient from the subject property at 2232 Bay Ridge Avenue, is identified as an EDR HIST AUTO facility in the EDR Report. An EDR HIST AUTO facility listing is a proprietary EDR listing associated with a review of business/city directories, that has been highlighted due to their potential to negatively impact the environment. According to the EDR HIST AUTO listing, the adjacent facility operated as gasoline service station under the name Jackson Bay Ridge Crown from 1989 to 1997, a petroleum refining under the name Crown Central Petroleum Corp in 2000, and as a convenience store under the name Fast Fare Inc from 2001 to 2014. The EDR Report does not provide any further information. The facility is discussed previously in Sections 5.1.1 and 5.1.2 and further in Section 5.6. Recommendations are listed in Section 11.0 of this report. It should be noted that this is the same location as Jackson Bay Ridge Crown, discussed below.

Jackson Bay Ridge Crown (currently Shell Gas Station), located adjacent to the southwest and presumed hydrogeologically up-gradient from the subject property at 900 Forest Avenue, is identified as an EDR HIST AUTO facility in the EDR Report. An EDR HIST AUTO facility listing is a proprietary EDR listing associated with a review of business/city directories, that has been highlighted due to their potential to negatively impact the environment. According to the EDR HIST AUTO listing, the adjacent facility operated as gasoline service station from 1986 to 1988. The EDR Report does not provide any further information. The facility is discussed previously in Sections 5.1.1 and 5.1.2 and further in Section 5.6. Recommendations are listed in Section 11.0 of this report. It should be noted that this is the same location as Crown Central Petroleum Corp, discussed above.

Texaco (currently Shell Gas Station), located adjacent to the southwest and presumed hydrogeologically up-gradient from the subject property at 2232 Bay Ridge Road, is identified as a RCRA-NonGen facility, which is a facility that does not presently generate waste. In addition, no violations are listed in the EDR Report. Based on the current regulatory status and presumed hydrogeological relationships, D3G has determined that the regulatory file for the adjacent RCRA facility is not warranted per ASTM E 1527-21; therefore, the adjacent RCRA facility is not suspected to present environmental concerns to the subject property.

Admiral Inc / Admiral Cleaners - Bay Ridge Road (currently Bay Ridge Market Place Shopping Center), located adjacent to the south and presumed hydrogeologically up-gradient from the subject property at 891 Bay Ridge Road, is identified as an EDR HIST CLEANER and DRYCLEANERS facility in the EDR Report. An EDR HIST CLEANER facility listing is a proprietary EDR listing associated with a review of business/city directories, that has been highlighted due to their potential to negatively impact the environment. According to the EDR HIST CLEANER listing, the facility operated as a drycleaning plant, except rugs from 1999 until 2014.

According to the DRYCLEANERS listing, the facility (ID #003-0473) status and decode are both inactive. The EDR Report does not provide any further information. Based on the years of operation, which were under state and federal regulation, the adjacent facility is not suspected to present environmental concerns to the subject property.

Admiral (Cleaners) Inc #20 (currently Bay Ridge Market Place Shopping Center), located adjacent to the south and presumed hydrogeologically up-gradient from the subject property at 891 Bay Ridge Road, is identified as a RCRA-NonGen facility, which is a facility that does not presently generate waste. In addition, no violations are listed in the EDR Report. Based on the current regulatory status and presumed hydrogeological relationships, D3G has determined that the regulatory file for the adjacent RCRA facility is not warranted per ASTM E 1527-21; therefore, the adjacent RCRA facility is not suspected to present environmental concerns to the subject property.

Eastport Exxon, located approximately 0.04 miles to the southwest presumed hydrogeologically up-gradient from the subject property at 1000 Forest Drive, is identified as an EDR HIST AUTO facility in the EDR Report. An EDR HIST AUTO facility listing is a proprietary EDR listing associated with a review of business/city directories, that has been highlighted due to their potential to negatively impact the environment. According to the EDR HIST AUTO listing, the vicinity facility operated as a gasoline service station under the name Eastport Exxon from 1978 to 1993, under the name Quiet Waters Exxon from 1994 to 2008, and under the name Quiet Waters Inc. in 2009. The EDR Report does not provide any further information. The facility is discussed previously in Section 5.1.1 and and further in Section 5.6. Recommendations are listed in Section 11.0 of this report.

The remaining additional environmental records were not located on-site or adjacent and are not of environmental concern to the subject property. Based on the listed distances, presumed hydrogeological relationships, and/or current regulatory statuses, the vicinity additional environmental records are not suspected to present environmental concerns to the subject property.

5.3 Physical Setting Sources

5.3.1 Topography and Regional Surface Water

TOPOGRAPHY AND REGIONAL SURFACE WATER	
ELEVATION (feet above mean sea level)	Approximately 730 - 750
SLOPE	Northeast
APPROXIMATE GROUNDWATER FLOW	Northeast
REGIONAL SURFACE WATER	An intermittent tributary of Back Creek is located approximately 0.15 miles to the north of the subject property and flows northeast into the Chesapeake Bay. An intermittent tributary of Lake Ogleton is located approximately 0.66 miles to the southeast of the subject property and flows northeast into Lake Ogleton, which connects to Chesapeake Bay. Harness Creek is located approximately 0.53 miles to the southwest of the subject property and flows southwest into the South River.

SOURCE - USGS Topographic Quadrangle - Annapolis, Maryland 2023

Located in Appendix A is a topographic map depicting subject property elevations and drainage patterns. Depth to groundwater fluctuates depending on hydrological and weather conditions.

On-site drainage at the subject property is suspected to consist of flow along the asphalt parking areas to strategically located storm drains and surface percolation in the unpaved areas.

5.3.2 Soil Characteristics

According to the Natural Resources Conservation Service (NRCS) Web Soil Survey, accessed at http://websoilsurvey.nrcs.usda.gov/app/WebSoilSurvey.aspx, the subject property consists of two (2) soil types: Annapolis-Urban land complex, 0 to 5 percent slopes (AuB) and Annapolis-Urban land complex, 5 to 15 percent slopes (AuD). Annapolis-Urban land complex, 0 to 5 percent slopes and Annapolis-Urban land complex, 5 to 15 percent slopes do not meet hydric criteria. Urban land consists of nearly level to moderately sloping areas where more than 85 percent of the surface is covered by asphalt, concrete, buildings, or other impervious surfaces. Further detail about the soil types is included in Appendix A.

5.4 Historical Use Information on the Subject Property

5.4.1 Review of Aerial Photographs

D3G reviewed aerial photographs from 1943, 1952, 1960, 1977, 1982, 1989, 1994, 2007, 2011, 2015, 2018, 2023, and 2025. According to the reviewed information, the subject property was originally depicted as undeveloped wooded land, prior to conversion to the existing land use as multi-family residential and a single-family residential structure. No environmental concerns were identified on the subject property based upon a review of the aerial photography.

A copy of the aerial photography is included in Appendix D of this report.

5.4.2 Fire Insurance Maps

Sanborn Maps generally cover areas of urban and industrial development from the 1800s to the 1990s. According to the Certified Sanborn Map Report prepared by EDR, the subject property and surrounding properties are not included in Sanborn Map coverage. A copy of the Certified Sanborn Map Report is included in Appendix D.

5.4.3 Local Street Directories

D3G reviewed historical local street directories from 1930 to 2017. According to the reviewed information, Bens Drive, which is the street which runs exclusively throughout the apartment complex, is first listed in 1976 when the complex was listed as the Annapolis Woods Apartments. In addition, the vacant single-family residential structure located on-site at 2145 Bay Ridge Avenue is first listed as being owned by Mr. Wilbert D. Forrester in 1995. No environmental concerns were identified at the subject property based upon a review of the historical city directories. A copy of the EDR-City Directory Abstract is provided in Appendix D.

5.4.4 Historical Topographic Maps

Based on the reviewed historical information outlined in Sections 5.4.1 and 5.4.2, the EP has determined that a review of historical topographic maps will not provide any additional insight into the historic usage of the subject property. Therefore, a historical topographic maps records review was not conducted.

5.4.5 Other Historical Sources

No additional historical sources were reasonably ascertainable.

5.4.6 Summary of Subject Property History

According to the reviewed subject property historical information, the subject property consisted of undeveloped wooded land from at least 1943 until construction of the single-family residential structure circa 1960. The subject property remained unchanged until the development of the multi-family residential complex circa 1976. Finally, the on-site rental office was constructed circa 1994.

5.5 Historical Use Information on Adjoining Properties

5.5.1 Review of Aerial Photographs

D3G reviewed aerial photographs from 1943, 1952, 1960, 1977, 1982, 1989, 1994, 2007, 2011, 2015, 2018, 2023, and 2025. According to the reviewed information, the adjacent properties have consisted of undeveloped and/or wooded land, residential properties, and/or light commercial properties. No environmental concerns were identified on the adjacent properties based upon a review of the aerial photography.

A copy of the aerial photography is included in Appendix D of this report.

5.5.2 Fire Insurance Maps

Sanborn Maps generally cover areas of urban and industrial development from the 1800s to the 1990s. According to the Certified Sanborn Map Report prepared by EDR, the subject property and surrounding properties are not included in Sanborn Map coverage. A copy of the Certified Sanborn Map Report is included in Appendix D.

5.5.3 Local Street Directories

D3G reviewed historical local street directories from 1930 to 2017. According to the reviewed information, the adjoining property addresses were listed as various residential properties and light commercial properties. No environmental concerns were identified at the adjoining properties based upon a review of the historical city directories, except for the following:

Several gas stations have been listed at 2232 Bay Ridge Avenue, which represents a southwestern adjacent presumed hydrogeologically up-gradient properties from 1995 until 2022. These include Jacksons Bay Ridge Crown in 1995, Bay Bridge Texaco in 2010, and variations of Shell from 2014 until 2022. The facilities are discussed previously in Sections 5.1.1, 5.1.2, and 5.2 and further in Section 5.6. Recommendations are listed in Section 11.0 of this report.

Several variations of Exxon have been listed at 1000 Forest Drive, located approximately 0.04 miles to the southwest presumed hydrogeologically up-gradient from the subject property, from 1986 until 2022. The facilities are discussed previously in Sections 5.1.1, 5.1.2, and 5.2 and further in Section 5.6. Recommendations are listed in Section 11.0 of this report.

Several variations of Admiral Cleaners have been listed at 891 Bay Ridge Road, located adjacent to the south and presumed hydrogeologically up-gradient from the subject property, from 1986 until 2022. Based on the years of operation, which were under state and federal regulation, the adjacent facility is not suspected to present environmental concerns to the subject property. The facilities are discussed previously in Section 5.2.

A copy of the EDR-City Directory Abstract is provided in Appendix D.

5.5.4 Historical Topographic Maps

Based on the reviewed historical information outlined in Sections 5.5.1 and 5.5.2, the EP has determined that a review of historical topographic maps will not provide any additional insight into the historic usage of the adjoining properties. Therefore, a historical topographic maps records review was not conducted.

5.5.5 Other Historical Sources

No additional historical sources were reasonably ascertainable.

5.6 Tier 1 Vapor Encroachment Screening

D3G performed a Tier 1 Vapor Encroachment Screen (VES) in compliance with ASTM E 2600-22 "ASTM Standard Guide for Vapor Encroachment Screening on Property Involved in Real Estate Transactions" as amended. The purpose of the Tier 1 VES is to conduct an initial screen to determine if a Vapor Encroachment Condition (VEC) exists in connection with the subject property. A VEC is defined as the presence or likely presence of chemical(s) of concern (COC) vapors in the subsurface (vadose zone) of the subject property caused by the release of vapors from contaminated soil and/or groundwater either on or near the subject property, as identified by Tier I and/or Tier II procedures.

The VES process is a two (2)-tiered screening process. The Tier 1 VES is based upon information typically collected during an ASTM Standard E 1527 Phase I ESA and is typically focused on known or suspected contaminated properties that may exist within the area of concern (AOC). D3G reviewed standard environmental record sources including, but not limited to, local, state, tribal and/or federal (LSTF) government records, as reported in the regulatory database report; chemical use and historical records of prior uses on the subject property and within proximity of the subject property; soil characteristics; geological characteristics; contaminant characteristics and plume migration data (if this data is readily available); significant conduits that that might provide preferential pathways for vapor migration; and groundwater depth and groundwater flow data to identify known or suspected sources of contamination within the AOC.

According to ASTM E 2600-22, the AOC is defined by the approximate minimum search distance which is based upon the chemical of concern (i.e. petroleum hydrocarbons vs. non-petroleum hydrocarbons) and the location of a known or suspected source of contamination with respect to the subject property. The Tier 1 screening includes: (1) a search distance test to determine whether there are any known or suspect contaminated properties within the AOC; and (2) COC Test to determine for those known or suspect contaminated properties within the AOC whether COCs are likely to be present in order to evaluate the likelihood that a VEC exists at the subject property. If information related to the boundaries of a contaminant plume from known contaminated properties is available, a critical distance test may be conducted. The critical distance is defined as the lineal distance between the nearest edge of the contaminant plume and the nearest subject property boundary. The critical distance is equal to one hundred (100) feet for COC or thirty (30) feet for dissolved petroleum hydrocarbon COCs. The critical distance for petroleum hydrocarbon COCs as light non-aqueous phase liquid (LNAPL), such as gasoline product(s), is one hundred (100) feet. If groundwater flow direction can be estimated, the AOC in the down-gradient direction may be reduced to the area within the critical distance during the Tier 1 screening. Additionally, the cross-gradient direction may be reduced to the critical distance plus one half of a reasonable estimation of the contaminated plume width or three hundred sixty-five (365) feet. It is not necessary to obtain information regarding the contaminant plume dimensions for down-gradient and cross-gradient contaminated properties, as the critical distance is measured from the nearest subject property boundary directly to the source on the off-site

down-gradient property that is the origin of the contamination (with the contamination migrating away from the subject property).

For a contaminated property located up-gradient of the subject property, the critical distance determination requires knowledge of the length and depth of the groundwater contaminant plume. Such information is required to determine the lineal distance from the groundwater contaminant plume edge to the nearest existing or planned structure on the subject property, or the nearest subject property boundary if there are no existing or planned structures on the subject property. Data related to contaminant plume characteristics and dimensions associated with off-site contaminated properties is not typically available during the Tier 1 screening process and is typically obtained during the Tier 2 screening process. If it is not possible to conservatively estimate contaminant plume dimensions, then the AOC cannot be reduced in up-gradient directions during the Tier 1 screening process. Data regarding site-specific soil characteristics may also be used to adjust the AOC. Low permeability cohesive soils, such as soils high in clay and/or silt percentage content, generally tends to restrict soil gas movement, as may soil with high moisture content. Conversely, high porosity in soil tends to enhance soil gas movement. If known, this data may be utilized as a basis to either expand or reduce the AOC by the environmental professional.

The conclusions from the Tier 1 screening is: (1) a VEC exists or (2) a VEC does not exist. If a VEC does not exist, then the VES process is considered complete in accordance with the guidelines set forth under ASTM Standard E 2600-22. If a VEC exists at the subject property, the environmental professional should determine if the VEC represents a Recognized Environmental Condition (REC). If the VEC represents a REC, then further action or investigation may be recommended, including but not limited to a Tier 2 (invasive and/or non-invasive) screening and/or mitigation. If a VEC exists as determined by the Tier 1 screening process, then a more refined Tier 2 VES (non-invasive) may be completed in order to further evaluate the VEC. Tier 2 (non-invasive) focuses on characteristics of the contaminant plume associated with contaminated properties and the proximity of said contaminant plume to the subject property. This data is not typically available during the Tier 1 screening process and is typically obtained from state regulatory files and may also be obtained from other available documents and/or may be collected via sampling. Tier 2 (invasive) applies numeric screening criteria to existing or newly collected soil, soil gas, and/or groundwater testing results to further evaluate and/or validate the potential VEC.

5.6.1 Subject Property VEC Evaluation

Based on a review of the EDR Report, the subject property is not identified in the State Records Search or in the Federal Records Search. In addition, according to a review of subject property historical use information that is reasonably ascertainable, there are no known or suspect potentially contaminated sources having chemicals of concern (petroleum hydrocarbons or non-petroleum hydrocarbons) associated with the subject property. Therefore, a Vapor Encroachment Condition (VEC) does not exist at the subject property.

5.6.2 Contaminated Properties within the Area of Concern

The following is a discussion of properties that are within the area of concern:

Crown Ser. Station #MD-37 / Crown MD-037 / Shell Station - PMG 5038 - Shell Station - PMG 5038 / Crown (currently Shell Gas Station), located adjacent to the southwest presumed hydrogeologically up-gradient from the subject property at 2232 Bay Ridge Avenue, is identified in the EDR Report as a UST and HIST UST facility and as an OCPCASES and HIST LUST incident. According to the UST record, the facility (ID #4352) currently houses three (3) 10,000-gallon currently in use gasohol USTs installed on August 1, 1992 and one (1) 10,000-gallon currently in use diesel UST installed on August 1, 1992. Additionally, the facility is associated with

four (4) permanently out of use gasoline USTs installed on January 1, 1974, and one (1) permanently out of use 1,000-gallon heating oil UST installed on January 1, 1974.

According to the HIST UST record, the facility (ID #3001184) is associated with three (3) twenty-two (22) year old removed 10,000-gallon gasoline USTs and one (1) twenty-two (22) year old removed 10,270-gallon gasoline UST as well as three (3) four (4) year old currently in use 10,000-gallon gasoline USTs and one (1) four (4) year old currently in use 10,000-gallon diesel UST.

According to the OCPCASES record (Registration #4352), the facility is associated with four (4) OCPCASES listings. The first case (Facility ID #04-1839AA2) was opened on May 10, 2004 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on September 17, 2007. The second case (Facility ID #04-1884AA2) was opened on May 13, 2004 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on September 17, 2007. The third case (Facility ID #05-0699AA) was opened on December 6, 2004 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on April 4, 2005. The fourth case (Facility ID #92-2091AA2) was opened on March 31, 1992 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on July 9, 1999.

According to the HIST LUST incident record (Case #92-2091AA), the facility is associated with an automatic — twenty-four (24) hour remediation system on-site. The case status is open. The EDR Report does not provide any further information. D3G submitted a FOIA request with the Maryland Department of the Environment (MDE) to obtain records regarding the adjacent UST HIST UST facility and OCPCASES and HIST LUST incidents.

D3G reviewed a Subsurface Investigation Report produced by Quality Environmental Solutions, Inc. (QES) dated March 18, 2004. The report was produced to observe, document and collect split samples during a subsurface investigation for a potential purchaser of the property. According to the history of the site, hydrocarbon impacted soil was discovered during a UST upgrade in July of 1992. Eight (8) monitoring wells were installed with three (3) deep wells (MW-9, MW-10, and MW-11) installed in October of 1993. Notice of Compliance was issued by the MDE Oil Control Program on March 3, 1999 for Case #92-2091 AA2 (related to the HIST LUST incident discussed further above), and the monitoring wells were abandoned on October 12, 1999.

The subsurface investigation was completed using direct-push technology. Continuous soil samples were collected during completion of the four (4) soil borings. The soil samples were field analyzed with a photoionization detector (PID) every four (4) feet. Four (4) soil samples were collected for laboratory analysis of total petroleum hydrocarbons - gasoline range organics (TPH-GRO) based on the PID readings. One (1) sample was also collected for analysis of diesel range organics (TPH-DRO). Three (3) groundwater samples were collected for laboratory analysis of benzene, toluene, ethyl benzene and xylenes (BTEX), methyl tert-butyl ether (MTBE), t-Buytl alcohol (TBA) and TPH-GRO. One (1) groundwater sample was also collected for TPH-DRO analysis. According to the analytical results, no exceedances were found for TPH-GRO or TPH-DRO within soil. However, exceedances were found within the following groundwater samples:

- GP-1 for Benzene, MTBE, and TPH-GRO
- GP-2 for Ethyl Benzene, Xylenes, and MTBE

It should be noted that the groundwater sample taken closest to the subject property (GP-3) did not indicate any elevated levels of contamination. Based on the results of the investigation, QES recommended submittal to the MDE for a Site Status Letter but indicated that additional subsurface investigation did not appear to be warranted. D3G additionally reviewed a

Supervisor Closure Review produced by MDE dated September 17, 2007 which indicates that the site is on public water. MDE confirmed that residual petroleum contamination may remain on-site but closed the release as the contamination poses no threat to human health or the environment - therefore Releases #04-1839AA2 and #04-1884AA2 were granted regulatory closure. D3G additionally reviewed the most recent provided MDE UST System Compliance Inspection Report dated March 15, 2021 which indicates that all currently in use tanks passed the inspection report and compliance review, indicating that all tanks are operating within current MDE regulatory standards. Therefore, based on the lack of contamination closest to the subject property, the facility indicating an automatic 24-hour remediation system, current regulatory status of closure for all four (4) releases by the MDE and the fact that all tanks were deemed in compliance with the most recent compliance inspection report, and lapse of time since the release and natural attenuation of any residual contamination, the adjacent facility is not suspected to present an environmental concern to the subject property. Therefore, a Vapor Encroachment Condition (VEC) does not exist at the subject property from this off-site source.

A copy of the supporting documentation is included in Appendix P.

Quiet Waters Exxon / Exxon Station #2-7235, located approximately 0.04 miles to the southwest presumed hydrogeologically up-gradient from the subject property at 1000 Forest Drive, is identified in the EDR Report as a UST and HIST UST facility and as an OCPCASES and HIST LUST incident.

According to the UST record, the facility (ID #3571) currently houses two (2) 12,000-gallon currently in use gasohol USTs and one (1) 12,000-gallon currently in use diesel UST installed on December 1, 1992. Additionally, the facility is associated with one (1) 1,000-gallon permanently out of use used oil, one (1) 6,000-gallon permanently out of use gasoline, and two (2) 8,000-gallon permanently out of use gasoline USTs installed on January 1, 1972 and two (2) permanently out of use gasoline heating oil USs installed on January 1, 1982.

According to the HIST UST record, the facility (ID #3000847) is associated with one (1) twenty-four (24) year old removed 6,000-gallon gasoline UST, two (2) twenty-four (24) year old removed 8,000-gallon gasoline USTs, one (1) fifteen (15) year old removed 1,000-gallon used oil UST, one (1) fourteen (14) year old removed 1,000-gallon heating oil UST, two (2) three (3) year old currently in use 12,000-gallon gasoline USTs, and one (1) currently in use 12,000-gallon gasoline UST.

According to the OCPCASES record (Registration #3571), the facility is associated with seven (7) OCPCASES listings. The first case (Facility ID #8-0745AA2) was opened November 3, 1987 and does not specify any associated activity or substance. The case was closed on June 25, 1991. The second case (Facility ID #5-5113AA) was opened April 11, 1989 and does not specify any associated activity or substance. The case was closed on February 26, 1990. The third case (Facility ID #92-1414AA2) was opened on December 31, 1991 and details a release of motor/lube oil resulting from tank closure. Cleanup related to the release took place and the case was closed on October 6, 1999. The fourth case (Facility ID #03-1423AA2) was opened on March 18, 2003 and does not specify any associated activity or substance. Cleanup related to the release took place and the case was closed on July 16, 2004. The fifth case (Facility ID #11-0065AA) was opened on August 2, 2010 and details a release of motor/lube oil with related groundwater contamination. Cleanup related to the release took place and the case was closed on November 12, 2020. The sixth case (Facility ID #18-0692AA) was opened June 13, 2018 and details a tank test failure associated with motor/lube oil. The case was closed on February 7, 2022. The seventh case (Facility ID #22-0447AA) was opened March 21, 2022 and details a tank test failure associated with motor/lube oil. Cleanup related to the release took place and the case was closed on June 13, 2023.

According to the HIST LUST incident record (Case #92-1414AA), the facility is associated with an automatic — twenty-four (24) hour remediation system on-site. The case status is open. The EDR

Report does not provide any further information. D3G submitted a FOIA request with the Maryland Department of the Environment (MDE) to obtain records regarding the adjacent UST HIST UST facility and OCPCASES and HIST LUST incidents.

D3G was not provided any documentation related to Release #'s 8-0745AA2, 5-5113AA, and 92-1414AA2. However, based on the lapse of time since the releases and indication that the releases were closed and cleanup occurred (or that the release did not specify any associated activity or substance release), the aforementioned releases are not suspected to present an environmental concern to the subject property.

D3G was provided a Supervisor Closure Review checklist dated April 4, 2005 in relation to Release #03-1423AA2 which indicated a customer had complained that one of the gas pumps was not shutting off. An MDE inspector arrived at the site and observed a large stain running down the hill of the dispenser, but noted that the gasoline did not reach the storm drain. In addition, the inspector observed several customers filling their vehicles and the automatic shut-off function of the nozzle was working properly. The incident was then granted regulatory closure.

D3G was additionally provided a Phase II ESA produced by Camp Dresser & McKee Inc. (CDM) dated October 23, 2009 for review which was performed to evaluate RECs determined in a previous Phase I ESA. CDM, on behalf of ExxonMobil, initiated field activities which included the installation of soil borings and monitoring wells for the purpose of collecting soil and groundwater samples on July 10, 2009. The scope of work includes the following activities:

- Advance five (5) soil borings and install five (5) monitoring wells (MW-1 through MW-5). Soil analysis via EPA 8260C with MTBE and EPA 8015 (TPH-GRO), and groundwater analysis via EPA 8260C with MTBE and EPD 8015 (TPH-GRO)
- Advance one (1) soil boring and installed one (1) monitoring well (MW-6). Soil analysis via EPA 8260C with MTBE and EPA 8015 (TPH-GRO, TPH-DRO, Toxicity Characteristic Leaching Procedure (TCLP) metals, and RCRA 8 Metals) and groundwater analysis via EPA 8260C with MTBE and EPD 8015 (TPH-GRO, ORO and DRO; and RCRA 8 Metals)
- Conduct additional paper search and ground penetrating radar (GPR) survey of the site to determine location of former UST system, and evaluate if additional assessment is required.

REC-1: USTs, dispensers, and product piping
Soil borings MW-1, MW-2, MW-3, MW-4, and MW-5 were advanced at the property and completed as monitoring wells to assess the USTs, product piping, and dispensers. The results indicate the presence of VOCs, GRO, and DRO in soil and groundwater and metals and SVOCs in soil. A positive tone on oil/water interface probe was noted during the initial gauging event at MW-4 and MW-5. However, upon visual inspection of water recovered from the MW to confirm the presence/absence of LPH, no indication of LPH was observed or recorded. Retesting of the wells did not detect any evidence of floating product. Therefore, the initial probe was considered a false positive.

REC-2: Automated Carwash
Soil boring MW-6 was advanced at the property and completed as a monitoring well to assess the carwash on the southern portion of the property. The results indicate the presence of metals and VOCs in soil and VOCs and DRO in groundwater. No free-phase petroleum hydrocarbons were observed or detected during boring/well installation activities.

REC-3: Former UST system
A full site GPR/PUL survey was completed at the site prior to subsurface activities, in an effort to determine the location of possible USTs with unknown locations. The only anomalies identified by the GPR were subsurface electrical utilities.

REC-4: Groundwater impact on NE and SE boundaries

Refer to REC-1 results.

Therefore, based on the findings of the investigation, sample analytical results indicated concentrations of analytes were detected above applicable standard. A Phase II ESA review letter produced by MDE dated November 6, 2011 indicated that the MDE selected this site for further investigation based on the levels of petroleum contamination. A Work Plan was approved by the MDE that proposed conducting a membrane interface probe (MIP) investigation to determine the vertical and horizontal extent of petroleum impacts. Various quarterly groundwater monitoring reports were provided to D3G for review, the most recent of which is discussed further below.

D3G additionally reviewed a Site Investigation report produced by Kleinfelder, Inc. (Kleinfelder) dated August 26, 2011. Groundwater flow direction in the shallow zone was determined to flow to the east/northeast. According to analytical data reviewed, the highest concentration of hydrocarbons were detected in the soil borings located near the former dispenser and tankfield along the eastern portion of the site. According to the plume data contained within the report, contamination extended slightly off-site to the east/northeast but was mostly localized to the property.

D3G was provided a Soil Excavation and System Installation Report produced by Kleinfelder, Inc. dated July 31, 2015. The remedial excavation of the former dispenser area and the installation of the Soil Vapor Extraction and Air Sponge (SVE/AS) remediation system was completed in accordance with the Corrective Action Plan Addendum (CAPA) dated March 4, 2013. The SVE/AS system was designed and installed to address dissolved phase, adsorbed phase, and vapor phase petroleum compounds detected in the unsaturated and saturated zones of the subsurface. Approximately 276 tons of soil were removed from the former dispenser area. and the excavation was backfilled to four (4) feet below grade with clean fill. The analytical results of the post-excavation soil samples confirm that VOCs, with the exception of benzene in one of the samples, TPH-GRO in five of the samples, and TPH-DRO in one of the samples were not detected above their corresponding MDE non-residential standards. Air sparge wells SP-2 through SP-7 and vapor extraction wells VE-2 through VE-7 were installed.

D3G reviewed the final Third Quarter 2019 Remedial Action Progress Report produced by Kleinfelder dated October 25, 2019. The report was the last of nearly eight years of groundwater sampling and remediation analysis via the SVE/AS system to extract vapor phase hydrocarbons from the unsaturated zone and the recovered vapors are treated by a catalytic oxidizer prior to discharge. In addition, ambient air was injected into the saturated zone to volatilize dissolved phase hydrocarbons. The SVE system was started on October 28, 2015 and the AS system was started on May 3, 2016. During the period of October 28, 2015 to April 18, 2018 approximately 7,354 pounds of vapor phase hydrocarbons were recovered and treated. Per discussion with the MDE on April 18, 2018, the remediation systems remained offline to begin a six-month trial post-remediation monitoring period. The remediation endpoint of the SVE system is establishment of asymptotic vapor phase hydrocarbon recovery rates. Following initiation of air sparge operations at the site, concentrations of TPH increased from pre-sparge concentrations, indicating the volatilization and recovery of saturated zone hydrocarbons. Since the maximum TPH concentration was observed in June 2016, influent SVE concentrations have decreased over time (at a rate of 0.37 pounds per day in 2018).

The dissolved phase hydrocarbon endpoint is the demonstration of stable to decreasing hydrocarbon concentrations. dissolved phase benzene concentrations in MW-3, MW-8, and MW-9 have decreased by 96%, 76%, and 99%, respectively. Based on the results of the remediation and sampling over time, Kleinfelder submitted the First Quarter 2019 Remedial Action Progress Report and Request for Case Closure report, which included an evaluation of current subsurface conditions, achievement of the CAP endpoints and the seven risk factors following one year of post remediation groundwater monitoring. The results of the assessment

indicated that further assessment, monitoring, or remediation at the site was not warranted and recommended closure. Requests for closure were based on the following conclusions:

- A remedial excavation of the former dispenser area was completed to depths of approximately 10-12 feet below grade, with approximately 276 tons of soil excavated in 2015.
- The SVE/AS systems operated from October 2015 to April 2018, and approximately 7,354 pounds of vapor phase hydrocarbons were recovered and treated.
- Liquid phase hydrocarbon was not detected during monitoring well gauging events since January 16, 2011.
- Dissolved phase benzene concentrations in monitoring wells within the shallow water-bearing zone have decreased from concentrations detected prior to system start up. The plume is considered to be decreasing and rebound analysis indicates little to no rebound in these monitoring wells. Benzene was not detected in the remaining shallow MWs since July 2011.
- Within the deep water-bearing zone, VOCs and decreasing concentrations of MTBE have been detected in MW-2 at concentrations consistent with those detected at the time of the closure of Case No. #92-1414-AA2 in 1999. COCs were not detected in other MWs installed within the deep water bearing zone during more recent sampling events.

It should be noted that D3G was not provided a Supervisor Closure Review for this release; however, the release is indicated as being closed out on February 7, 2022 in the EDR Report which indicates regulatory closure of the release following remediation. D3G submitted an additional FOIA request to the MDE to obtain the closure documentation; however, as of the date of this report, a response has not yet been received.

D3G reviewed a Supervisor Closure Review for Release #18-0692-AA which indicated that a tank test failure had occurred, but that during subsequent compliance testing a new liquid sensor was installed and the tank was changed to pass status. The incident was closed out on February 7, 2022. An additional Supervisor Closure Review for Release #22-0447-AA indicated the final release was associated with the same instance of a tank failure that was repaired, retested, and changed to pass status. The incident was closed out on June 13, 2023.

Therefore, based on the remedial efforts at the vicinity site for nearly ten (10) years, confirmation sampling of contamination levels and the plume decreasing, fact that the plume was not indicated to have migrated onto the subject property, and current regulatory status, the vicinity facility is not suspected to present an environmental concern to the subject property. Therefore, a VEC does not exist from this off-site source.

A copy of the supporting documentation is included in Appendix Q.

6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

D3G's site inspection consisted of visual observations along boundaries and various transects throughout the subject property. On the interior, common areas such as lobbies, hallways, utility rooms, recreation areas, maintenance and repair areas, and a representative sample of occupant spaces were observed. The adjacent properties were observed from the subject property and the boundaries of the subject property and public right-of-ways.

6.2 General Site Setting

The subject property consists of eleven (11) three-story apartment structures, and one (1) single-story laundry center constructed in circa 1976, one (1) single-story rental office constructed in circa 1994, and one (1) two-story vacant single-family home constructed in circa 1960. The subject property structures contain a total of 198 residential dwelling units and are situated on approximately 12.52 acres of land. Exterior property improvements include two (2) playgrounds, a basketball court, landscaped regions and asphalt parking areas. The subject property is serviced by electricity, natural gas, and municipally supplied water and sewer. The Sponsor is submitting this project for a HUD Mark-up-to-Market with additional funding via a Maryland Department of Housing and Community Development (DHCD) low-income housing tax credit (LIHTC) application, consisting of a HAP contract assignment and the rehabilitation of the existing multi-family apartment complex as well as the demolition of the existing vacant single-family home and new construction of a community center structure.

6.3 Exterior Observations

6.3.1 Hazardous Materials and Petroleum Products

No bulk storage of hazardous materials or petroleum products were identified at the subject property.

6.3.2 Polychlorinated Biphenyls (PCBs)

Located at exterior locations of the property are five (5) pad-mounted electrical transformers, which are owned and maintained by BGE. The on-site electrical transformers were not affixed with "Non-PCB" stickers and are therefore assumed to contain regulated levels of PCBs. However, leakage was not visually observed on or around the transformers and in their current physical condition they are not believed to present environmental concerns to the subject property.

6.3.3 Subject Property Dumped Materials/Landfills

No dumped debris was observed on-site during the subject property inspection.

6.3.4 Solid Waste Disposal

Located in designated areas of the property are nine (9) solid waste dumpsters. No staining and/or visual signs of spillage were observed in the vicinity of the dumpsters during the subject property visit.

6.3.5 Spills/Stained Soils/Stained Pavement/Stressed Vegetation

Spills, stained soil and/or pavement, and stressed vegetation were not observed on-site during the subject property inspection.

6.3.6 Storage Tanks Not Previously Listed

Located at the southwest adjacent K&B Ace Hardware is an approximately 900-gallon propane aboveground storage tank (AST). Propane is not an environmental hazard; however, it is an explosion hazard due to its extreme flammability. The AST was located within an enclosed space and was observed to be in good physical condition. Based on the observed subject property conditions, the adjacent propane AST is not suspected to present an environmental concern to the subject property. For further guidance regarding Explosive and Flammable Hazards (24 CFR Part 51 Subpart C), please see the Environmental Review included under separate cover.

Located at the western adjacent Shell is an approximately 120-gallon propane aboveground storage tank (AST). Propane is not an environmental hazard; however, it is an explosion hazard due to its extreme flammability. The AST was located on a concrete pad and was observed to be in good physical condition. Based on the observed subject property conditions, the adjacent propane AST is not suspected to present an environmental concern to the subject property. For further guidance regarding Explosive and Flammable Hazards (24 CFR Part 51 Subpart C), please see the Environmental Review included under separate cover.

6.3.7 Wells Not Previously Listed

Various observation monitoring wells were observed at the adjacent Shell and Exxon gas stations. The wells are presumed to be associated with the USTs at the gas stations, which are further discussed in Sections 5.1.1 and 5.6.

6.3.8 Hazardous Runoff

Hazardous runoff was not observed on-site during the subject property inspection.

6.3.9 Pits, Ponds, or Lagoons

Pits, ponds, and lagoons were not observed on-site during the subject property inspection.

6.3.10 Odors

Evidence of adverse or suspicious odors was not detected during the subject property inspection.

6.4 Interior Observations

6.4.1 Hazardous Materials and Petroleum Products

No bulk storage of hazardous materials or petroleum products was identified at the subject property. However, cleaning products are stored in the maintenance areas. None of the stored materials were observed to be leaking or to have had signs of major spillage. No floor drains or other potential receptors for the release of hazardous materials were observed within the areas of material storage. The on-site chemicals are commercially available, stored in limited quantities, and are not believed to present an environmental concern to the subject property.

6.4.2 Polychlorinated Biphenyls (PCBs)

No PCB-containing equipment was observed on-site during the subject property inspection.

6.4.3 Storage Tanks Not Previously Listed

No additional storage tanks were observed on-site during the subject property inspection.

6.4.4 Odors

Evidence of adverse or suspicious odors was not detected during the subject property inspection.

6.4.5 Drains and/or Sumps

Drains and/or sumps were not observed during the subject property inspection.

6.4.6 Pools of Liquid

Pools of liquid were not observed during the subject property inspection.

7.0 INTERVIEWS

7.1 Prospective Landowner/User Questionnaire

A Property Questionnaire was provided to Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab, the User; however, it was not returned to D3G. According to HUD guidelines, the applicant or the current property owner (if different from the applicant) is responsible for completing the User Questionnaire. This is noted in Section 2.4.

7.2 Current Landowner Questionnaire

A Property Questionnaire was provided to Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab, the User, to forward to the Current Landowner Representative; however, it was not returned to D3G. This is noted in Section 2.4.

7.3 Previous Landowner Questionnaire

A Property Questionnaire was provided to Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab, the User, to forward to the Previous Landowner; however, it was not returned to D3G. This is noted in Section 2.4.

7.4 Key Site Manager Questionnaire

A Property Questionnaire was provided to Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab, the User, to forward to the Key Site Manager; however, it was not returned to D3G. This is noted in Section 2.4.

7.5 Occupant Questionnaire

The subject property is currently utilized for residential purposes; therefore, an Occupant Questionnaire is not necessary for this investigation pursuant to ASTM E1527-21 Section 10.5.2.1.

7.6 Local Agencies Contacted

D3G contacted the City of Annapolis Fire Department on August 27, 2025 for a review of their environmental records (i.e. USTs, hazardous materials storage, and spills) for the subject property. As of the date of this report, D3G has not received a response to this inquiry. Upon receipt of the agency response, D3G will forward this information as an addendum to this report. If no response is received or no material information is identified, our report will not be modified. A copy of the correspondence is located in Appendix F of this report.

D3G contacted the City of Annapolis Health Department on August 27, 2025 for a review of their environmental records including regional environmental health issues, on-site wells and/or septic system records for the subject property. As of the date of this report, D3G has not received a response to this inquiry. Upon receipt of the agency response, D3G will forward this information as an addendum to this report. If no response is received or no material information is identified, our report will not be modified. A copy of the correspondence is located in Appendix F of this report.

7.7 Additional Persons Interviewed

INTERVIEWED PERSON	POSITION/ RELATION TO PROPERTY	INTERVIEW DATE	CONTENT OF DISCUSSION
Grayson Flynn	Property Manager	August 27, 2025	Provided tour of the facility and discussed maintenance operations.
Bernard Swinson	Maintenance Supervisor	August 27, 2025	Provided tour of the facility and discussed maintenance operations.

8.0 INVESTIGATION FOR NON-SCOPE CONSIDERATIONS

8.1 Asbestos-Containing Materials

The apartment structures and laundry center were constructed in circa 1976and the rental office was constructed in circa 1994, during a time of asbestos-containing material (ACM) usage. Mr. Timothy Redmond and Mr. Steven Agerbeek, State of Maryland certified and AHERA accredited Asbestos Inspectors with One Source Environmental, LLC (OSE), conducted a pre-renovation asbestos survey at the subject property on September 3, 5 and 18, 2025 on behalf of D3G. Inspection, sampling, material condition assessments, and analytical procedures for asbestos-containing building materials were performed in accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) - EPA Title 40, Code of Federal Regulations (CFR), Part 61 Subpart M (40 CFR Part 61, Subpart M), the EPA AHERA regulation (40 CFR Part 763), MDE Regulations, and the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E 2356-18 (ASTM E 2356-18). Sampled materials included drywall, joint compound, vinyl flooring and covebase materials and associated mastics, ceramic tile grout and thinset, interior and exterior caulking materials, ceiling tiles, brick and mortar and roofing materials. A total of ninety-five (95) bulk samples were collected during the inspection with one hundred and nineteen (119) sample layers analyzed by Polarized Light Microscopy (PLM). Twenty-two (22) sample layers of non-friable organically bound (NOB) materials (i.e. vinyl flooring, covebase, mastics, caulking and roofing materials) were re-analyzed by Transmission Electron Microscopy (TEM) to comply with the analytical requirements of the ASTM E 2356-18 standard. An ACM is defined as containing greater than 1% asbestos. The following material was identified as an ACM:

- Exterior white door caulk — 4% Chrysotile

The identified asbestos-containing door caulk is located on the exterior door openings throughout the property underneath a non-asbestos-containing layer of caulking. This is a Category II non-friable (not able to be crushed via hand pressure) ACM and was observed to be in good condition. Approximately 17 linear feet of this material is estimated to be present on each of the door openings (238 doors).

In addition, fire door/door frame insulation at the laundry room was not tested and is assumed to contain asbestos. This material was not sampled as sampling would require destructive methods and void warranties and/or fire ratings. Destructive testing should be performed if the fire door is to be disturbed.

The Asbestos Inspection Report prepared by OSE is included in Appendix M.

In addition, D3G was provided with a prior Asbestos Survey Report prepared by Partner Engineering and Science, Inc. (Partner) dated November 13, 2020. According to the report, the purpose of the survey was to investigate the condition of accessible suspect asbestos in the buildings that were to be impacted by the scheduled renovations. The survey was performed by Indira Mendez, a State of Maryland accredited Asbestos Inspector (certification #2000003321) with The Vertex Companies, Inc., on October 22 and 23, 2020 and November 6, 2020. Twenty-seven (27) units were evaluated during the survey. A total of forty (40) samples were collected to complete the inspection. Sampled materials included drywall, joint compound, ceiling tiles, caulking materials and vinyl flooring materials and associated mastics. Samples were analyzed via PLM. The exterior white door caulk was identified as an ACM, containing 4% Chrysotile.

The Asbestos Survey Report prepared by Partner is included in Appendix N.

The on-site vacant single-family home was constructed circa 1960. This structure is proposed for demolition. Mr. Steven Agerbeek, a State of Maryland certified and AHERA accredited

Asbestos Inspector with OSE, conducted a pre-demolition asbestos survey of this structure on September 18, 2025 on behalf of D3G. Inspection, sampling, material condition assessments, and analytical procedures for asbestos-containing building materials were performed in accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) - EPA Title 40, Code of Federal Regulations (CFR), Part 61 Subpart M (40 CFR Part 61, Subpart M), the EPA AHERA regulation (40 CFR Part 763), MDE Regulations, and the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E 2356-18 (ASTM E 2356-18). Sampled materials included drywall, joint compound, ceramic tile grout and thinset, sink undercoating materials, interior and exterior caulking materials, skim coat and base coat plasters, vibration damper, textured ceiling materials and roofing materials. A total of thirty-nine (39) bulk samples were collected during the inspection with forty-one (41) sample layers analyzed by Polarized Light Microscopy (PLM). Six (6) sample layers of non-friable organically bound (NOB) materials (caulking and roofing materials) were re-analyzed by Transmission Electron Microscopy (TEM) to comply with the analytical requirements of the ASTM E 2356-18 standard. An ACM is defined as containing greater than 1% asbestos. The following material was identified as an ACM:

• White sink undercoating — 4% Chrysotile

The identified asbestos-containing sink undercoating material is present on the underside of the kitchen sink. This is a Category II non-friable ACM and was observed to be in good condition. Approximately 6 square feet of this material is estimated to be present.

The Asbestos Inspection Report for the residential house prepared by OSE is included in Appendix O.

Recommendations are included in Section 11.0 of this report.

8.2 Lead-Based Paint

The apartment structures and laundry center were constructed in circa 1976, prior to the 1978 ban on lead-based paint (LBP). D3G was provided with a Lead-Based Paint Survey Report prepared by Partner Engineering and Science, Inc. dated November 13, 2020. According to the report, Loren Barrett, a State of Maryland accredited Lead-Based Paint Inspector with The Vertex Companies, Inc., a State of Maryland certified Lead Paint Inspection Contractor (certification #14754), conducted a lead-based paint inspection at the subject property on October 22 and 23, 2020 and November 6, 2020. Select units were tested in accordance with the United States Housing and Urban Development (HUD) protocols, as outlined in the Chapter 7, Lead-Based Paint Inspection 2012 Revisions. In accordance with HUD Underwriting Protocols and Table 7.3, twenty-seven (27) units at the 198-unit apartment complex were sampled as well as common and exterior areas. The lead paint inspection was completed utilizing an X-ray fluorescence (XRF) lead paint analyzer, which quickly, accurately, and non-destructively measures the concentration of lead-based paint on surfaces. A total of 1,817 XRF readings were collected to complete the inspection. Sampled surfaces consisted of walls, doors and associated framework, windows and associated framework, ceilings, baseboards, stairwell components, miscellaneous components and exterior components. The XRF readings were compared to the State of Maryland lead in paint standard of 0.7 mg/cm^2, which is more stringent than the EPA and United States Department of Housing and Urban Development lead in paint standard of 1.0 mg/cm^2. The results of this inspection indicate that none of the sampled components contained lead-based paint. Therefore, this dwelling qualifies for the exemption in 24 CFR Part 35 and 40 CFR Part 745 for target housing being leased that is free of lead-based paint, as defined by the rule.

The provided Lead-Based Paint Survey Report is included in Appendix K.

The rental office was constructed in circa 1994, after the 1978 ban on lead-based paint (LBP); therefore, LBP is not suspected to be present on the painted surfaces of this structure.

The vacant single-family home was constructed in circa 1960. Therefore, LBP is suspected to be present on the interior and exterior painted surfaces of this structure. No areas of peeling or flaking paint were observed on the painted surfaces of this structure. This structure is proposed for demolition. During demolition activities, impacts to painted surfaces are required be handled in accordance with 29 CFR 1926.62, the OSHA Lead Exposure in Construction Standard. In addition, all generated debris containing lead-based paint is to be appropriately disposed of in accordance with applicable EPA RCRA requirements.

8.3 Radon Gas

The subject property is located in an EPA Radon Zone 2, designated as an area of moderate radon gas potential with an average indoor radon level between 2 and 4 picocuries per liter (pCi/L) of air. Mr. Dari Kissoondath, a AARST/NRPP certified radon technician (certification #13ST009) with One Source Environmental, LLC, conducted short-term radon gas testing at the subject property on behalf of D3G from September 3-5, 2025. In accordance with HUD guidelines, testing was conducted in accordance with the ANSI/AARST MA-MFLB-2023, Protocol for Conducting Measurements of Radon and Radon Decay Products in Multifamily, School, Commercial and Mixed-Use Buildings in 100% of the ground floor units in each building. In addition, at least 10% of the units on each of the upper-level floors were tested as well as ground floor common areas. At least one (1) liquid scintillation testing device was placed in each of the tested units for an undisturbed testing period of 48 to 72 hours. QA/QC samples (field blanks and duplicates) were also submitted in accordance with AARST guidelines. The tenants were requested to maintain closed-building conditions for twelve (12) hours prior to and during the testing. Closed building conditions appeared to have been maintained.

At the end of the recorded sampling period, the testing devices were collected and logged onto chain of custody forms and then submitted to an AARST/NRPP certified radon analytical laboratory, AccuStar Labs (certification #101193AL). Testing devices were analyzed via the EPA Method #402-R-92-004. Achieved results were compared to the EPA radon action limit of 4.0 pCi/L of air. Samples collected within the facility determined that radon levels were below the EPA action level within the sampled areas during the sampling episode. The results ranged from < 0.4 pCi/L to 2.2 pCi/L. Therefore, no further action is required at this time regarding radon gas.

A copy of the Radon Gas Inspection Report, which details all sampling results, and the resident notification letter is included in Appendix L.

The vacant single-family home is proposed for demolition. Therefore, this structure did not require evaluation for radon gas.

8.4 Flood Zone

According to FEMA Flood Insurance Rate Map (FIRM) #24003C-0253F, dated February 18, 2015, the subject property is located in Zone X, designated as an area outside the 100- and 500-year floodplain and the flood potential for the subject property is minimal. According to the FEMA Flood Map Service Center accessed at https://msc.fema.gov/portal/home, there are no preliminary or pending FIRMs for the subject property. A copy of the FIRM is provided in Appendix A.

8.5 Wetlands

A wetland delineation/determination has not been performed at the subject property; however, according to the USFWS National Wetlands Inventory Map accessed at https://www.fws.gov/program/national-wetlands-inventory/wetlands-mapper and visual observations, there are not suspected to be any wetland areas on the subject property. A copy of the NWI Map is provided in Appendix A.

9.0 FINDINGS

This Phase I ESA was prepared in accordance with ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process Designation: E 1527-21, 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries: Final Rule, U.S. Housing and Urban Development (HUD) Multifamily Accelerated Processing Guide, as amended, and accepted Phase I ESA industry standards. This assessment has revealed the following findings, consisting of RECs, CRECs, HRECs, environmental concerns, and significant data gaps, based on the subject property inspection, interviews, and review of available records:

EVALUATED CONDITIONS	ON-SITE	ADJACENT
STANDARD ENVIRONMENTAL RECORDS REVIEW	NO	NO
UNREGULATED UNDERGROUND STORAGE TANK(S) (UST)	NO	NO
PAST INDUSTRIAL/DETRIMENTAL OPERATIONS	NO	NO
VAPOR ENCROACHMENT CONDITION	NO	NO
STORED HAZARDOUS MATERIALS	NO	NA
POLYCHLORINATED BIPHENYLS (PCBS)	NO	NA
ABOVEGROUND STORAGE TANK(S) (AST)	NO	NO
DUMPING, LANDFILLS	NO	NO
HAZARDOUS RUN-OFF	NO	NO
ASBESTOS-CONTAINING MATERIALS	YES	NA
LEAD-BASED PAINT	NO	NA
RADON GAS	NO	NA
OTHER	NO	NA

NA = Not Applicable

10.0 OPINION

Recognized Environmental Conditions (RECs)
As defined in ASTM E 1527-21, RECs are (1) the presence of hazardous substances or petroleum products in, on, or at the subject property due to release to the environment; (2) the likely presence of hazardous substances or petroleum products in, on, or at the subject property due to a release or likely release to the environment; or (3) the presence of hazardous substances or petroleum products in, on, or at the subject property under conditions that pose a material threat of a future release to the environment. **Based on the findings of this Phase I ESA, no RECs were identified.**

Controlled Recognized Environmental Conditions (CRECs)
As defined in ASTM E 1527-21, a CREC is a REC affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities with hazardous substances or petroleum products allowed to remain in place subject to implementation of required controls (for example, activity and use limitations or other property use limitations). **Based on the findings of this Phase I ESA, no CRECs were identified.**

Historical Recognized Environmental Conditions (HRECs)
As defined in ASTM E 1527-21, an HREC is a previous release of hazardous substances or petroleum products affecting the subject property that has been addressed to the satisfaction of the applicable regulatory authority or authorities and meeting unrestricted use criteria established by the applicable regulatory authority or authorities without subjecting the subject property to any controls (for example, activity and use limitations or other property use limitations). A HREC is not a REC. **Based on the findings of this Phase I ESA, no HRECs were identified.**

Environmental Concerns
D3G defines "environmental concerns" as de minimis conditions and non-scope considerations for which further action is recommended. As defined in ASTM E 1527-21, a de minimis condition is a condition related to a release that generally does not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies. A condition determined to be a de minimis condition is not a REC nor a CREC. Non-scope considerations include assessed environmental issues or conditions beyond the scope of ASTM E 1527-21 as stated in Section 2.2 and/or discussed below. **Based on the findings of this Phase I ESA, no environmental concerns were identified, except for the following:**

Asbestos-Containing Materials (ACMs)
The apartment structures and laundry center were constructed in circa 1976and the rental office was constructed in circa 1994, during a time of asbestos-containing material (ACM) usage. Mr. Timothy Redmond and Mr. Steven Agerbeek, State of Maryland certified and AHERA accredited Asbestos Inspectors with One Source Environmental, LLC (OSE), conducted a pre-renovation asbestos survey at the subject property on September 3, 5 and 18, 2025 on behalf of D3G. Inspection, sampling, material condition assessments, and analytical procedures for asbestos-containing building materials were performed in accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) - EPA Title 40, Code of Federal Regulations (CFR), Part 61 Subpart M (40 CFR Part 61, Subpart M), the EPA AHERA regulation (40 CFR Part 763), MDE Regulations, and the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E 2356-18 (ASTM E 2356-18). Sampled materials included drywall, joint compound, vinyl flooring and covebase materials and associated mastics, ceramic tile grout and thinset, interior and exterior caulking materials, ceiling tiles, brick and mortar and roofing materials. A total of ninety-five (95) bulk samples were collected during the inspection with one hundred and nineteen (119) sample layers analyzed by Polarized Light Microscopy (PLM). Twenty-two (22) sample layers of non-friable organically bound (NOB) materials (i.e. vinyl flooring, covebase, mastics, caulking and roofing materials)

were re-analyzed by Transmission Electron Microscopy (TEM) to comply with the analytical requirements of the ASTM E 2356-18 standard. An ACM is defined as containing greater than 1% asbestos. The following material was identified as an ACM:

• Exterior white door caulk — 4% Chrysotile

The identified asbestos-containing door caulk is located on the exterior door openings throughout the property underneath a non-asbestos-containing layer of caulking. This is a Category II non-friable (not able to be crushed via hand pressure) ACM and was observed to be in good condition. Approximately 17 linear feet of this material is estimated to be present on each of the door openings (238 doors).

In addition, fire door/door frame insulation at the laundry room was not tested and is assumed to contain asbestos. This material was not sampled as sampling would require destructive methods and void warranties and/or fire ratings. Destructive testing should be performed if the fire door is to be disturbed.

In addition, D3G was provided with a prior Asbestos Survey Report prepared by Partner Engineering and Science, Inc. (Partner) dated November 13, 2020. According to the report, the purpose of the survey was to investigate the condition of accessible suspect asbestos in the buildings that were to be impacted by the scheduled renovations. The survey was performed by Indira Mendez, a State of Maryland accredited Asbestos Inspector (certification #2000003321) with The Vertex Companies, Inc., on October 22 and 23, 2020 and November 6, 2020. Twenty-seven (27) units were evaluated during the survey. A total of forty (40) samples were collected to complete the inspection. Sampled materials included drywall, joint compound, ceiling tiles, caulking materials and vinyl flooring materials and associated mastics. Samples were analyzed via PLM. The exterior white door caulk was identified as an ACM, containing 4% Chrysotile.

The on-site vacant single-family home was constructed circa 1960. This structure is proposed for demolition. Mr. Steven Agerbeek, a State of Maryland certified and AHERA accredited Asbestos Inspector with OSE, conducted a pre-demolition asbestos survey of this structure on September 18, 2025 on behalf of D3G. Inspection, sampling, material condition assessments, and analytical procedures for asbestos-containing building materials were performed in accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) - EPA Title 40, Code of Federal Regulations (CFR), Part 61 Subpart M (40 CFR Part 61, Subpart M), the EPA AHERA regulation (40 CFR Part 763), MDE Regulations, and the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E 2356-18 (ASTM E 2356-18). Sampled materials included drywall, joint compound, ceramic tile grout and thinset, sink undercoating materials, interior and exterior caulking materials, skim coat and base coat plasters, vibration damper, textured ceiling materials and roofing materials. A total of thirty-nine (39) bulk samples were collected during the inspection with forty-one (41) sample layers analyzed by Polarized Light Microscopy (PLM). Six (6) sample layers of non-friable organically bound (NOB) materials (caulking and roofing materials) were re-analyzed by Transmission Electron Microscopy (TEM) to comply with the analytical requirements of the ASTM E 2356-18 standard. An ACM is defined as containing greater than 1% asbestos. The following material was identified as an ACM:

• White sink undercoating — 4% Chrysotile

The identified asbestos-containing sink undercoating material is present on the underside of the kitchen sink. This is a Category II non-friable ACM and was observed to be in good condition. Approximately 6 square feet of this material is estimated to be present.

Significant Data Gaps

As defined in ASTM E 1527-21, a significant data gap is a data gap that affects the ability of the environmental professional to identify a REC. A data gap is a lack of or inability to obtain information required by this practice despite good faith efforts by the environmental professional to gather such information. Data gaps may result from incompleteness in any of the activities required by this practice, including, but not limited to, site reconnaissance (for example, an inability to conduct the site visit), and interviews (for example, an inability to interview the key site manager, regulatory officials, etc.). **Based on the findings of this Phase I ESA, no significant data gaps were identified.**

11.0 CONCLUSIONS

Dominion Due Diligence Group performed a Phase I Environmental Site Assessment (ESA) in conformance with the scope and limitations of ASTM Practice E1527-21 of the Bay Ridge Gardens located at 1 Bens Drive in Annapolis, Anne Arundel County, Maryland (subject property). Any exceptions to, or deletions from, this practice are described in Section 2.4 of this report. This assessment has revealed no evidence of recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), or significant data gaps in connection with the subject property.

D3G has performed a Phase I ESA at the subject property. Based on the identified environmental concerns discussed in Section 10.0, D3G recommends the following:

Asbestos-Containing Materials (ACMs)

If suspect ACMs are encountered during renovation/demolition activities which have not been previously sampled, they should be sampled by an appropriately licensed asbestos inspector prior to impaction and treated accordingly or treated as ACMs. ACMs which are to be impacted by renovation/demolition activities should be removed by a licensed asbestos abatement contractor in accordance with applicable regulations. Any remaining ACMs or assumed ACMs should be managed under the site-specific Operations and Maintenance (O&M) Program prepared by D3G dated September 30, 2025. The O&M Program should be updated to reflect any abatement activities.

12.0 DEVIATIONS

There are no deviations from ASTM E1527-21 except for those outlined in Section 2.4 of this report.

13.0 ADDITIONAL SERVICES

D3G was additionally contracted to perform a HUD Environmental Review, which is provided under separate cover.

14.0 REFERENCE MATERIALS

- City of Annapolis Fire and Health Departments
- Anne Arundel County Assessor
- Web Soil Survey accessed at http://websoilsurvey.nrcs.usda.gov/app/
- Environmental Data Resources Inc. (EDR) Report, dated August 21, 2025
- Google Maps
- Google Earth and EDR — aerial photographs
- EDR Certified Sanborn Map Report
- EDR-City Directory Abstract
- Current USGS Topographic Quadrangle accessed via the USGS Map Locator Store - https://store.usgs.gov/map-locator
- EPA Radon Map
- ALTA/ACSM Land Title Survey prepared by Vika Inc. dated July 28, 2010
- Site Illustration prepared by Bonstra Haresign Architects dated June 15, 2021

15.0 SIGNATURE OF ENVIRONMENTAL PERSONNEL

Data presented in this report is factual to the best of our knowledge. Available sources of data were comprehensively researched to provide a complete Phase I ESA of the subject property. The Phase I ESA was prepared in accordance with ASTM Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E1527-21), 40 CFR Part 312 Standards and Practices for All Appropriate Inquiry: Final Rule, and portions of the U.S. Department of HUD MAP Guide protocols, as amended. In addition, it should be noted that the HUD Environmental Review Record Related Federal Laws and Authorities Worksheets are included under separate cover.

D3G understands that this Phase I ESA will be used by the User to document to the U.S. Department of HUD that the MAP Lender's application for FHA multifamily mortgage insurance was prepared and reviewed in accordance with HUD requirements. This report has been made, presented, and delivered for the purpose of influencing an official action of the FHA, and of the Commissioner, and may be relied upon by the Commissioner as a true statement of the facts contained therein. D3G certifies that the review was in compliance with HUD program and processing requirements applicable on the date of the review and that D3G has no financial interest or family relationship with the officers, directors, shareholders, members, or partners of the Lender or affiliated entities, Borrower or affiliated entities, the General Contractor, any subcontractors, the buyer or seller of the proposed property and that D3G has not engaged in any business that might present a conflict of interest.

Site Assessor

Scott Byerly
Site Assessor

Environmental Technician

Victor Lucas
Environmental Technician

Environmental Professional

Brandon Vidra
Environmental Professional

Principal

Robert Hazelton
Principal

I hereby certify under penalty of perjury that all of the information I have provided on this form and in any accompanying documentation is true and accurate. I acknowledge that if I knowingly have made any false, fictitious, or fraudulent statement, representation, or certification on this form or on any accompanying documents, I may be subject to criminal, civil, and/or administrative sanctions, including fines, penalties, and/or imprisonment under

applicable federal law, including but not limited to 12 U.S.C. § 1833a; 18 U.S.C. §§1001, 1006, 1010, 1012, and 1014; 12 U.S.C. §1708 and 1735f-14; and 31 U.S.C. §§3729 and 3802.

16.0 QUALIFICATIONS OF ENVIRONMENTAL PROFESSIONALS

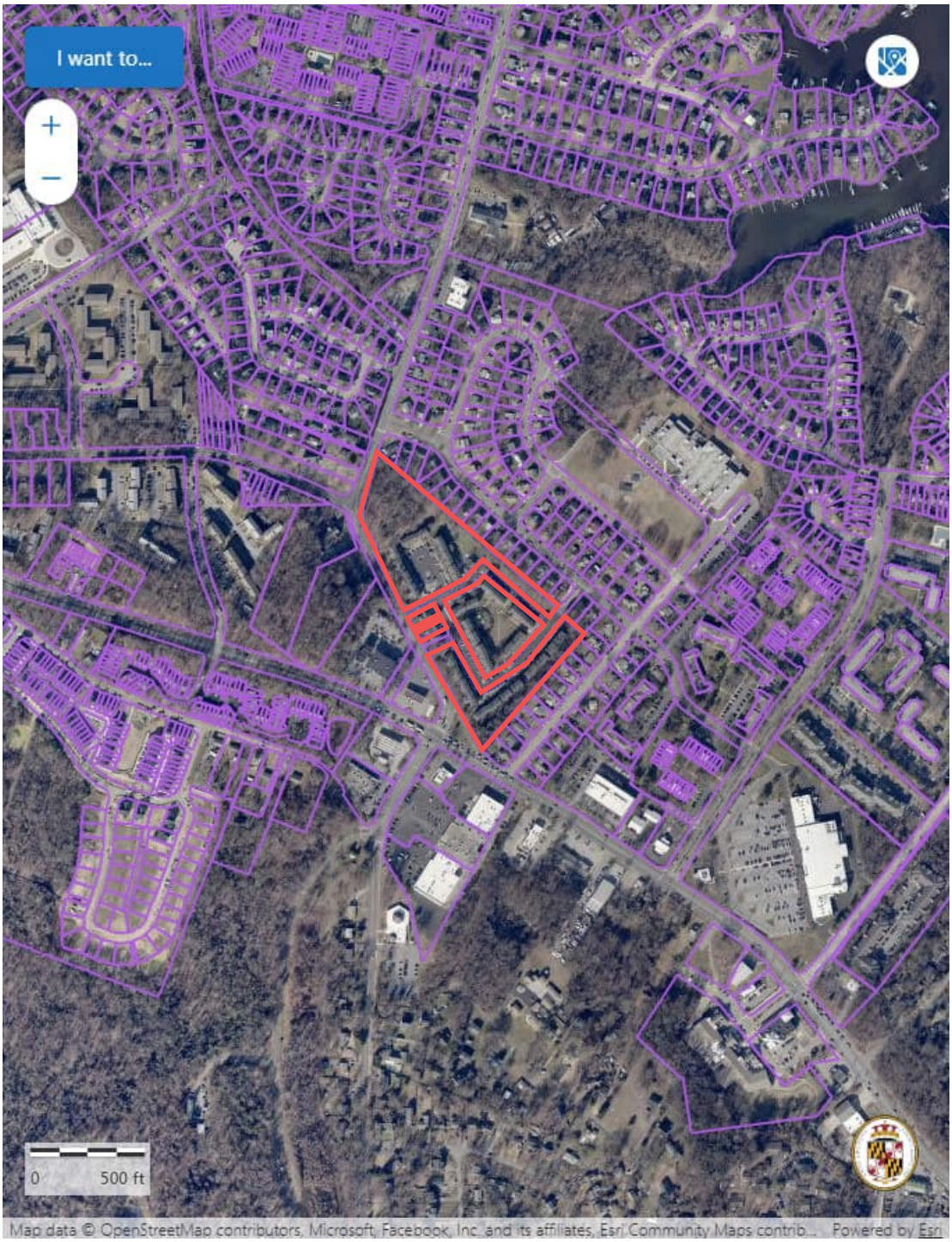
I declare that, to the best of my professional knowledge and belief, I meet the definition of Environmental Professional as defined in §312.10 of 40 CFR Part 312.

I have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. I have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312.

Brandon Vidra qualifies as an **Environmental Professional** as defined in 40 CFR Part 312.10(b). Mr. Vidra has numerous years of extensive training and experience with regards to environmental issues. He received an undergraduate B.S. degree in Integrated Science and Technology, with a concentration in the Environment, from James Madison University and has inspected, managed, and designed numerous environmental projects throughout the United States. Mr. Vidra also has extensive knowledge of the ASTM E1527 Phase I Environmental Site Assessment regulations as well as the EPA 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries regulations. Mr. Vidra qualifies as an Environmental Professional as defined under ASTM E1527 Section 4.3 and Appendix X2 with over five (5) years of experience performing investigations of surface and subsurface environmental conditions. As an Environmental Team Leader and Environmental Professional for Dominion Due Diligence Group, his responsibilities include coordinating, conducting, preparing, and reviewing Phase I Environmental Site Assessments (HUD, ASTM E1527, state tax credits, Fannie Mae, Freddie Mac, etc.), as well as Environmental Reviews throughout the United States, consisting of compliance evaluations with the National Environmental Policy Act (NEPA) and other project-specific guidance requirements (MAP, LEAN, HOME, HTF, RAD, SAC, etc.). Additionally, Mr. Vidra is responsible for training, performance, and management of Housing Preservation Services (HPS) Environmental Technicians, client contact, and comprehensive report reviewing.

Appendix A:

Site (Vicinity) Maps



Appendix A Tax Map	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland *Account Identifier #s 00153950 & 90037930*	**DOMINION DUE DILIGENCE GROUP**

Real Property Data Search ( )

Search Result for ANNE ARUNDEL COUNTY

View Map **No Ground Rent Redemption on File** **No Ground Rent Registration on File**

Special Tax Recapture: None

Account Number: **District -** 06 **Subdivision -** 000 **Account Identifier -** 00153950

Owner Information

Owner Name:	BRG 2 LLC	**Use:**	APARTMENTS
		Principal Residence:	NO
Mailing Address:	6000 FREEDOM SQ STE 500 INDEPENDENCE OH 44131-	**Deed Reference:**	/22688/ 00058

Location & Structure Information

Premises Address:	BAY RIDGE AVE ANNAPOLIS 21403-0000	**Legal Description:**	12.362 ACRES BAY RIDGE AVE BAY RIDGE GARDENS

Map:	Grid:	Parcel:	Neighborhood:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:
057A	0001	0110	36300.02	000			OR	2024	**Plat Ref:** 0040/ 0017

Town: ANNAPOLIS

Primary Structure Built	Above Grade Living Area	Finished Basement Area	Property Land Area	County Use
			12.3600 AC	

Stories	Basement	Type	Exterior	Quality	Full/Half Bath	Garage	Last Notice of Major Improvements
			/				

Value Information

	Base Value	Value	Phase-in Assessments	
		As of 01/01/2024	As of 07/01/2025	As of 07/01/2026
Land:	9,900,000	9,900,000		
Improvements	13,498,100	9,102,900		
Total:	23,398,100	19,002,900	19,002,900	19,002,900
Preferential Land:	0	0		

Transfer Information

Seller: BAY RIDGE GARDENS LTD PTNSHP	**Date:** 10/04/2010	**Price:** $7,600,000
Type: ARMS LENGTH IMPROVED	**Deed1:** /22688/ 00058	**Deed2:**
Seller: ANNAPOLIS WOODS VENTURE JT VNT	**Date:** 12/30/1993	**Price:** $3,850,000
Type: ARMS LENGTH IMPROVED	**Deed1:** /06405/ 00767	**Deed2:**
Seller:	**Date:**	**Price:**
Type:	**Deed1:**	**Deed2:**

Exemption Information

Partial Exempt Assessments:	**Class**	07/01/2025	07/01/2026
County:	000	0.00	
State:	000	0.00	
Municipal:	000	0.00|0.00	0.00|0.00

Special Tax Recapture: None

Homestead Application Information

Homestead Application Status: No Application

Homeowners' Tax Credit Application Information

Homeowners' Tax Credit Application Status: No Application **Date:**

Give Feedback

Real Property Data Search ( )

Search Result for ANNE ARUNDEL COUNTY

View Map **No Ground Rent Redemption on File** **No Ground Rent Registration on File**

Special Tax Recapture: None

Account Number: **District -** 06 **Subdivision -** 000 **Account Identifier -** 90037930

Owner Information

Owner Name:	BRG 2 LLC	**Use:**	RESIDENTIAL
		Principal Residence:	NO
Mailing Address:	6000 FREEDOM SQ STE 500 INDEPENDENCE OH 44131-	**Deed Reference:**	/38893/ 00288

Location & Structure Information

Premises Address:	2145 BAY RIDGE AVE ANNAPOLIS 21403-0000	**Legal Description:**	LT 35 & 12.5X60 FT S 2145 BAY RIDGE AVE EASTPORT

Map:	Grid:	Parcel:	Neighborhood:	Subdivision:	Section:	Block:	Lot:	Assessment Year:	Plat No:
057A	0001	0109	6060002.02	000			35	2024	**Plat Ref:** 0020/ 0042

Town: ANNAPOLIS

Primary Structure Built	Above Grade Living Area	Finished Basement Area	Property Land Area	County Use
1935	1,604 SF		7,800 SF	

Stories	Basement	Type	Exterior	Quality	Full/Half Bath	Garage	Last Notice of Major Improvements
2	YES	STANDARD UNIT	SIDING/3		2 full		

Value Information

	Base Value	Value	Phase-in Assessments	
		As of 01/01/2024	As of 07/01/2025	As of 07/01/2026
Land:	136,600	263,300		
Improvements	140,600	139,800		
Total:	277,200	403,100	361,133	403,100
Preferential Land:	0	0		

Transfer Information

Seller: RAHF IV TYPE B HOLDINGS LLC	**Date:** 06/30/2022	**Price:** $0
Type: NON-ARMS LENGTH OTHER	**Deed1:** /38893/ 00288	**Deed2:**
Seller: PINEDA JESUS ANTONIO VILLANUEVA	**Date:** 01/28/2022	**Price:** $350,000
Type: ARMS LENGTH IMPROVED	**Deed1:** /38291/ 00291	**Deed2:**
Seller: AAREI LLC	**Date:** 06/28/2019	**Price:** $265,000
Type: ARMS LENGTH IMPROVED	**Deed1:** /33299/ 00011	**Deed2:**

Exemption Information

Partial Exempt Assessments:	**Class**	07/01/2025	07/01/2026
County:	000	0.00	
State:	000	0.00	
Municipal:	000	0.00|0.00	0.00|0.00

Special Tax Recapture: None

Homestead Application Information

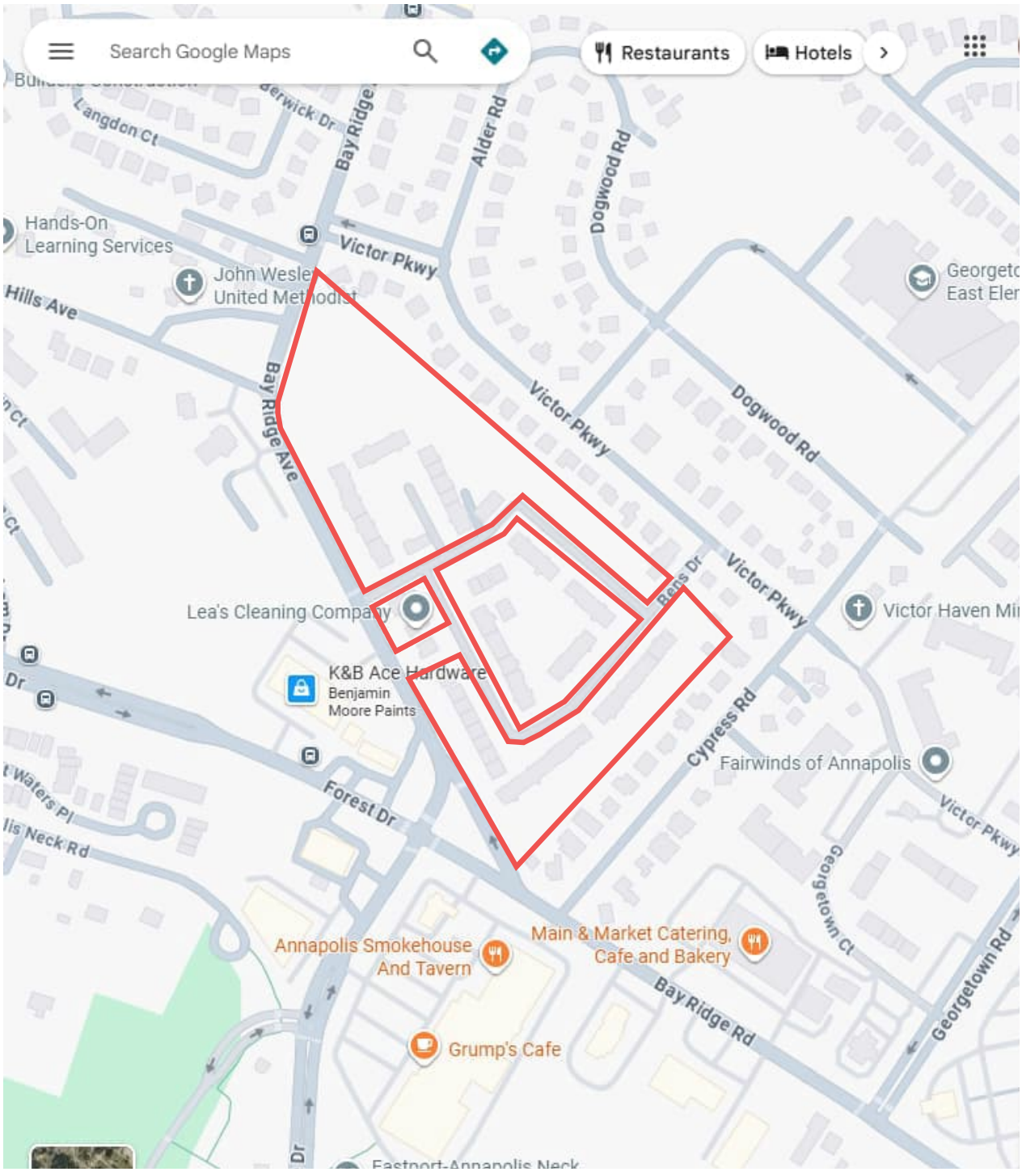
Homestead Application Status: No Application

Homeowners' Tax Credit Application Information

Homeowners' Tax Credit Application Status: No Application **Date:**



Appendix A Site Topographic Map	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland *Topographic Quadrangle: Annapolis, Maryland 2023*	**DOMINION DUE DILIGENCE GROUP**



Appendix A Site Locator Map	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland	**DOMINION DUE DILIGENCE GROUP**



Appendix A Site Soils Map	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland *http://websoilsurvey.nrcs.usda.gov/app/*	**DOMINION DUE DILIGENCE GROUP**

Map Unit Description (Brief, Generated)

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions in this report, along with the maps, provide information on the composition of map units and properties of their components.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

The Map Unit Description (Brief, Generated) report displays a generated description of the major soils that occur in a map unit. Descriptions of non-soil (miscellaneous areas) and minor map unit components are not included. This description is generated from the underlying soil attribute data.

Additional information about the map units described in this report is available in other Soil Data Mart reports, which give properties of the soils and the limitations, capabilities, and potentials for many uses. Also, the narratives that accompany the Soil Data Mart reports define some of the properties included in the map unit descriptions.

Report—Map Unit Description (Brief, Generated)

Anne Arundel County, Maryland

Map Unit: AuB—Annapolis-Urban land complex, 0 to 5 percent slopes

Component: Annapolis (50%)

The Annapolis component makes up 50 percent of the map unit. Slopes are 0 to 5 percent. This component is on broad interstream divides, Coastal Plain uplands. The parent material consists of glauconitic loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F149AY150MD Well Drained Glauconitic Fine-Loamy Upland ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Urban land (40%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Donlonton (10%)

Generated brief soil descriptions are created for major soil components. The Donlonton soil is a minor component.

Map Unit: AuD—Annapolis-Urban land complex, 5 to 15 percent slopes

Component: Annapolis (50%)

The Annapolis component makes up 50 percent of the map unit. Slopes are 5 to 15 percent. This component is on broad interstream divides, Coastal Plain uplands. The parent material consists of glauconitic loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is well drained. Water movement in the most restrictive layer is moderately high. Available water to a depth of 60 inches (or restricted depth) is moderate. Shrink-swell potential is low. This soil is not flooded. It is not ponded. There is no zone of water saturation within a depth of 72 inches. Organic matter content in the surface horizon is about 1 percent. This component is in the F149AY150MD Well Drained Glauconitic Fine-Loamy Upland ecological site. Nonirrigated land capability classification is 4e. This soil does not meet hydric criteria.

Component: Urban land (35%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Donlonton (15%)

Generated brief soil descriptions are created for major soil components. The Donlonton soil is a minor component.

Map Unit: DuB—Donlonton-Urban land complex, 0 to 5 percent slopes

Component: Donlonton (50%)

The Donlonton component makes up 50 percent of the map unit. Slopes are 0 to 5 percent. This component is on drainageways, swales, fluviomarine terraces, Coastal Plains uplands. The parent material consists of glauconitic loamy fluviomarine deposits. Depth to a root restrictive layer is greater than 60 inches. The natural drainage class is moderately well drained. Water movement in the most restrictive layer is moderately low. Available water to a depth of 60 inches (or restricted depth) is high. Shrink-swell potential is low. This soil is not flooded. It is not ponded. A seasonal zone of water saturation is at 24 inches during February. Organic matter content in the surface horizon is about 3 percent. This component is in the F149AY110NJ Moist Glauconitic Fine-loamy Upland ecological site. Nonirrigated land capability classification is 2e. This soil does not meet hydric criteria.

Component: Urban land (35%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Component: Colemantown (5%)

Generated brief soil descriptions are created for major soil components. The Colemantown soil is a minor component.

Component: Tinton (5%)

Generated brief soil descriptions are created for major soil components. The Tinton soil is a minor component.

Component: Annapolis (5%)

Generated brief soil descriptions are created for major soil components. The Annapolis soil is a minor component.

Map Unit: Uz—Urban land

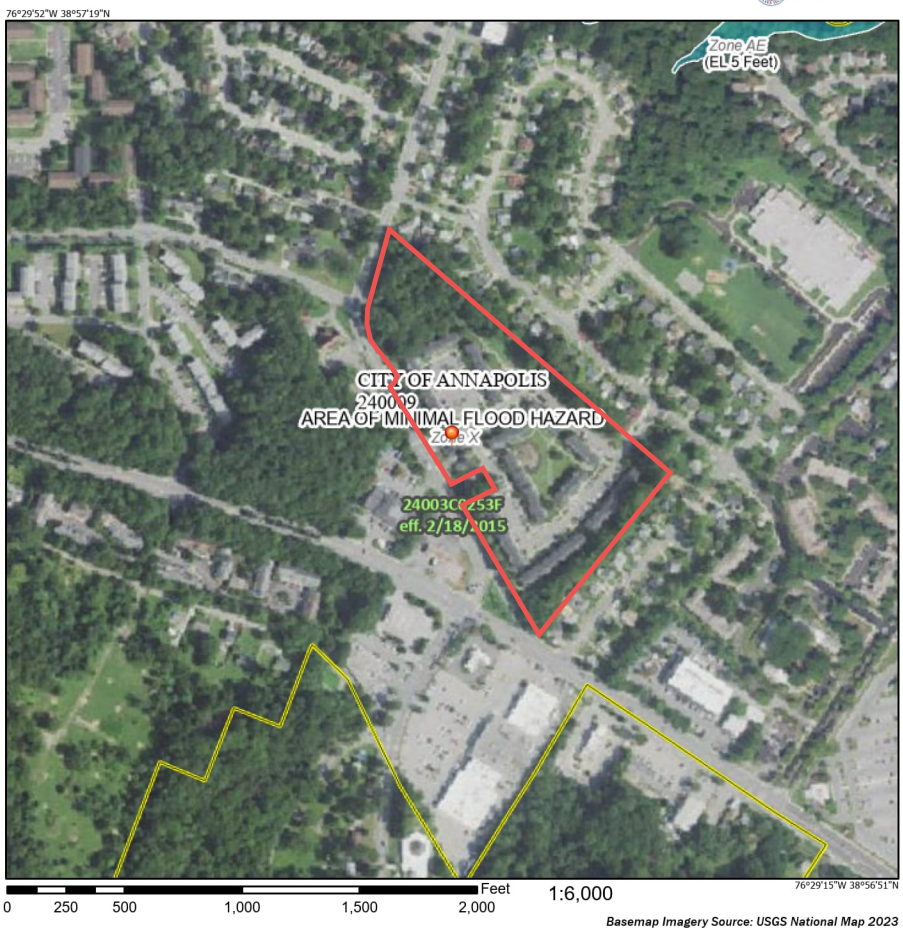
Component: Urban land (100%)

Generated brief soil descriptions are created for major soil components. The Urban land is a miscellaneous area.

Data Source Information

Soil Survey Area: Anne Arundel County, Maryland
Survey Area Data: Version 23, Sep 6, 2024

National Flood Hazard Layer FIRMette



Basemap Imagery Source: USGS National Map 2023

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

- SPECIAL FLOOD HAZARD AREAS
  - Without Base Flood Elevation (BFE) *Zone A, V, A99*
  - With BFE or Depth *Zone AE, AO, AH, VE, AR*
  - Regulatory Floodway
- OTHER AREAS OF FLOOD HAZARD
  - 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
  - Future Conditions 1% Annual Chance Flood Hazard *Zone X*
  - Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
  - Area with Flood Risk due to Levee *Zone D*
- OTHER AREAS
  - NO SCREEN Area of Minimal Flood Hazard *Zone X*
  - Effective LOMRs
  - Area of Undetermined Flood Hazard *Zone D*
- GENERAL STRUCTURES
  - Channel, Culvert, or Storm Sewer
  - Levee, Dike, or Floodwall
- OTHER FEATURES
  - 20.2 Cross Sections with 1% Annual Chance
  - 17.5 Water Surface Elevation
  - Coastal Transect
  - Base Flood Elevation Line (BFE)
  - Limit of Study
  - Jurisdiction Boundary
  - Coastal Transect Baseline
  - Profile Baseline
  - Hydrographic Feature
- MAP PANELS
  - Digital Data Available
  - No Digital Data Available
  - Unmapped

N

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/3/2025 at 1:26 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Appendix A FEMA Flood Insurance Rate Map	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland *Community Panel #24003C-0253F* *dated February 18, 2015*	**DOMINION DUE DILIGENCE GROUP**

"

FEMA (//www.fema.gov/)

FEMA Flood Map Service Center: Search All Products

Navigation

Search

MSC Home (/portal/)

MSC Search by Address (/portal/search)

MSC Search All Products (/portal/advanceSearch)

MSC Products and Tools (/portal/resources/productsandtools)

- Hazus (/portal/resources/hazus)
- LOMC Batch Files (/portal/resources/lomc)
- Product Availability (/portal/productAvailability)

MSC Frequently Asked Questions (FAQs) (/portal/resources/faq)

MSC Email Subscriptions (/portal/subscriptionHome)

Contact MSC Help (/portal/resources/contact)

Choose one of the three search options below and optionally enter a posting date range.

Jurisdiction

There are no preliminary or pending products.

State

-- Select --

Jurisdiction Name

Jurisdiction Name or FEMA ID

ANNAPOLIS, CITY OF

(Ex. Fairfax County-wide or 51059C)

Product ID

Product ID

(Ex. Panel Number, LOMC Case Number)

Filter By Posting Date Range *(Optional)*

Search | Clear All Fields

Search Results for ANNAPOLIS, CITY OF

Click subscribe to receive email notifications when products are updated.

Click to download a listing of all products.

If you are a person with a disability, are blind, or have low vision, and need assistance, please contact a map specialist (https://msc.fema.gov/portal/resources/contact).

Please Note: Searching All Products by county displays all products for all communities within the county. You can refine your search results by specifying your specific jurisdiction location using the drop-down menus above.

Expand All

Effective Products (16)
Preliminary Products (0)
Pending Product (0)
Historic Products (23)
Flood Risk Products (5)

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U.S. Fish and Wildlife Service
National Wetlands Inventory

National Wetlands Inventory



September 2, 2025

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

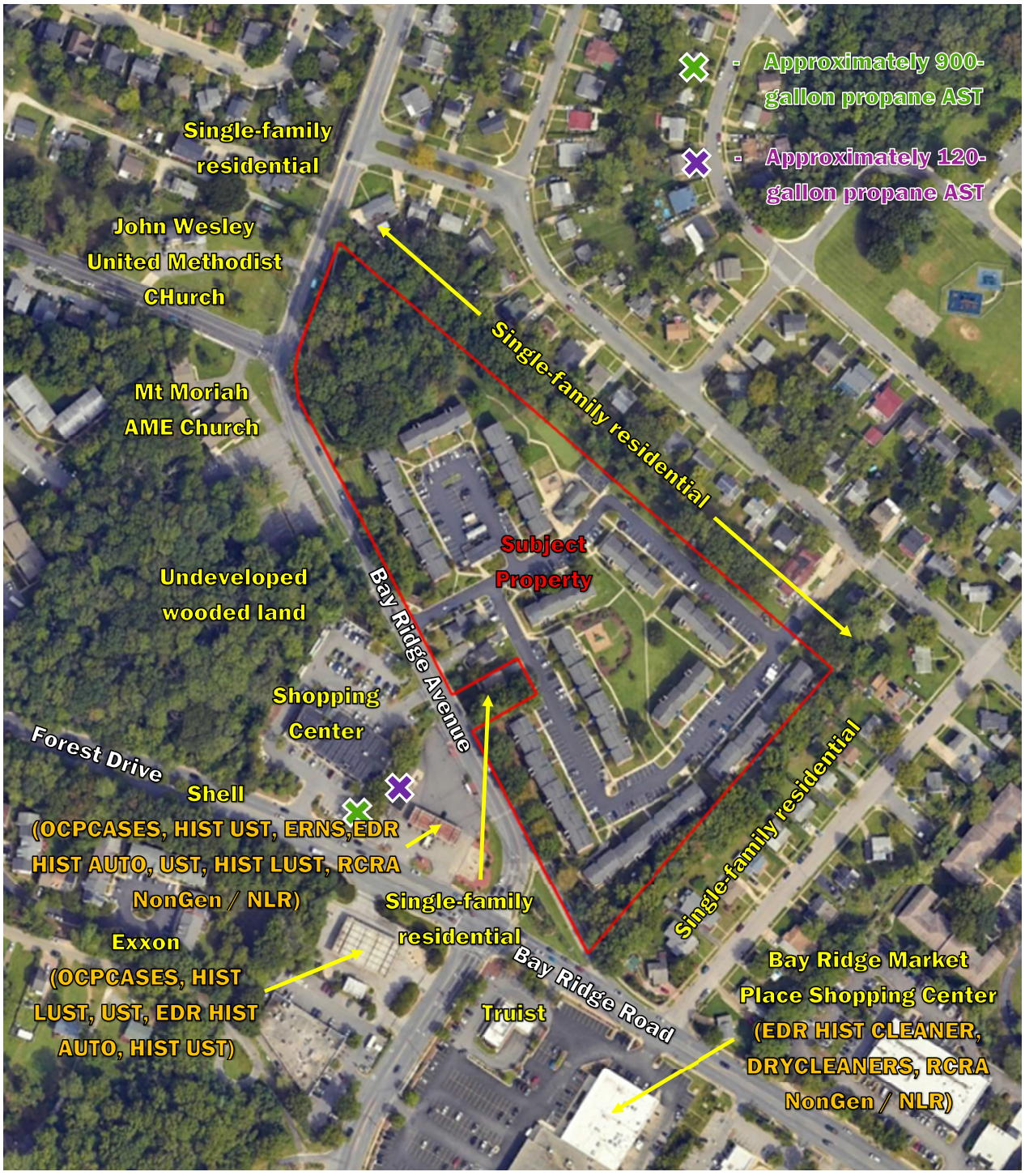
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

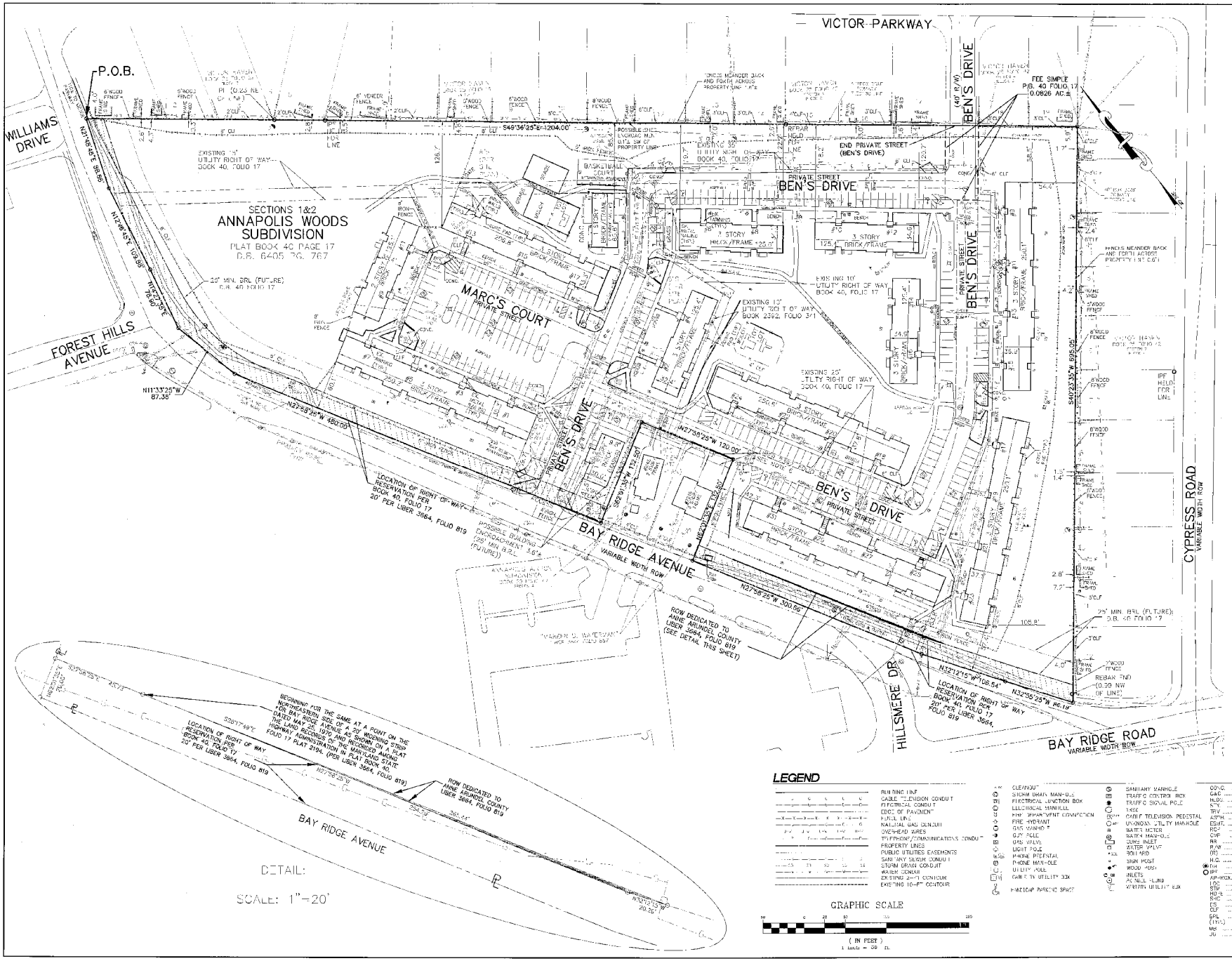
Appendix A National Wetland Inventory Map	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland *USFWS National Wetlands Inventory*	**DOMINION DUE DILIGENCE GROUP**

Appendix B:

Site Plan



Appendix B Site Plan	↑ N	Bay Ridge Gardens 1 Bens Drive Annapolis, Maryland	**DOMINION DUE DILIGENCE GROUP**


VICTOR PARKWAY
P.O.B.
WILLIAMS DRIVE
FOREST HILLS AVENUE
BEN'S DRIVE
PRIVATE STREET
END PRIVATE STREET (BEN'S DRIVE)
FEE SIMPLE P.B. 40 FOLIO 17 0.0826 AC.±
SECTIONS 1&2
ANNAPOLIS WOODS SUBDIVISION
PLAT BOOK 40 PAGE 17
D.B. 6405 PG. 767
MARC'S COURT
PRIVATE STREET
BAY RIDGE AVENUE
VARIABLE WIDTH ROW
CYPRESS ROAD
VARIABLE WIDTH ROW
HILLSMERE DR
BAY RIDGE ROAD
VARIABLE WIDTH ROW
EXISTING 10' UTILITY RIGHT OF WAY BOOK 40, FOLIO 17
EXISTING 10' UTILITY RIGHT OF WAY BOOK 2952, FOLIO 341
EXISTING 25' UTILITY RIGHT OF WAY BOOK 40, FOLIO 17
35' MIN. BRL (FUTURE) B.B. 40 FOLIO 17
25' MIN. BRL (FUTURE) B.B. 40 FOLIO 17
LOCATION OF RIGHT OF WAY RESERVATION PER BOOK 40, FOLIO 17 20' PER LIBER 3664, FOLIO 819
ROW DEDICATED TO ANNE ARUNDEL COUNTY LIBER 3664, FOLIO 819 (SEE DETAIL THIS SHEET)
POSSIBLE ENCROACHMENT (25' MIN B.R.L. (FUTURE))
BASKETBALL COURT
TENNIS COURT
REBAR FND (0.39 NW OF LINE)
IPF HELD FOR LINE
PROPERTY OF BAY RIDGE GARDENS LIMITED PARTNERSHIP LIBER 6405 FOLIO 767 SECTIONS 1 & 2 ANNAPOLIS WOODS SUBDIVISION PLAT BOOK 40 PAGE 17 CITY OF ANNAPOLIS, MARYLAND
ALTA/ACSM LAND TITLE SURVEY
VIKA REVISIONS
REVISED UTILITIES 9-21-10
DETAIL
SCALE: 1"=20'
BEGINNING FOR THE SAME AT A POINT ON THE NORTH-EASTERN SIDE OF A 70' WIDENING STRIP OF BAY RIDGE AVENUE AS SHOWN ON A PLAT DATED MAY 25, 1970 AND RECORDED AMONG THE HIGHWAY RECORDS OF THE STATE HIGHWAY ADMINISTRATION IN MARYLAND STATE ROAD COMMISSION PLAT BOOK 30, FOLIO 17 PLAT 2194, (PER LIBER 3664, FOLIO 819)
LEGEND
GRAPHIC SCALE
(IN FEET)
1 inch = 50 ft.
DATE: JULY 28, 2010
DES. JMB
DWN. JMB
SCALE: 1" = 50'
PROJECT/FILE NO. V7341-SV
SHEET NO. 2 OF 2
S# 926
P:\SURVEYS\LDD3-PROJECTS\V7341-SV\DWG\V7341-SV.DWG



BAY RIDGE GARDENS
UNIT TYPE ILLUSTRATION

LEGEND

- 2 BR — TYPICAL 2 BEDROOM UNIT
- 3 BR — TYPICAL 3 BEDROOM UNIT
- ACCESSIBLE UNIT AT GROUND FLOOR

Bonstra | Haresign
ARCHITECTS
Washington, DC

Bay Ridge Gardens Apartments
APPROXIMATE GROSS AND NET SQUARE FOOTAGE
June 25, 2021
DRAFT

BUILDING LABEL	QTY. OF 3BR PER BUILDING	QTY. OF 2BR PER BUILDING	TOTAL NUMBER OF UNITS	APPROX. 3BR UNIT NSF*	APPROX. 2BR UNIT NSF*	APPROX. TOTAL 2BR & 3BR UNIT NSF*	APPROX. BUILDING GSF*
A	12	12	24	11,040	8,580	19,620	24,405
B	6	6	12	5,520	4,290	9,810	12,803
C	18	0	18	16,560	0	16,560	20,376
D	6	6	12	5,520	4,290	9,810	12,376
E	6	6	12	5,520	4,290	9,810	12,456
F	6	6	12	5,520	4,290	9,810	12,375
G	6	6	12	5,520	4,290	9,810	12,384
H	12	12	24	11,040	8,580	19,620	24,834
I	12	12	24	11,040	8,580	19,620	24,375
J	12	12	24	11,040	8,580	19,620	24,636
K	12	12	24	11,040	8,580	19,620	24,654
TOTAL	108	90	198	99,360	64,350	163,710	205,374

TYP 3BR NSF*	920 SF
TYP. 2BR NSF*	715 SF

NOTE: ONE BEDROOM DEDICATED FOR UTILITY ROOM AT THE TERRACE LEVEL

*All SF calculations are estimates and must be verified in field.

BAY RIDGE GARDENS APARTMENTS
1 BENS DR ANNAPOLIS, MD 21403

COMPANY NAME
COMPANY NAME
ADDRESS
ADDRESS
ADDRESS
ADDRESS

REVISIONS

DATE: 06/15/21
PROJECT NO. 2019-008
DRAWN BY: Author
CHECKED BY: Checker

Bonstra | Haresign
ARCHITECTS
1728 Fourteenth Street, NW, Suite 300
Washington, DC 20009-4309
www.bonstra.com 202 588 9373 T

SITE ILLUSTRATION

CS0006

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Appendix C:

Site Photographs



1: View of the subject property signage



2: View of the subject property



3: View of the subject property



4: View of the subject property



5: View of the subject property



6: View of the subject property



7: View of the subject property



8: View of the subject property vacant single-family residence



9: View of the subject property vacant single-family residence



10: View of the subject property vacant single-family residence



11: View of the subject property vacant single-family residence


12: View of the interior of the vacant single-family home



13: View of the interior of the vacant single-family home


14: View of the interior of the vacant single-family home



15: View of the basement within the vacant single-family home



16: View of the basement within the vacant single-family home



17: View of the subject property rental office



18: View of the interior of the rental office



19: View of the interior of the rental office



20: View of the laundry center



21: View of the interior of the laundry center



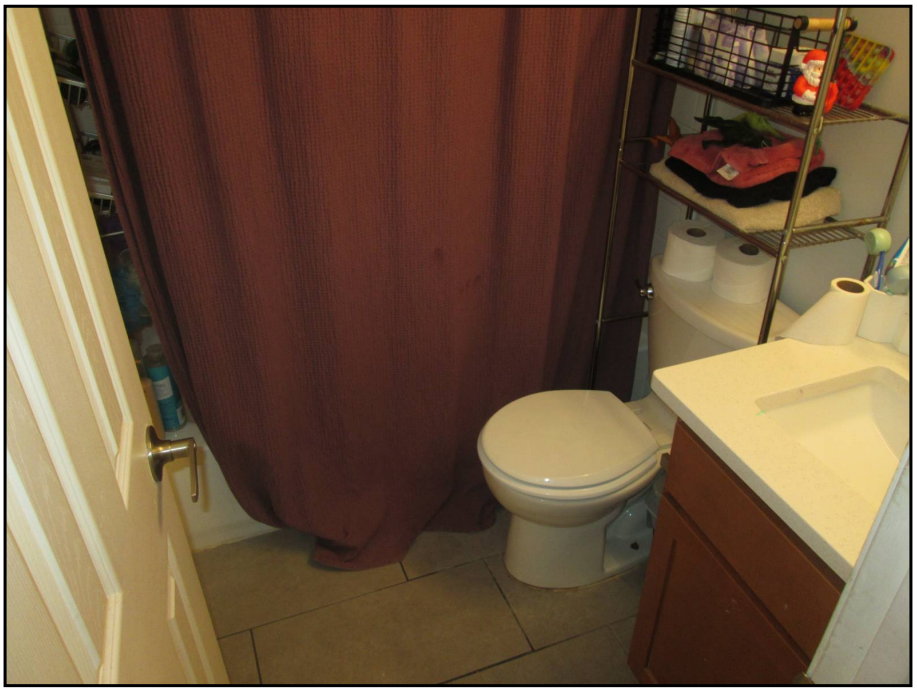
22: View of the undeveloped wooded land on the northern portion of the subject property



23: View of a typical residential unit living room



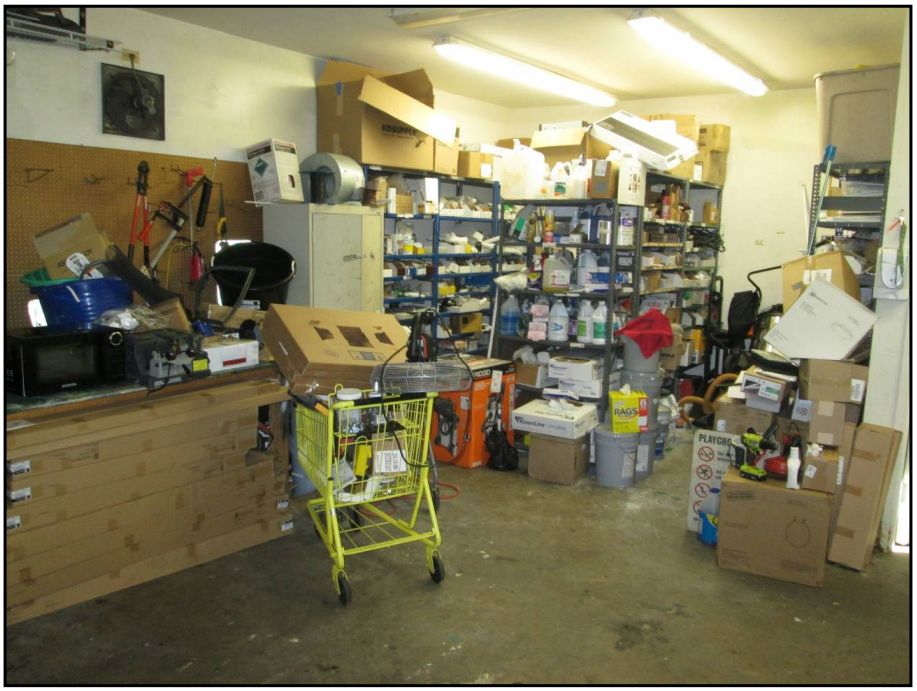
24: View of a typical residential unit kitchen



25: View of a typical residential unit bathroom



26: View of a typical residential unit bedroom



27: View of the maintenance shop within the laundry center



28: View of the bulk stored cleaning products



29: View of a typical subject property solid waste dumpster



30: View of a typical subject property pad-mounted transformer



31: View of a typical subject property playground



32: View of the basketball court



33: View of typical northern adjacent single-family residential



34: View of typical eastern adjacent single-family residential



35: View of the southern adjacent Bay Ridge Market Place Shopping Center



36: View of the southern adjacent Truist



37: View of the western adjacent Shell

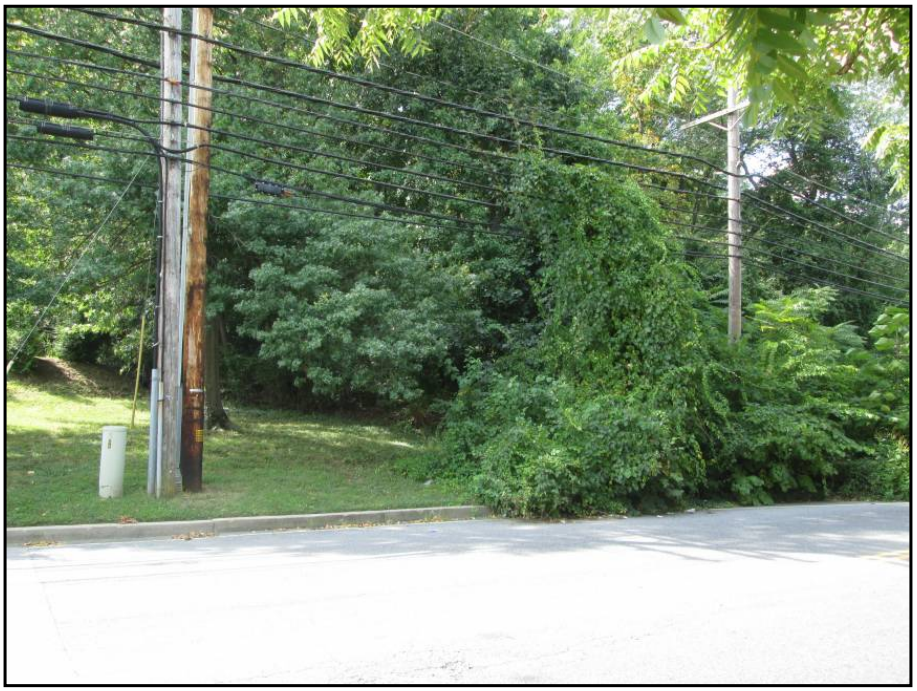


38: View of the western adjacent 120-gallon propane tank located at the Shell



39: View of the western adjacent unnamed shopping center


40: View of the approximately 900-gallon propane AST located at the western adjacent unnamed shopping center



41: View of the western adjacent undeveloped wooded land



42: View of the western adjacent Mt Moriah AME Church



43: View of the western adjacent John Wesley United Methodist Church



44: View of the western adjacent Exxon

Appendix D:

Historical Research Documents

Bay Ridge Gardens

1 Bens Drive

Annapolis, MD 21403

Inquiry Number: 8085597.3

August 21, 2025

Certified Sanborn® Map Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

08/21/25

Site Name:

Bay Ridge Gardens
1 Bens Drive
Annapolis, MD 21403
EDR Inquiry # 8085597.3

Client Name:

Dominion Environmental Group, Inc
201 Wylderose Drive
Midlothian, VA 23113
Contact: Victor Lucas

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Certified Sanborn Results:

Certification # FC03-48C0-83EC

PO # HPS-ENV

Project 2025-001713

UNMAPPED PROPERTY

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- ☑ Library of Congress
- ☑ University Publications of America
- ☑ EDR Private Collection

The Sanborn Library LLC Since 1866™

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Bay Ridge Gardens

1 Bens Drive

Annapolis, MD 21403

Inquiry Number: 8085597.5

August 21, 2025

The EDR Aerial Photo Decade Package

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

EDR Aerial Photo Decade Package

08/21/25

Site Name:

Bay Ridge Gardens
1 Bens Drive
Annapolis, MD 21403
EDR Inquiry # 8085597.5

Client Name:

Dominion Environmental Group, Inc
201 Wylderose Drive
Midlothian, VA 23113
Contact: Victor Lucas

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Search Results:

Year	*Scale*	*Details*	*Source*
2023	1"=500'	Flight Year: 2023	USDA/NAIP
2018	1"=500'	Flight Year: 2018	USDA/NAIP
2015	1"=500'	Flight Year: 2015	USDA/NAIP
2011	1"=500'	Flight Year: 2011	USDA/NAIP
2007	1"=500'	Flight Year: 2007	USDA/NAIP
1994	1"=500'	Flight Year: 1994	USGS/DOQQ
1989	1"=500'	Flight Year: 1989	USGS/DOQQ
1982	1"=500'	Flight Date: March 24, 1982	USDA
1977	1"=500'	Flight Date: March 24, 1977	USGS
1960	1"=500'	Flight Date: February 03, 1960	USGS
1952	1"=500'	Flight Date: July 02, 1952	USDA
1943	1"=500'	Flight Date: April 25, 1943	USDA

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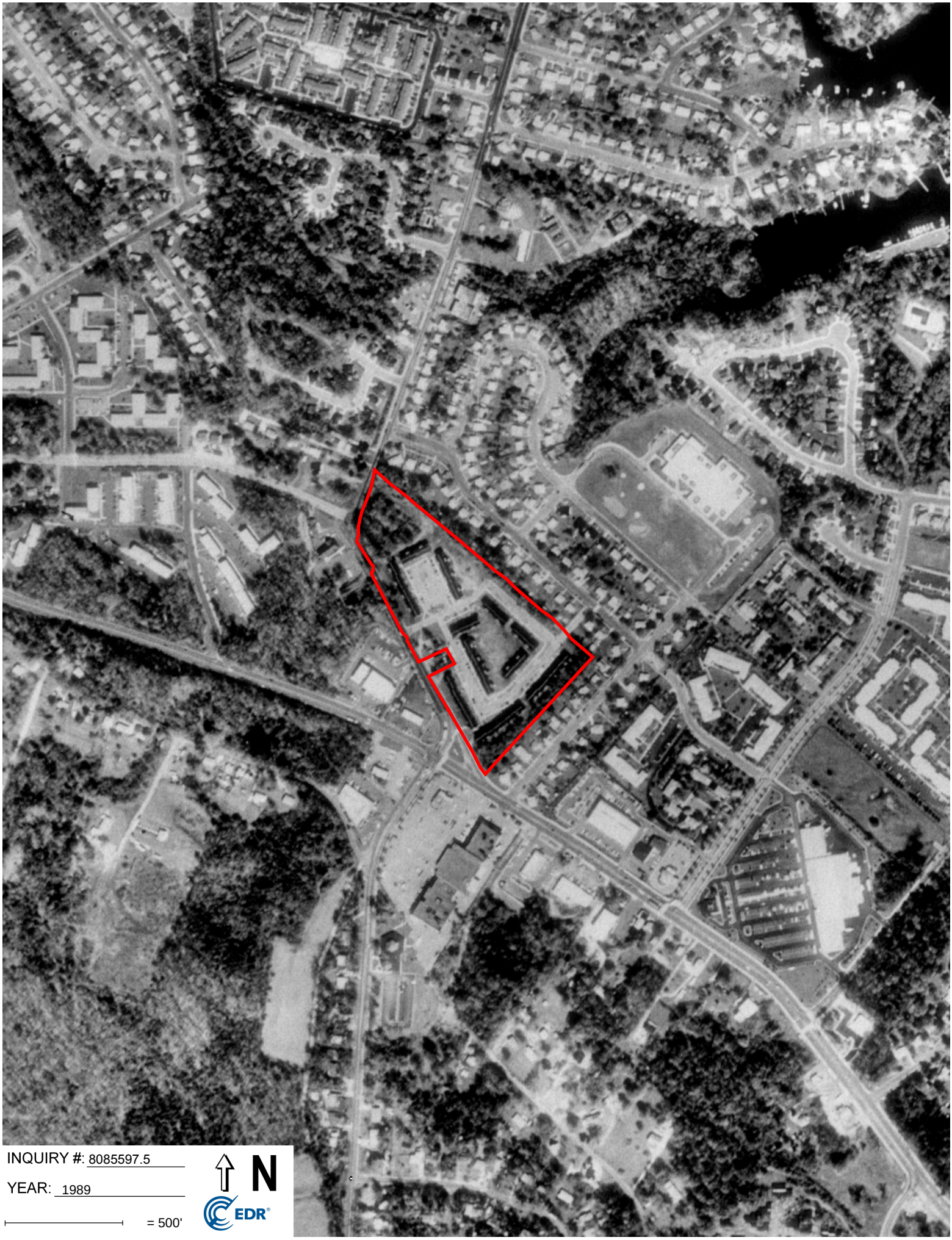

INQUIRY #: 8085597.5
YEAR: 1943
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 1952
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 1960
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 1977
= 500'
N
EDR


INQUIRY #: 8085597.5
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= 500'
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EDR


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YEAR: 1989
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 1994
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 2007
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 2011
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 2015
= 500'
N
EDR


INQUIRY #: 8085597.5
YEAR: 2018
= 500'
N
EDR



INQUIRY #: 8085597.5

YEAR: 2023

= 500'

N

EDR

Bay Ridge Gardens
1 Bens Drive
Annapolis, MD 21403

Inquiry Number: 8096441.1
September 05, 2025

The EDR-City Directory Image Report

EDR® Environmental Data Resources Inc

6 Armstrong Road
Shelton, CT 06484
800.352.0050
www.edrnet.com

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SECTION

Executive Summary

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City Directory Images

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available business directory data at approximately five year intervals.

RECORD SOURCES

The EDR City Directory Report accesses a variety of business directory sources, including Haines, InfoUSA, Polk, Cole, Bresser, and Stewart. Listings marked as EDR Digital Archive access Cole and InfoUSA records. The various directory sources enhance and complement each other to provide a more thorough and accurate report.

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RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. A check mark indicates where information was identified in the source and provided in this report.

Year	*Target Street*	*Cross Street*	*Source*
2022	☑	☑	EDR Digital Archive
2017	☑	☑	Cole Information
2014	☑	☑	Cole Information
2010	☑	☑	Cole Information
2005	☑	☑	Cole Information
2000	☑	☑	Cole Information
1995	☑	☑	Cole Information
1991	☑	☑	Stewart Directories Inc
1986	☑	☑	Stewart Directories Inc
1981	☑	☑	Stewart Directories Inc
1976	☑	☑	Stewart Directories Inc
1971	☐	☑	Greenberry Publications
1966	☐	☑	Greenberry Publications
1961	☐	☑	Greenberry Publications
1956	☐	☑	Greenberry Publications

FINDINGS

TARGET PROPERTY STREET

1 Bens Drive
Annapolis, MD 21403

Year	*CD Image*	*Source*	
BENS DR			
2022	pg A9	EDR Digital Archive	
2017	pg A16	Cole Information	
2014	pg A23	Cole Information	
2010	pg A31	Cole Information	
2005	pg A40	Cole Information	
2000	pg A48	Cole Information	
1995	pg A54	Cole Information	
1991	pg A60	Stewart Directories Inc	
1986	pg A65	Stewart Directories Inc	
1986	pg A66	Stewart Directories Inc	
1981	pg A71	Stewart Directories Inc	
1976	pg A76	Stewart Directories Inc	
1976	pg A77	Stewart Directories Inc	
1971	-	Greenberry Publications	Street not listed in Source
1966	-	Greenberry Publications	Street not listed in Source
1961	-	Greenberry Publications	Street not listed in Source
1956	-	Greenberry Publications	Street not listed in Source

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*

BAY RIDGE AVE

2022	pg. A2	EDR Digital Archive
2017	pg. A13	Cole Information
2014	pg. A20	Cole Information
2010	pg. A28	Cole Information
2005	pg. A37	Cole Information
2000	pg. A44	Cole Information
1995	pg. A51	Cole Information
1991	pg. A57	Stewart Directories Inc
1986	pg. A62	Stewart Directories Inc
1981	pg. A68	Stewart Directories Inc
1976	pg. A73	Stewart Directories Inc
1971	pg. A80	Greenberry Publications
1966	pg. A82	Greenberry Publications
1961	pg. A84	Greenberry Publications
1956	pg. A86	Greenberry Publications

BAY RIDGE RD

2022	pg. A4	EDR Digital Archive
2017	pg. A14	Cole Information
2014	pg. A21	Cole Information
2010	pg. A29	Cole Information
2005	pg. A38	Cole Information
2000	pg. A45	Cole Information
1995	pg. A52	Cole Information
1991	pg. A58	Stewart Directories Inc
1991	pg. A59	Stewart Directories Inc
1986	pg. A63	Stewart Directories Inc
1986	pg. A64	Stewart Directories Inc
1981	pg. A69	Stewart Directories Inc

FINDINGS

Year	CD Image	Source	
1981	pg. A70	Stewart Directories Inc	
1976	pg. A74	Stewart Directories Inc	
1976	pg. A75	Stewart Directories Inc	
1971	-	Greenberry Publications	Target and Adjoining not listed in Source
1966	-	Greenberry Publications	Target and Adjoining not listed in Source
1961	-	Greenberry Publications	Target and Adjoining not listed in Source
1956	-	Greenberry Publications	Target and Adjoining not listed in Source

FOREST DR

2022	pg. A12	EDR Digital Archive	
2017	pg. A19	Cole Information	
2014	pg. A27	Cole Information	
2010	pg. A36	Cole Information	
2005	pg. A43	Cole Information	
2000	pg. A50	Cole Information	
1995	pg. A56	Cole Information	
1991	pg. A61	Stewart Directories Inc	
1986	pg. A67	Stewart Directories Inc	
1981	pg. A72	Stewart Directories Inc	
1976	pg. A78	Stewart Directories Inc	
1976	pg. A79	Stewart Directories Inc	
1971	pg. A81	Greenberry Publications	
1966	pg. A83	Greenberry Publications	
1961	pg. A85	Greenberry Publications	
1956	pg. A87	Greenberry Publications	

City Directory Images

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

BAY RIDGE AVE 2022

2001	OSCAR WHITE
	VAUGHNITA WHITE
2003	JORDAN MC CALL
	SHILOH MC CALL
2007	ALEXANDER MERLI
	MERLI LAZO
2009	FRANCISCO VARGAS
2011	BELTRAN ARRUE
	ELBA FIGUEROA
2016	KATIE JENSEN
	SHANNON JENSEN
	TAYLOR JENSEN
2020	GLORIA AGUILERA
2100	MARVA HENSON
2102	HENSON HAULING
	KASEY HENSON
	TROY HENSON
	VALERIE HENSON
2104	PAUL CRIBARI
	TROY HENSON
	VAN HENSON
2106	MARIA VERDE
	MIGUEL CORTEZ
2108	ALBERTO QUINTANILLA
	ALMA LARK
	CHRISTOPHER THOMPSON
2110	ROBERT BONTEMPO
2112	PAMELA WILLIAMS
	RACQUEL GRANT
	TONI BROWN
2114	IGLESIA EVANGELICA APOSTOLES Y PROFETAS JAHSHUA
	JERRY CULVER
	JOHN WESLEY UNITED METHODIST CHURCH
2145	JESUS PINEDA
2204	CARRINGTON CARTER
	MOUNT MORIAH AME CHURCH
2232	BILAL IFTIKHAR
	BILAO IFTIKHER
	NATIONAL DISTRIBUTOR LLC
	SHELL FOOD MART
2238	ANNAPOLIS PROPERTY SERVICE
	KATHERINE BURKE
2240	ADVANTAGE SAILS
	DOYLE CHESAPEAKE SAILMAKERS
	TODD BAKER
2244	BAY RIDGE ANIMAL HOSPITAL
2246	ANNAPOLIS CAT HOSPITAL
	BAY RIDGE ANIMAL HOSPITAL
	ELISE POWELL
	ELISE REARDON POWELL DVM

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

BAY RIDGE AVE 2022 (Cont'd)

2248	ANNAPOLIS CAT HOSPITAL
	NORELLA ROGERS
	SUSAN L LONGO DVM
	SUSAN LONGO
2249	SHU ZHENG
2250	LEAH KNAPP
	LEAHS DOG SALON
2251	ANDREA WILLIAMS

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

BAY RIDGE RD 2022

891	AMERICAN NAILS
	ANDY CAN
893	ADMIRAL CLEANERS INC
	JENA OWENS
895	RAY BURROWS
	SUBWAY
897	MCDONALDS
	MELINDA JONES
901	AMERICA POSTAL
	ARIZONA CROWS NEST LLC
	CHARLES DAD
	CONSULTITUDE
	CORINNA MAGEE
	MAGEE PROPERTY MANAGEMENT SERVICES
	METRO BY T-MOBILE
	TONY HERNANDEZ
	YWP
903	GILL SADAR
	POPEYES CHICKEN & BISCUITS
	VAPE180 VAPE180
905	ERICK ZAIN
	JOY LUCK DELIVERY
907	CALIENTE GRILL
	EASTPORT BARBER SHOP LLC
	IRMA RODRIGUEZ
	RAUL RODRIGUEZ
	SUPER CALIENTE LLC
909	VOCELLI PIZZA
911	BLESS CLEANERS-BAY RIDGE SQUARE
	JONG LEE
	LYNN MCCREARY
	RITAS ICE-CUSTARD-HAPPINESS
914	AAP DRIVING SCHOOL
	ACADEMY FLOWER SHOP
	ACBB-BITS
	ACCESS WELLNESS HEALTHCARE
	ASHLEY CLAIR
	BESS FREEDLANDER
	BOYD & BOYD DENTISTRY
	CHRISTINE LASSER
	CHRISTOPHER ANDERSON
	CHRISTOPHER W ANDERSON DDS
	CLIFF MASSEY
	COMMUNITY FOUNDATION ANNE ARUNDEL COUNTY
	COMMUNITY FOUNDATION OF ANNE ARUNDE
	COMMUNITY FOUNDATION OF ANNE ARUNDEL COUNTY
	COMMUNITY FOUNDATION OF ANNE ARUNDEL COUNTY INC
	CYNTHIA REED-BOYD
	DAN CROSS
	DAVID JOHNSON

BAY RIDGE RD 2022 (Cont'd)

914	DOUG MARKS
	DR DAVID L JOHNSON
	FITNESS STUDIO OF ANNAPOLIS
	GATEWAY FLORIST
	GEM IN EYE
	HOLLAND LAW FIRM PC
	JADE ADAMSON
	JANAI HALL
	JIM WAGNER
	JOAO M ALVAREZ L AC
	KATHY FLOAM
	KRISTEN KRALL
	LEE GREEN
	MAIN INGREDIENT
	MARYANN GOSNELL
	MASON STRATEGIC ADVISORS
	MELINDA BERGE
	NAKIA SMITH
	NANCY THOMPSON
	NAPTOWN NAILS
	PERSISTENCE FARM
	PETER HOLLAND
	POMERANTZ MARKETING
	REED-BOYD, CYNTHIA Y DDS
	RESEARCH DIRECTOR INC
	RESEARCH DIRECTOR, INC
	RISQUE HAIR AND NAIL SALON
	STAR CLASS NATIONAL
	TERESA WILLIAMS
	THE FITNESS STUDIO OF ANNAPOLIS
	THE POMERANTZ AGENCY
	THOMAS HOGAN
	UNIVERSITY OF MD
	VITALITY ACUPUNCTURE AND WELLNESS
918	ANNE HAHN
	DETAILS OF DESIGN
	FITZSIMMONS DESIGN ASSOCIATES
	FITZSIMMONS DESIGN ASSOICIATES INC
	GINA FITZSIMMONS
	JULIE LUCE
919	CHESAPEAKE MARINE FASTENERS
920	BANK OF AMERICA
	KELLY SYLVESTER
930	ALEC PAUL
	MARC WATCHINSKI
	WELLS FARGO
	WELLS FARGO BANK
931	SHERRIE TYLER
934	DOUG HENDERSON
	ZU COFFEE LLC

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

BAY RIDGE RD 2022 (Cont'd)

936	JESSE SCOTT
	SCOTT BROTHERS WINE & SPIRITS
938	RONALD LEWIS
	SAPPHIRE SALON & DAY SPA
940	CASSIE ASHLEY
	PET VALU
944	VALUE NAILS INC
948	BO WITHERS
	GIANT FOOD
	GIANT FOOD INC PHARMACY
	MARIANNE ROMINES
	PNC BANK
	PNC BANK NATIONAL ASSOCIATION
	PNC FINANCIAL SERVICES
	ROBYN BIERMANN
	RUTH DAVIS
951	ANN PEARSALL
	MARK MOLESKY
	QUANTUM SAIL DESIGN GROUP
	QUANTUM SAIL DESIGN GROUP LLC
	STARBUCKS
954	ROBERT MURPHY
	ROCCOS PIZZERIA
958	ONSITE REPAIRS
	T-MOBILE
975	CVS HEALTH
	CVS PHARMACY
	MATTHEW HOWARD
	UNITED HEALTHCARE
980	7- ELEVEN
	MARY WILBURN
985	DARK HORSE 1 LLC
991	COUNTY OF ANNE ARUNDEL FIRE DEPARTMENT 8
1009	BRU-MAR GARDENS LLC
	BRUCE MARTIN
	DOUGLAS DIEHL
1071	BAY RIDGE CHRISTIAN CHURC
	BRET HICKS
1072	HANNAH GOSZKOWSKI
	LUCY GOSZKOWSKI
	PAUL GOSZKOWSKI
1076	EDWARD KEEGAN
	JEANNE KEEGAN
	MARGARET KEEGAN
	SHAUN KEEGAN
1078	ADMIRAL LIQUOR CONSULTING INC
	BEVERLY RAMBO
	MEGAN RAMBO
	MEGHAN RAMBO
	MICHAEL FLANAGAN

BAY RIDGE RD 2022 (Cont'd)

1078 REX RAMBO
ROGER RAMBO
1092 GARDEN ARTISANS
JANET KIRKPATRICK
LAWRENCE HERBERT
1120 BAY RIDGE NURSERY
BAY RIDGE NURSERY AND LAN
BRET HICKS
BRICKWORKS INC
CHARLES SIANE
CINDY KIM
DAVID KIM
ENVIRONMENTAL LANDCARE LLC
ENVIRONMENTAL LANDSCAPES
JANICE PEPERSACK
JOHN LEAGUE
LORI ALTON
TREVOR WISE
1122 JIMMY RIGGS
WALTER MURPHY
1124 CHRISTINE CORRADINI
DARRELL CORRADINI
DEBRA CORRADINI
GERALDINE CORRADINI
JENNIFER CORRADINI
KEVIN CORRADINI
LISA CORRADINI
1126 DR. J. CATER ECONOMIC CONSULTA
JOSEPH CATER
JOSEPH ECATER
MARKET-ECONOMICS INC
1127 ELIZABETH GREENBERG
EMILY GREENBERG
FREDRIC GREENBERG
JENNIFER GREENBERG
KATHERINE GREENBERG
1128 ALI MACDONALD
ALISON MACDONALD
WILLIAM MACDONALD
1130 CHRISTOPHER GERRIOR
PHILIP GERRIOR
TONI GERRIOR
1132 COLIN GRIFFIN
KIMBERLY O'BRIEN
MICHAEL O'BRIEN
TONI GERRIOR
1135 ALBA ROJAS
ALBERTO ROJAS
CHRISTINE ROJAS
DANIELLA ROJAS

BAY RIDGE RD 2022 (Cont'd)

1135 HAMMERSMITH
MARIO ROJAS
1137 DANIEL ANGLE
LIZ ANGLE
NANCY ANGLE
RYAN ANGLE
WASHINGTON ANGLE
WILLIAM ANGLE
1138 ELIZABETH HAYWARD
1139 NORMA KALADAS
PAUL KALADAS
1141 HEATHER BEAVER
WILLIAM BEAVER
1144 CYNTHIA LATHAM
ROBERT LATHAM
1150 CARA CERONE
JOSEPHINE CERONE
LISA CERONE
PASQUALINO CERONE
PATRICK CERONE
1165 CARLOS CULLY
1167 JUANITA BANNER
SUZETTE BANNER
1169 AMANDA WALLICK
KYLE WALLICK
1173 TERESA RILEY
1175 ANN WINTERS
1177 BEVERLY PADDY
CARL PADDY
MARIO BARGNESI

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BENS DR 2022

1	BAYRIDGE GARDENS APT C
	ERIKA ANELLO
2	AMY WILLIAMS
	BRIAN JACKSON
	DIOR SMITH
	FRAN HINSON
	JERMANE MCDONALD
	WILLIAM PRATT
4	ANDRIA LATTIMORE
	ANGELA WHITE
	METACHA ABLE
	ROBIN SCOTT
	ROCHELLE PARKER
	SHANNON OXENHAM
6	ALAHANDRO POWE
	AYANA SHANNON
	CODY JUBA
	HARRY JOHNSON
	HENREDA TASKER
	HENRIETTA TASKER
	NIKITA BALLINGER
	TARIUS TASKER
8	ANTIWAN GRAY
	BILAN BRUCE
	CANNEKA TURNERHALL
	DAVID JOHNSON
	LATALYA JOHNSON
	LATRESHA WEEMS
	LORRIE JOHNSON
	TAWANA GRAY
	TYRA SEMBLY
	TYRA SEMVLY
9	AISHA MOULDEN
	DEE MABLE
	JEWEL BOWLDING
	KAREN BOWLDING
	LY TRUNG
	MARCEL BOWLDING
	MICHAEL GRAVES
	OSIRIS LIVELY
10	ALICIA ROSS
	ARIS THOMPSON
	CAROLYN WEST
	DOROTHY THOMPSON
	LILLIAN SMITH
11	CIARA MOULDEN
	MARTHA BROOKS
	RAENEKIA ROCKINGHAM
	RAYSHAWN ROCKINGHAM
	STEPHANIE ROCKINGHAM

BENS DR 2022 (Cont'd)

11	TIFFANY PRENDERGAST
12	AKELA CRANKFIELD
	CHARITY JONES
	DAYONNA PARKER
	DORIE POWELL
	EBONIE MATHIS
	NICOLE KELLEY
	WAVERLEAN GLENN
13	DONNA POWE
	IRA DENNIS
	KELIESHA POWE
	MILES MONROE
	PATRICIA HOLLAND
14	ASHLEY JOHNSON
	CASSANDRA WATKINS
	COURTNEY COOPER
	SHERDINA STEVENS
	SHERRY STEVENS
	SOPHIA HARRISON
15	NICOLE PORTER
	RILEY MEDLEY
16	DAJAE BANKS
	DONNA EADES
	ISHA MACKALL
	KAY JAMES
	SYRETTA CROWNER
	TORY JAMES
	TROY JAMES
17	ANTHONY HARPER
	ROSA SNOWDEN
	THELMA BOOTH
18	CAROLYN HARLAND
	CASSONDRA WATKINS
	CHAUNTRICE SMITH
	DELLISA TALLEY
	PAMELA WALLACE
	TASIA GRAY
19	ANGELA STEED
	CHANEL PARTON
	DIANA HOLLAND
	LATRINA BLOOMER
	MYESHIA PRATT
	SHAWNTE PARTON
20	JACQUELINE MIDDLETON
	LARRY LINDSWY
	NIVIA NUTTER
	SHERIKA JOHNSON
	SHERMEKIA COLLINS
	TYNIA SURGEON
	TYRIA SURGEON

Target Street	Cross Street	Source
✓	-	EDR Digital Archive

BENS DR 2022 (Cont'd)

20	URIKA HOWE
21	FILOMENA PORTILLO
	HARIET EDWARDS
	JOSEPH ROGERS
	KYRA WILSON
	LINDA ROGERS
	MICHAEL SIMMS
	SANDRA RANDALL
	TARSHA WILSON
22	ALBERT ODURO
	DONTAE FOOTE
	KYRIS RANDALL
	LATIFAH WHITE
	NICOLE LEWIS
	SHAWNTA HARRIS
	SIERRA SELLMAN
	TY JOHNSON
23	CARL WHITMORE
	CRYSTAL GILCHRIST
	KAMIYA COATES
	KIERA MCGOWAN
	NIKIA THOMAS
	TAE MONEI
24	DOROTHY MANNING
	GALEN WATTS
	GLORIA REED
	JEMAUD KASEY
	RENAY SAVOY
	TEREN POOLE
25	CANDICE PETTIGREW
	HERBERT MILLER
	LISA LOWE
	MICHEAL YOUNG
	REID ABNEY
	SHAWANDA COATES
27	EDNA HICKS
	JUAN JOHNSON
	LATOYA HALL
	TANIKA HASKINS
29	ALMA MCKIVER
	CHARLISA BROWN
	ERIC MCKIVER
31	CHANEL LARKINS
	DEBRA SMITH
	LATECCE SMITH
	SHAVERA MCLAURIN

Target Street	Cross Street	Source
-	✓	EDR Digital Archive

FOREST DR 2022

912	CASEY KOHLER
	DEBBIE REMALEY
	K&B TRUE VALUE
	K&B TRUE VALUE IN ANNAPOLIS MARYLAND
	TRUE VALUE THE HARDWARE HOUSE
914	ALLSTATE
	ALLSTATE INSURANCE
	ANNAPOLIS PROPERTY SERVICES
	ANNAPOLIS PROPERTY SERVICES LLC
	ANNAPOLIS SEAFOOD
	CHESAPEAKE SHORTHANDED SAILING SOCIETY INC
	JOSEPH GILLIS
	KRISTINA MORRIS
	RENEE KING
	ROBERT AMATO
	VIRGINIA SCIARRA
1000	ANNAPOLIS CHANGE
	JAPAN PLUS FOURS INV
	QUIET WATERS EXXON
1070	PEGGY MEYER
1100	CHARLES EASTON
	LAVERNE EASTON
	MARCO EASTON
1108	ACCOUNTING TAX & FINANCIAL SERVICES
	LAKESHIA HOOPER
	MICHAEL MAHOLCHIC
1112	JOSE AYALA
	ROSADELLA AYALA
1114	KEVIN ESCALON
1200	JOHN SMITH
1204	ROBERT WILSON
1210	ADMIRAL TIRE & AUTO CENTER
	BOB WILSON
	CHRIS LEE
	EDGEWATER TIRE CENTER INC
	NET
	STEVE JAAP

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE AVE 2017

2001	PARLETT, JACK K
2005	YORK, JOHN
2007	JURECKSON, ERICA M
2009	VARGAS, FRANCISCO A
2011	AGUILAR, ELVA
2016	JENSEN, SHANNON L
2020	AGUILERA, JOSE D
2100	HENSON, GORDON V
2102	HENSON, TROY G
2104	HILL, JOHNATHAN W
2106	CORTEZ, MIGUEL A
2108	ESCOBARLOPEZ, LORENA
2110	POWELL, EDWARD S
2112	WILLIAMS, THOMAS T
2114	JOHN WESLEY UNITED METHODIST CHURCH
2145	JOHNSON, TONI J
2204	MT MORIAH AME CHURCH
2232	ONE ON ONE LOCKSMITH
	SHELL
2240	CURVES
2242	BIG LLC GOURD
	STUDIO STYLES BY RSM
2244	ANNAPOLIS CAT HOSPITAL
2248	ANNAPOLIS CAT HOSPITAL
	SUSAN LONGO DVM
2249	PARKER, DAMIEN
2250	LEAHS DOG SALON

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2017

891	AMERICAN NAILS
893	ADMIRAL INC
895	SUBWAY
897	DAY & NIGHT LOCKSMITH
	REDBOX
901	AMERICA POSTAL
	AMERICAN NAILS
	MBD RESTORATION
	UHAUL
903	VAP180 VAPE180
905	JOY LUCK DELIVERY
909	ON TIME LOCKSMITH
911	BLESS CLEANERSBAY RIDGE SQUARE
	RITAS
914	ALLNEWSCO INC
	BOYD & BOYD DENTISTRY
	CLIFFORD W CUNIFF ATTY
	COMCAST
	COMMUNITY FOUNDATION OF ANNE ARUNDEL
	GATEWAY TO ANNAPOLIS
	JAVA HAIR & NAIL SALON
	JERRYS SUBS & PIZZA
	NATIONWIDE
	ROSEMARYS TOTAL HAIR & BODY CARE
	THE FITNESS STUDIO OF ANNAPOLIS
	THE GATEWAY FLORIST
	THE MAIN INGREDIENT
	THE POMERANTZ AGENCY
918	FITZSIMMONS DESIGN ASSOC INC
	FITZSIMMONS DESIGN INC
920	BANK OF AMERICA FINANCIAL CENTER
930	WELLS FARGO BANK
934	ZU COFFEE
936	SCOTT BROTHERS WINE & SPIRITS
939	LANNON, CRAIG A
940	PET VALU
944	SLEEK NAILS & SPA
	VALUE NAILS INC
946	GREAT CLIPS
948	CLINTON LOCKSMITH
	PNC BANK
	REDBOX
951	QUANTUM SAIL DESIGN GROUP
954	ROCCOS PIZZERIA
956	BAY FOREST CLEANERS
958	EL HABANERO
960	JACKS FORTUNE INC
	JACKS FORTUNE RESTAURANT
980	7ELEVEN
985	EBB TIDE ICE

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2017 (Cont'd)

985	EBBTIDE TAVERN
1009	BRU MAR GARDENS LLC
1071	BAY RIDGE CHRISTIAN CHURCH
1072	GOSZKOWSKI, PAUL H
1076	KEEGAN, JEANNE M
1078	ADMIRAL LIQUORS
	BLACKWOOD, HAROLD E
1092	KIRKPATRICK, LAWRENCE J
1114	VIGLIOTTI, MATTHEW J
1120	ALTON ENTERPRISES LLC DBA BAY RIDGE
	ENVIRONMENTAL LANDSCAPES
	KIM, DAVID
1122	RIGGS, JIMMY W
1124	CORRADINI, CHRISTINE N
1126	CATER, JOSEPH E
1127	GREENBERG, FRED C
1128	MACDONALD, WILLIAM B
1130	GERRIOR, CHRISTOPHER L
1135	HAMMERSMITH
	ROJAS, ALBERTO M
1137	ANGLE, WILLIAM R
1138	AUGUSTI, CHRIS S
1139	KALADAS, PAUL M
1140	HOUSLEY, ROSE M
1150	CERONE, PAT
1151	TIRSCHMAN, MARIA A
1165	CULLY, CARLOS A
1167	BANNER, SUZETTE C
1173	CABARAL, FRANK J
1177	WINTERS, ANN M

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2017

1	BAY RIDGE GARDENS
2	HARWELL, LANDIS
	HINSON, FRAN F
	MCDONALD, JERMAINE
	WILLIAMS, AMY
4	HERNDON, MONIQUE P
	JENNIFER, AMBER
	LATTIMORE, ANDRIA
	PARKER, ROCHELLE
	SCOTT, ROBIN D
	TYLER, LEMUEL K
	WHITE, ANGELA
6	BALLINGER, NIKITA S
	BAY RIDGE GARDENS
	DAY, MONIE
	POW, SHAKA
	PRATT, E
	QUEEN, ALTHEA
	TASKER, TARIUS
	WILKERSON, DAVID
8	BRUCE, BILAN M
	COATES, SHATASSIA
	DORSEY, SHERKETA
	FORRESTER, SHERICO
	JOHNSON, EASEAN
9	BIAS, M
	BOWLDING, MARCEL L
	GREEN, MONGO
	LIVELY, OSIRIS
	SIMMS, RHONDA
	SMALLWOOD, LAURA
	SMITH, DARRIO
	THOMPSON, RASHIDA
	TRUNG LY
	TRUNG, LY
10	HILL, STERLENE
	QUINTANILLA, BLANCA
	ROSS, ALICIA
	SMITH, LILLIAN V
	THOMPSON, DOROTHY L
	WEST, CAROLYN D
11	BAY RIDGE GARDENS
	BRADFORD, TAMARA M
	MACKALL, MARKITA
	MATTHEWS, KHIREN
	MATTHEWS, TAYIO
	PRENDERGAST, TIFFANY
	ROCKINGHAM, STEPHANIE
12	BAY RIDGE GARDENS
	BOWSER, LENESE

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2017 (Cont'd)

12	BRAUN, BARNES L
	GLENN, WAVERLY D
	HAMILTON, LYDIA
	JORDAN, DIANE
	MARSELLAS, CHRISTOPHER M
	MURRAY, DYNEASH
13	COMMODORE, ADAM
	EVANS, AMY M
	HOLLAND, BRIAN P
	POWE, KELIESHA L
	WILLIAMS, JYASMINE
14	BANKS, ASHLEE
	HARRISON, SOPHIA
	STEVENS, SHERDINA R
	WATKINS, WALTER
	WILSON, LAMAR
15	HORNE-OFFER, MICHELLE
	OFFER, MICHELLE
	PORTER, NICOLE
	SAUNDERS, SHEVENIA L
	TURNER, ALFREDA
16	ABNEY, LOGAN A
	CARTER, ASHLEY
	COATES, JAMES
	EADES, DONNA E
	HAGGINS, CORDELL
	HEBROM, J
	JAMES, JAYCE
	JAMES, TROY
	LOMAX, BRIAN
	MACKALL, ISAIAH
	SLAUGHETER, RAYMONED
	WILLS, KEYSHIA
17	BOOTH, THELMA V
	ENGRAM, CHARDONNAE
	LEWIS, ALICIA
	LOWE, ROBERTA A
	SNOWDEN, MORRIS J
18	BROWN, TODD
	CHEW, DONALAD
	HARLAND, CAROLYN
	SMITH, CHAUNTRICE
	WALLACE, CHELSEA
	WALLACE, PAMELA
19	CRANKFIELD, LINDSEY
	MONROE, MILES
	PARTON, SHAWNTEE
	STEED, ANGELA
20	COLLINS, MARCUS
	DOWNES, LAWANDA A

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2017 (Cont'd)

20	HOWE, GARY
	HOWE, URIKA
	JOHNSON, JUSTEN
	JOHNSON, NIYAH
	SCOTT, JOHNTHAN
21	DAILEY, WALTER
	GROSS, BERNARD
	RANDALL, SANDRA M
	ROGERS, JOSEPH G
22	BROOKS, MARTHA
	CURTIS, LACANDICE
	GALLOWAY, BRENDA L
	HARRIS, SHAWNTA L
	HURLEY, THERESA
	LEWIS, NAKESIA R
	WHITE, LATIFAH
23	COATES, KAMIYA
	RUE, MIAFAYE
	TAYLOR, GLORIA
24	BRAUN, LEANNA M
	KANE, JAKIA
25	COATES, SHAWANDA
	HUNT, CELSEY
	MASON, DION
	PETTIGREW, CANDICE
	SMITH, AARON
	SMITH, MICHAEL
27	CHURCH, MICHELLE
	HEBRON, JOSEPH R
	HICKS, ASHLEY
	HOWARD, CRAIG
	LITTLE, BARBARA
	MANNING, DOROTHY
	TEAL, MYKELLE
29	JOHNSON, KENDRA M
	TAYLOR, TRAVON C
	THOMPSON, ADRIAN
	TURNER, CHRISTOPHER
	YOUNG, SADE
31	EVANS, CARL D
	FLETCHER, GWENDOLYN
	HALL, JENNIE L
	KASEY, JAWAUN
	LARKINS, CHANEL Y
	LARKINS, JOHN
	PACK, EMMA S
	PULLIAM, GLENNA
	SMITH, LATECCE

Target Street	Cross Street	Source
-	✓	Cole Information

FOREST DR 2017

912	TRUE VALUE
914	ANNAPOLIS SEAFOOD
	DIRECT GENE
	HALPERN ARCHITECTS
	PROMPT GARAGE DOORS
	QUANTUM COFFEE INC
1000	EXXON
	JAPAN PLUS FOUR INC DBA QUIETWATER E
1100	SPRINGER, LOLETA M
1108	ACCOUNTING TAX & FINANCIAL SERVICES
	CHEW, DONALD
1207	AMOCO FOOD SHOP
	BP
1210	ADMIRAL TIRE
	ADMIRAL TIRE & AUTO CENTER
	ADMIRAL TIRE & AUTO PARTS OF ANNAP
	ANNAPOLIS TIRE & AUTO

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE AVE 2014

2001	WHITE, OSCAR S
2003	OCCUPANT UNKNOWN,
2005	YORK, JOHN
2007	OCCUPANT UNKNOWN,
2009	MCMULLEN, SEAN G
2011	CUELLAR, BELTRAN
2016	JENSEN, SHANNON L
2020	OCCUPANT UNKNOWN,
2100	HENSON, GORDON W
2102	HENSON, TROY G
2104	HILL, JOHNATHAN W
2106	CORTEZ, MIGUEL A
2108	THOMPSON, AARON
2110	POWELL, EDWARD S
2112	OCCUPANT UNKNOWN,
2114	JOHN WESLEY UNITED METHODIST CHURCH
2145	SMITH, SHERRIE R
2204	MT MORIAH AME CHURCH
2232	BAYRIDGE SHELL
	ONE ON ONE LOCKSMITH
2238	USGC
2240	CURVES
2242	BIG LLC GOURD
	STUDIO STYLES BY RSM
2248	ANNAPOLIS CAT HOSPITAL
	LONGO SUSAN DVM
2249	PARKER, DAMIEN
2250	LEAHS DOG SALON
2251	GIBSON, LAMAR

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2014

891	AMERICAN NAILS
893	ADMIRAL INC
895	SUBWAY SANDWICHES
897	DAY & NIGHT LOCKSMITH
	MCDONALDS
901	AMERICA POSTAL
905	JOY LUCK
	JOY LUCK DELIVERY
909	FULL CIRCLE PIZZA LLC
	LITTLE CAESARS
	LITTLE CAESARS PIZZA
	ON TIME LOCKSMITH
911	BLESS CLEANERSBAY RIDGE SQUARE
	RITAS ITAILIAN ICE
914	ALLNEWSCO INC
	BOYD & BOYD DENTISTRY
	CAPITAL BANK OF MD
	COMMUNITY FOUNDATION OF ANNE ARUNDEL
	CUNIFF CLIFFORD W ATTY
	CUNIFF, JUSTIN M
	JERRYS SUBS & PIZZA
	JOHNSON DAVID DR
	JOHNSON DAVID L
	JOHNSON, RONALD L
	JONES COMMUNICATIONS
	NATIONAL LOTTERY LLC
	NATIONWIDE
	POMERANTZ AGENCY THE
	RSRCH DRTR INC
	SOLAR LLC ATLANTIC
	STEPHEN TRATTNER
	TEST COMCAST
	TESTING, VISION
	THE FITNESS STUDIO OF ANNAPOLIS
	THE GATEWAY FLORIST
	THE MAIN INGREDIENT
917	COX, JEFFREY A
918	DETAILS OF DESIGN
	FITZSIMMONS DESIGN ASSOC INC
	FITZSIMMONS DESIGN ASSOICIATES INC
	FITZSIMMONS GINA ASID
920	BANK OF AMERICA
927	OCCUPANT UNKNOWN,
929	SAMARAS, BESSIE
930	WELLS FARGO
	WELLS FARGO BANK
931	OCCUPANT UNKNOWN,
934	ZU COFFEE
936	SCOTT BROTHERS WINE & SPIRITS
938	SAPHIRE COLOR SALON & DAY SPA

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2014 (Cont'd)

938	SAPPHIRE COLOR SALON & DAY SPA
939	LANNON, CRAIG A
940	PET VALU
944	VALUE NAILS INC
945	OCCUPANT UNKNOWN,
946	GREAT CLIPS
948	GIANT FOOD
	PNC BANK
951	QUANTUM SAIL DESIGN GROUP
954	ROCCOS PIZZERIA
956	BAY FOREST CLEANERS
960	JACKS FORTUNE INC
980	7ELEVEN
985	EBB TIDE ICE
1009	BRU MAR GARDENS LLC
1071	BAY RIDGE CHRISTIAN CHURCH
1072	GOSZKOWSKI PAUL H DR
	GOSZKOWSKI, PAUL H
1078	ADMIRAL LIQUORS
	BLACKWOOD, HAROLD E
1092	JAMES, MICHAEL R
1114	OCCUPANT UNKNOWN,
1120	BAY RIDGE NURSERY
	ENVIRONMENTAL LANDSCAPES
	KIM, CINDY K
1122	OCCUPANT UNKNOWN,
1124	CHAFFIN, ROSS
1126	CATER, JOSEPH E
1127	GREENBERG, FREDRIC C
1128	MACDONALD, WILLIAM B
1130	OCCUPANT UNKNOWN,
1131	MORALES, JOSE I
1132	GERRIOR, TONI D
1135	HAMMERSMITH
	ROJAS, ALBERTO M
1137	OCCUPANT UNKNOWN,
1139	KALADAS, PAUL M
1140	HOUSLEY, ROSE M
1141	BEAVER, WILLIAM E
1144	OCCUPANT UNKNOWN,
1150	CERONE, PATRICK G
1151	TIRSCHMAN, LESLIE R
1154	OCCUPANT UNKNOWN,
1165	CULLY, CARLOS A
1167	BANNER, SUZETTE C
1169	CHAYER, JEREMY D
1173	CABARAL, FRANK J
1175	DEVINE, ANN M
1177	CORBY, LAURA A

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2014

1	BAY RIDGE GARDENS
2	GREEN, DAMARIO
	HALL, KAREN
	HARWELL, LANDIS
	HAWKINS, KASSIDEY
	HINSON, FRAN F
	LEMON, TERAY M
	MCDONALD, JERMAINE
4	BLACK, KEITH
	DIGGS, TAYLOR
	HERNDON, MONIQUE P
	LATTIMORE, JENNIFER
	PARKER, ROCHELLE
	QUEEN, KEISHA R
	RANDALL, CHRISTOPHER L
	TAYLOR, VINCENT
	TYLER, LEMUEL K
6	ADAMS, VERNICE
	BALLINGER, NIKITA S
	BAY RIDGE GARDENS
	PASKER, SHANATE
	POW, SHAKA
	POWE, MARIA A
	QUEEN, ALTHEIA
	TASKER, HENRIETTA
	WASHINGTO, YAKIRA
8	DORSEY, SHERKETA
	ISAACS, CIARA B
	ISACS, BRIAN
	PARKER, MABLE
	SHAW, LEERON
	SMITH, DAWN
9	ALFORD, YAMIKA
	FREEMAN, MARVENA
	HEROLDD, DARRLY
	HICKS, NIKEA
	LAHAI, HAWA
	LIVELY, K
	MARKINS, CHANELL
	MOSES, DALANDA
	SIMMS, RHONDA
	TRUNG, LY
10	MURRAY, RAYMOND
	ROSS, ALICIA
	SMITH, LILLIAN V
	THOMPSON, ED
	TURNER, SUCTONIA R
11	BAY RIDGE GARDENS
	DENNIS, TROY
	DOLDEN, ROBERT

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2014 (Cont'd)

11	GRANT, JOAN
	HILLARY, KAREN
	JONES, SHERIE
	ROCKINGHAM, STEPHANIE
12	BOOTH, THELMA
	BROWN, RAMONA C
	CRANKFIELD, AKELA D
	HAMILTON, LYDIA
	JORDAN, DIANE
	MARSELLAS, CHRISTOPHER M
	MURRAY, DYNEASH
	PARKER, DAYONNA C
13	BOOTH, THELMA V
	HOLLAND, BRIAN P
	MARROW, MARY
	PARKER, DAYONNA
	POWE, KELIESHA L
	SMITH, LATECCE
	WHITE, LATIFAH
	WILLIAMS, JYASMINE
14	COATES, MARCEL
	COOPER, COURTNEY
	EDWARDS, DANA
	GREENLEAF, IESHA
	HARRIS, ASHLEY
	JONES, KRISTEN
	MURRAY, FELICIA
	PARKER, TIEMEKA
	STEVENS, SHERRY
	WATKINS, CASSANDRA
15	CHASE, JAMES
	GROSS, ALBERT
	JANEY, AMANDA
	MACKALL, THOMASINA R
	MOTAO, IESHA
	SAUNDERS, SHEVENIA L
	SLAUGHTER, NIKKI
	SMITH, TYNISHA
	SPRIGGS, EMORY
	TURNER, ALFREDA
	WAGNER, ELAINE
16	BLABE, VERONICA
	COATES, JAMES
	FORRESTER, SHERICO N
	GREEN, KRYSTAL
	HEBROM, J
	HEBRON, JOLANDA S
	JAMES, JAYCE
	LIVISTER, SHENIECE
	MAKELL, ISHIA M

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2014 (Cont'd)

16	MORGAN, STACEY
	SCARBOROUGH, DAMIEN
	SMITH, GABRIELLE
17	BUTLER, JANAE
	JONES, RONALD
	LEWIS, ALICIA
	LOWE, ROBERTA A
	OWENS, SYLVIA
	SELLMAN, HOWARD L
18	BAHIR, HUMAIRA
	BLAKE, LEE
	HARLAND, C
	JOHNSON, DASHAWN
	JONES, TODD
	STUBBS, CHARLES
	TOATS, MARCUS
	WILLIAMS, STEPHANIE
19	BLOOMER, LATRINA D
	BROWN, CIERRA
	COLBORN, GABRIEL
	FORRESTER, SHAUNTE
	HOLLAND, DIANA E
	JERNIGAN, CHEYANNE
	NAYLOR, JEAN N
	STEED, ANGELA
20	BADEN, R
	COLLINS, MARCUS
	JOHNSON, SHERIKA M
	MIDDLETON, JACKIE M
	NUTTER, NORWOOD
	SURGEON, TYNIA
21	BAILEY, WALTER
	GROSS, BERNARD
	ROGERS, JOSEPH G
	SEAY, EDWARD M
	WILSON, KYRA M
22	BROWN, MICHEAL
	GALLOWAY, BRENDA L
	HURLEY, THERESA
	MURRAY, NICKI
	RAGSDALE, RUTH
	SHAW, LERON
	WHITE, DAVID
23	COATES, KAMIYA
	GOODE, CHAQUITA
	GREEN, KRYSTLE A
	JONES, ROLEISA P
	MACLIN, JERRELL
	MEDLEY, AMBER
	PARKER, GERARD S

BENS DR 2014 (Cont'd)

24	BRAUN, LEANNA M
	HARRIS, TYRA D
	JOHNSON, LAKESHA M
	JONES, PATRICIA L
	KANE, JAKIA
	SURGEON, DOROTHY
25	ABNEY, REID G
	COATES, SHAWANDA
	JOHNSON, PAUL
	MASON, DION
	SCOTT, CURTIS
	WILLIAMS, LATEEF L
27	BRADFORD, DEMETRIUS
	HALL, LATOYA
	HICKS, ASHLEY
	JACKSON, NATASHA
	MANNING, DOROTHY
	MCKIVER, CORY J
29	BROWN, CHARLISA A
	CAUTHEA, TAKYRA J
	COLT, LION
	CURTIS, ANTWAN
	EDWARDS, DOMINIQUE
	ISAAC, SHARDE
	JOHNSON, KENDRA M
	SCOTT, KIARA
	TURNER, CHRISTOPHER
31	BELK, LAMONICA A
	EVANS, DEBROAH
	FLETCHER, GWENDOLYN
	HALL, JENNIE L
	LARKINS, CHANEL
	PULLIAM, GLENNA
	RANDAL, KYRIS
	SIMMS, BRUCE
	TARR, JONATHEN

Target Street	Cross Street	Source
-	✓	Cole Information

FOREST DR 2014

912 ALLSTATE
TRUE VALUE THE HARDWARE HOUSE
914 FIRST STEP RECOVERY
HALPERN ARCHITECTS
MELESH CONSTRUCTION CO INC
QUANTUM COFFEE INC
ROSLYNNE ROSS ALLSTATE INSURANCE A
STEP RECOVERY FIRST
1000 JAPAN PLUS FOUR INC DBA QUIETWATER E
1070 MEYER, PEGGY
1100 EASTON, MARCO D
1108 ACCOUNTING TAX & FINANCIAL SERVICES
HOOPER, LAKESHIA D
1112 REQUENO, YENDY
1114 GOMEZ, JULIA Y
1200 OCCUPANT UNKNOWN,
1207 MARGALLA TYLER AMOCO INC
1210 ADMIRAL TIRE & AUTO PARTS OF ANNAP
ANNAPOLIS TIRE & AUTO

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE AVE 2010

2001	WHITE, OSCAR S
2003	THOMPSON, S
2007	CARRERA, ORLANDO
2011	CUELLAR, BELTRAN
2020	PORTILLO, CARLOS
2100	HENSON, MARVA L
2102	HENSON, TROY G
2104	HILL, JOHNATHAN W
2106	CORTEZ, MIGUEL A
2108	THOMPSON, AARON A
2110	POWELL, EDWARD S
2112	WILLIAMS, DOUGLAS A
2114	JOHN WESLEY UNITED METHODIST
2204	MT MORIAH AME CHURCH
2232	BAY RIDGE TEXACO
2240	CURVES
2246	ANNE MAXSON ASSOC
	BAY RIDGE ANIMAL HOSPITAL
	BRADFORD CAROL DVM
2248	ANNAPOLIS CAT HOSPITAL
2249	CALLOWAY, MOSE T
	PARKER, KOBIE K
2250	LEAHS DOG SALON
2251	JAMAR, KELLY L

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2010

893	ADMIRAL CLEANERS
895	SUBWAY
897	MC DONALDS
901	AMERICAN NAILS
903	POPEYES CHICKEN & BISCUITS
905	DAVIS DEEJAYS
	JOY LUCK DELIVERY
907	PARTHENON RESTAURANTCARRYOUT
909	VOCELLIS PIZZA
911	BLESS CLEANERS
	RITAS WATER ICE
914	ACADEMY FLOWER SHOP
	ACCT TEST
	ALLNEWSCO INC
	ANNAPOLIS FAMILY DENTISTRY
	ANNAPOLIS PERSONAL TRAINING
	BAVARIA YACHTS
	BOYD & BOYD DENTISTRY
	CHIROPRACTIC LIFESTYLE CLINIC
	COMMUNITY FOUNDATION
	FRIENDS OF THE CHESAPEAKE
	GAMING SOLUTIONS INC
	GATEWAY FLORIST
	JACK HUTCHISON AGENCY
	JERRYS SUBS & PIZZA
	JOHNSON, DAVID L
	JONES COMMUNICATIONS
	MAIN INGREDIENT CAFE
	PAPER GOURMET
	POMERANTZ AGENCY
	RESEARCH DIRECTOR INC
	RESTORATION COMMUNITY DEVMNT
	ROSEMARYS TOTAL HAIR & BODY
	TECH NET INC
	TEST COMCAST
	TRATTNER STEPHEN
	WOLFE, BILL
917	COX, JEFFREY A
918	DETAILS OF DESIGN
	FITZSIMMONS DESIGN ASSOC INC
	FITZSIMMONS, GINA A
920	BANK OF AMERICA
925	C & C LIQUORS
929	SAMARAS, BESSIE
930	WACHOVIA BANK
934	ZU COFFEE
936	SCOTT BROTHERS WINE & SPIRITS
940	PET VALU
942	SECOND LOOK INC
944	VALUE NAILS

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2010 (Cont'd)

948	COINSTAR
	GIANT FOOD
	PNC BANK
951	QUAMTUM SAIL DESIGN
	QUANTUM SAIL DESIGN GROUP LLC
954	ROCCOS PIZZERIA
956	BAY FOREST CLEANERS
958	MEXICAN CAFE TO GO
960	JACKS FORTUNE INC
975	MEXICAN CAFE
980	7ELEVEN
985	EBB TIDE ICE
1009	BRUMAR GARDENS LLC
1071	BAY RIDGE CHRISTIAN CHURCH
1072	GOSZKOWSKI, PAUL H
1076	EUSTAQUIA, AVENDANO
1078	ADMIRAL LIQUORS
	BLACKWOOD, HAROLD E
1092	KIRKPATRICK, LAWRENCE G
1114	SHELTON, GEORGE D
1120	BAY RIDGE NURSERY & GARDEN
	ENVIRONMENTAL LANDSCAPES
	KIM, DAVID
1122	RIGGS, JIMMY W
1124	CHAFFIN, LAUREN P
1126	CATER, JOSEPH E
	MARKETECONOMICS INC
1127	KELLER, MICHAEL W
1128	MACDONALD, WILLIAM B
1131	MORALES, JOSE I
1132	GERRIOR, PHIL P
1135	HAMMERSMITH INC
	REMINGTON, WILLIAM T
1137	MARROW, WILLIAM E
1138	AUGUSTI, ANTHONY J
	STOKES, JOHN E
1140	HOUSLEY, ROSE M
1141	BEAVER, WILLIAM E
1150	CERONE, PATRICK G
1151	TIRSCHMAN, LESLIE R
1165	CULLY, CARLOS A
1167	BANNER, SUZETTE C
1169	ANDERSON, JUDITH M
1173	CABARAL, FRANK J
1175	DEVINE, ANN M
1177	CANIGLIA, MICHELLE

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2010

1	BAY RIDGE GARDENS
2	CARR, FELICE
	CURTIS, DION
	DORSEY, KAREN
	GREEN, DAMARIO
	JOHN, LEE
	MASON, SAMUEL R
	PRATT, WILLIAM
4	ABLE, METACHA
	BULLARD, LON
	JONES, IDA A
	QUEEN, KEISHA R
	TAYLOR, AFSHANA
	TOLER, KENNETH
	TYLER, MARY E
	VERNON, TAREAH S
6	ADAMS, VERNICE
	BALLINGER, AL
	EDWARD, BELINDA
	GALLOWAY, DEIDRA
	JOHNSON, HARRY J
	JONES, SHAWANDA
	POLLACK, TYJAY
	SAVOY, JOEY
	TASKER, HENRIETTA
8	BROWN, KELLY
	GRAY, ANTIWAN
	HARRIS, TRACEY L
	JOHNSON, MIKO M
	ROBERTS, SYLVIA
	SEMVLY, TYRA
	SIMMONS, LYNN
	TURNAGE, ANDRE
	TURNER, CAMNEKA
	WAD, DON
	WILLIAMS, WHITNEY
	WILLIS, UNLISTED
9	BOOTH, THELMA V
	BRANDFORD, A
	HEROLD, CANDISE D
	JEFFERSON, EBONY
	JENKINS, DELONDA
	JENKIS, CATHY
	JOHNSON, JACQUELINE L
	JOHNSON, JAY
	MARKELL, SHANELL
	MARRAY, MABLE
	MITCHELL, KEYORA
	MOSES, DALANDA
	NEIL, SANDRA

BENS DR 2010 (Cont'd)

9	STLOUIS, MARY S
	TRUNG, LY
10	BRAXTON, JOHNNIE
	HALL, JAMES
	HARRIS, DORIS V
	NATER, EUGENE
	PUMPLIN, MARQUISE
	SIMMS, ALBERT
	SMITH, LILLIAN V
	THOMAS, GEORGE
	THOMPSON, KENNETH
	TUMPKIN, CURTIS
	WALTER, JONAE
	WELLS, MARIE
11	BROWN, TODD
	COLMAR, SHANIQUA
	GRANT, ANTWANEIKIKIA
	HILLARY, KAREN
	MOULDEN, KENNETH L
	TURNER, SUCTONIA R
12	BOONE, JOSEPHINE
	BOOTH, GLENDORA
	CRANKFIELD, AKELA D
	HORN, DENISE
	JOHNSON, CHIR
	MARSELLAS, KATHY
	MCGOWAN, CHARITY
	MURRAY, DYNEASH
	POWELL, DORIE A
	WEST, CAROLYN D
13	BOSTON, PATRICIA
	FORD, PAMELA M
	JACKSON, A
	JONES, TAWANDA
	LEWIS, ALICIA
	MONROE, MILES
	SEAY, GLADYS B
	SIMMS, SHENIKA
	SIMS, S
14	GREEN, LAMAR D
	JOHNSON, TARA
	JONES, TIA
	LEMON, RALENE C
	MILLER, SHARON
	NUTTER, SANHYE
	PARKER, GERARD S
	POWE, KELIESHA
	QUEEN, LISA
	SIMMS, VERONICA
	SMITH, BREONNA

BENS DR 2010 (Cont'd)

14	SMITH, EVETTE
	SMITH, KIMBERLY
	SMITH, SHANELL
	SMITH, T
	WASHINGTON, NIKOLE
15	ARNELD, ALICIA
	BROWN, MARTIA D
	FOWLKES, KAMARI
	GROSS, INDIA D
	MACK, ALMENA
	MACKALL, SINA
	SNOWDEN, TIMEKO L
	WILSO, JAITYA S
16	COATES, GREGORY
	HEBROM, J
	HEBRON, JOSEPH R
	HENSON, CHENELL
	MAKALL, I
	MAKELL, ISHIA M
	MCGOWAN, MELISSA
	RANDALL, SYLVIA E
	TASKER, KIONA
	WATTS, NAKEEA
	WILLIAMS, CAMILLIA
17	CONTEE, ANTHONY
	FORD, D
	GALLOWAY, TIMEKA
	HARPER, ANTHONY D
	HICKS, ARTHUR F
	LOWE, ROBERTA A
	MCGOWAN, LAKISHA
	MOORE, D
	WATKINS, DARRELL
18	BAHIR, HUMAIRA
	BLAKE, LEEANDER
	HALL, ASHLEY
	HILTON, J
	HOGANE, ASHLEY
	HOOPER, LAKESHIA
	JONES, DANIELLE
	SIMS, KARA
	WALLACE, CHELSEA
	WATKINS, FRANK U
	WILLIAMS, SHANA
19	BLAKE, DANYIEL A
	BLOOMER, LATRINA D
	DICKERSON, SHERRIE
	HARRIS, LOVELL
	JURNIGAN, CHEYENNE
	NAYLOR, JEAN N

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2010 (Cont'd)

19	PARTON, SHAWNTEE
	SMITH, TIFFANY
	WALLER, KIMBERLY
20	BADEN, R
	BARNETT, NYTIA T
	BATDEN, RICO
	HOLLAND, WILLIAM
	HOWE, URIKA
	JONES, KENSHAHA
	MIDDLETON, JACQUELINE M
	SCOTT, JOHNTHAN
21	JOHNSON, M
	POOLE, TAREN
	RANDALL, SANDRA M
	ROGERS, GARY
	ROGERS, JOSEPH G
22	COATES, DARWIN D
	HONEYDEW, RICHARD
	JOHNSON, IKEENA E
	RAGSDALE, RUTH
	WILLIAMS, AVA
23	BROWN, ERIC
	COATES, CURTIS O
	CRAWFORD, R
	FORRESTER, ANNA M
	GROSS, J
	JOHNSON, LEON
	LEWIS, DAMIR
	MORGAN, GABRIELL
	MOULDEN, AISHA
	PARKER, TRACEY
	SCOTT, ANTHONY G
	SMITH, R
	THOMAS, NIKIA L
	WILLIAMS, LLEWELLYN
24	CARR, GLENN
	DAVIES, SAM L
	HARRIS, TYRA D
	ISSACS, CIARA
	JOHNSON, LAKESHA M
	PERRY, KAREN
	THOMAS, LLOYD
	WATTS, TALEN
25	COATES, SHAWANDA
	COMPTON, PHILLIP
	MASON, PATRICIA A
	SMITH, MICHAEL
	WHEELER, W
	WILLIAMS, SHARMAINE R
27	CARTER, ADRIAN

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2010 (Cont'd)

27	CLARK, KELLY
	EADES, DONNA E
	GIBSON, JANEL
	HASKINS, TANIKA
	JOHNSON, RHONDA
	JONES, DANA
	LAMBB, STACI
	MCKIVER, CORY J
	MOORE, MORGAN
	NUTTER, NIVIA
	PERRY, YU
	SIMMS, REGINALD A
	SMITH, AMERA
	WALKER, JENAE
	WALLACE, CY
29	BROWN, CHARLISA
	CAUTHEA, TAKYRA
	GREEN, DMIER
	HAWKINS, CLARKE
	JOHNSON, KENDRA
	LOUIS, NICOLE
	PATTERSON, ALFONSO J
	SIMMS, AMYIA
	TURNER, JACKIE
31	BELK, LAMONICA
	CONNER, C
	CONNOR, CHARNISE
	FORRESTER, NICOLE
	GALLOWAY, TERRA
	HUDSON, KANISHIA
	HUTSON, K
	MALLOY, LAWRENCE
	POLLACK, TYJAY

Target Street	Cross Street	Source
-	✓	Cole Information

FOREST DR 2010

912	TRUE VALUE HARDWARE
914	ALLSTATE INSURANCE CO
	ANNAPOLIS TRAVEL SVC
	FIRST STEP RECOVERY CTR INC
	HALPERN ARCHITECTS
	QUANTUM COFFEE INC
1000	QUIET WATERS EXXON
1070	WOLFE, EDWARD H
1100	EASTON, LAVERNE A
1104	BITANCOURT, IINS
1108	JAMES, MARY
1112	AYALA, JOSE A
1114	QUINTANILLA, PEDRO A
1200	WILSON, ROBERT F
1210	ANNAPOLIS TIRE & AUTO CTR
	GOODYEAR ANNAPOLIS TIRE CTR

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE AVE 2005

2001	WHITE, OSCAR S
2003	ANDRUCZYK, CLEMENT A
2005	POLAND, CYNTHIA L
2007	LITTLE, JACK
2009	RUSSELL, BRADLEY E
2011	CUELLAR, ELBA
2016	GREENBERG, SETH J
2020	DILLNER, DOUGLAS S
2100	HENSON, GORDON V
2106	CORTEZ, MIGUEL A
	WILLIAMS PRODUCT
	WILLIAMS PRODUCTS
2110	POWELL, EDWARD E
2112	WILLIAMS, DOUGLAS A
2114	JOHN WESLEY UNITED METHODIST CHURCH
2145	FORRESTER, WILBERT D
2238	HEALTHCARE SYSTEMS INC
2246	ELIZABETH WOZNIAK
2249	CALLOWAY, MOSE T
2251	GIBSON, LINWOOD

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2005

897	GOLD HAT INC
901	AMERICAN NAILS
905	JOY LUCK DELIVERY
914	ACADEMY FLOWER SHOP
	ANNAPOLIS PERSONAL TRAINING CENTER
	BOYD AND BOYD DENTISTRY PC
	CHESAPEAKE GRILLE LLC
	COMMUNITY COLLEGES STATE BOARD
	DORCHESTER COURT L L C
	GATEWAY FLORIST
	JACK HUTCHINSON INSURANCE AGENCY INC
	JERRYS SUB SHOP
	LEAHS DOG SALON
	MATTERHORN HOLIDAYS
	MATTERHORN TRAVEL SERVICE INC
	PENGUIN COMPUTING INC
	RESTORATION COMMUNITY DEVELOPMENT CO
	SCYLD COMPUTING CORP
	WAGNER, JIM
917	HANLON, FREDERICK
918	FITZSIMMONS, GINA A
919	APEX INFLATABLES
	CANVAS CREATIONS INC
	EASTPORT SPAR & RIGGING LLC
	INTERCOASTAL
929	REILLY, ROBERT J
931	WALKER, ELTA R
938	SAPPHIRE COLOR SALON & DAY SPA
939	MURPHY, CHARLES F
940	PET VALUE INTERNATIONAL INC
942	SECOND LOOK INC
944	VALUE NAILS INC
946	GENERAL NUTRITION CENTER
1071	BAY RIDGE CHRISTIAN CHURCH
1072	GOSZKOWSKI, PAUL H
1076	OERTLI, PATRICIA A
1114	SHELTON, GEORGE D
1120	BAY RIDGE ROAD NURSERY INC
	KIM, DAVID
1124	CHAFFIN, ROSS
1126	CATER, JOSEPH E
1127	KELLER, MICHAEL W
1128	MACDONALD, WILLIAM B
1130	GERRIOR, PHIL A
1131	STONE, JEFFREY D
1135	ROJAS, ALBERTO M
1138	STOKES, JOHN E
1140	HOUSLEY, HAROLD L
1141	LAWSON, KENDYL D
1144	LATHAM, ROBERT F

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2005 (Cont'd)

1150	CERONE, PATRICK G
1151	TIRSCHMAN, LESLIE R
1165	CULLY, CARLOS A
1167	BANNER, SUZETTE C
1169	ANDERSON, JUDITH M
1173	CABRAL, FRANK J
1175	DEVINE, ANN M

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2005

1	BAY RIDGE GARDENS
	HOUSING OPPORTUNITIES UNLIMITED
2	COATES, MILDRED M
	EWELL, V
4	BULLARD, LORI
	NICHOLS, DAVID
	QUEEN, KEISHA
	TAYLOR, AFSHANA
	VERNON, TAREAH S
6	ADAMS, VERNICE
	JOHNSON, HARRY
	REED, GLORIA F
8	GRAY, ANTIWAN
	HARMON, DONWAND
	MATTHEWS, WYMEKO
	SMITH, R I
	STANSBURY, SYREETA
9	CALHOUN, DERETHIA
	CUTLER, DEXTER
	HEROLDD, DARRLY
	JOHNSON, JACQUELINE
	JONES, COURTNEY
	JONES, JACKIE
	MICHAEL, WILLINGHAM
	STLOUIS, MARY S
	TRUNG, LY
10	COLBERT, DIANA
	JAMES, HOLLAND
	JOHNNIE, MOMOH
	SMITH, LILLIAN V
	STEED, ANGELA L
	THOMPSON, ARIS T
	TUMPKIN, CURTIS
11	CONTEE, A
	MOULDEN, TONYA
	REED, TRACEY
	SAVOY, ALYIA
	STAFFORD, KIERRA
	TANN, TRACEY
	TURNER, SUCTONIA R
	WILLIAMS, H B
12	BRAUN, BARNES L
	BROWN, LYNDON L
	CHEW, SHARONDA
	GRAVES, JERRI
	MARSELLAS, KATHY M
	PRATT, TENISHA
	ROGERS, MARISA L
	WEST, CAROLYN D
13	BROWN, PHILLIP

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2005 (Cont'd)

13	FORD, PAMELA M
	SISCOE, TYNEA E
14	CHERRY, DENISE
	DESSASAU, CAROL D
	GRAVES, V
	MACKELL, T
	PARKER, GERARD
	TAMMY, MACKELL
15	GROSS, INDIA
	MARTIA, BROWN
	OFFER, MICHELLE
	SNOWDEN, TIMEKO L
16	DANCE, ETHEL
	HENSON, CHENELL
	JOHNS, DEMETRIA L
	MEDLEY, SHEILA
	RANDALL, SYLVIA
17	GALLOWAY, MACK S
	HARPER, ANTHONY
	HICKS, ARTHUR F
	LOWE, ROBERTA A
18	POWELL, DORIS A
	SAVOY, WALTER J
	WATSON, BRINIKA M
19	BLACK, DANIELLE
	DICKERSON, SHERRIE
	LATRINA, BLOOMER
	MASON, S
	NAYLOR, JEAN N
	PARTON, SHAWNTEE
	WATKINS, T D
20	BROWN, NIKKI
	PERRY, ROBERT E
21	BELT, JOAN B
	BROWN, KIZZY
	COLLINS, W
	MEDLEY, DAWAYNE
	PARKER, MICHAEL
	RANDALL, CATHY
	ROGERS, JOSEPH G
22	MURRAY, NICOLE
	PROCTOR, DENEEN
	RASHARD, LISA Y
23	COATES, TIEMIKA
	JOHNSON, VERONICA
24	BOUIE, CLARENCE
	JOHNSON, TERESA D
	MCLAURIN, SHAVERA S
	PACK, EMMA F
	SAVOY, JOEY

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2005 (Cont'd)

25	GONZALEZ, MARIE
	LEONARD, NADRA
	MASION, PATRICIA
	MASON, PATRICIA A
	WRIGHT, TAMEKA D
27	BROWN, SHAKEETA
	CROWNER, SHEVITA
	GRISWOLD, ERICA
	JANELLE, MCKIVER
	MCKIVER, JANELLE
	NUTTER, NIVIA
	SIMMS, REGINALD A
29	BROWN, CECILIA
	CAUTHEN, TAKYRA
	WAVERLEAN, GLENN
31	CONNER, C
	CONNER-HUDSON, KAREN D
	FORRESTER, SHAVON
	HARRISON, APRIL
	HENSON, MICHAEL D
	HUDSON-RICHARDS, KAREN
	LEMON, RALENE

Target Street	Cross Street	Source
-	✓	Cole Information

FOREST DR 2005

912	TRUE VALUE HARDWARE HO
914	COTHRAN CLAIMS SERVICE INC
	DIRECT GENE
	QUANTUM COFFEE
	ROSS NAJ INC
1000	QUIETWATERS EXXON
1070	WOLFE, EDWARD H
1100	EASTON, LAVERNE A
1104	GUZMAN, SANTOS G
1112	AYALA, JOSE A
1114	MILLER, HARRY D
	PERSONAL TOUCH CLEANING SERVICE OF A
1207	TYLER AMOCO
1210	COOPER VALUE CENTERS
	EDGEWATER TIRE CENTER INC
	SUNBURST REAL ESTATE LLC

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE AVE 2000

2007	LITTLE, MILDRED L
2009	GOUGH, JANICE G
	MURRAY, MARVIN
2016	VANBEUREN, MICHAEL M
2020	DILLNER, DOUG
2100	HENSON, G V
2102	DIGGS, JONELLE D
2104	ERICKSON, JOHN R
2108	THOMPSON, AARON A
2110	POWELL, EDW
2112	WILLIAMS, JAMES L
2114	JOHN WESLEY UNITED METHODIST CHURCH
2145	FORRESTER, WILBERT D
2204	CHRISTOPHER WENDELL REV
	MT MORIAH A M E CHURCH
	WILLIAMS J R REV
2240	PACKAGE MOVERS THE
2246	BAY RIDGE ANIMAL HOSPITAL
2248	ANNAPOLIS CAT HOSPITAL
	LONGO SUSAN DVM
2249	CALLOWAY, CLAUDIA
2250	PRESTOFOTO
2251	CHOY, FU H
	DUERR, CHARLES
	GIBSON, LINWOOD M
	JAMAR, KELLY L

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2000

893	ADMIRAL LAUNDRY & CLEANERS ANNAPOLIS
895	SUBWAY SANDWICHES BAY RIDGE PLAZA
901	RECORD & TAPE EXCHANGE
903	WINGS TO GO
905	DAVES D JS
	DAVES DEEJAYS
	JOY LUCK DELIVERY
907	PARTHENON RESTAURANT & CARRYOUT GREEK & AMERCN FOOD
909	PAPA JOHNS PIZZA
911	AMERICAS CASH EXPRESS
	BLESS CLEANERS BAY RIDGE SQUARE
914	ABBEYS CHAPEL FLORIST
	ANNAPOLIS FAMILY DENTISTRY
	ANNAPOLIS GLOBAL GOURMET
	ANNAPOLIS KARATE MASTERS
	ANNAPOLIS PERSONAL TRAINING CENTER
	ANNAPOLITAN HAIR DESIGNS INCORPORATED
	BOYD ANTHONY L DDS
	CHAPEL FLORIST
	CHIROPRACTIC LIFE STYLE CLINIC
	CURVES FOR WOMEN
	DMX FOR BUSINESS
	GARRYS GRILL OF ANNAPOLIS
	GOBAL GOURMET
	INGEL ANDREW P DMD
	JERRYS SUBS & PIZZA
	JOHNSON DAVID DR
	JOHNSON DAVID L DDS
	JONES COMMUNICATIONS
	LIFE TIME IMPROVEMENTS
	MCCARY, KATHY
	ODEA DAVID AGENCY
	PROFORMA FORTY EIGHT
	RESEARCH DIRECTOR INCORPORATED
	SPITLER N SHREVE DDS
	TCI CABLE VISION OF ANNAPOL
	UNITED MEDICAL INCORPORATED THE
	WAGNER JIM DR
	YOUNS HAIR DESIGN
918	DETAILS OF DESIGN
	FITZSIMMONS GINA
	HARRIS, LESTER R
	TIGER COMMUNICATIONS
919	APEX INFLATABLES
	CALYPSO INFLATABLES
	CANVAS CREATIONS
	DHERLIN, GEORGE
	EASTPORT SPAR & RIGGING LLC
	INTERCOASTAL INCORPORATED
	INTERCOASTAL INCORPORATED FAX NUMBER

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2000 (Cont'd)

920	BANK OF AMERICA
	NATIONSBANK BANKING CENTERS
925	C & C LIQUORS
	SAMARAS CHARLES G
927	SAMARAS, B
929	REILLY, ROBERT J
	SAMARAS, CHRIS
930	FIRST UNION OFFICE LOCATIONS
934	2ND NATIONAL FED AVINGS BANK ANNE ARUNDEL CNTY BR BANKING
	BB & T MARYLAND BRANCHES
	MAIN INGREDIENT THE
936	BAY FOREST WINE & SPIRITS
938	HAIR CUTTERY
	HAIR CUTTERY BAY FOREST SHOPPING CENTER
939	MURPHY, CHARLES F
940	PET VALU
941	MURPHY, WILLIAM E
942	SECOND LOOK INCORPORATED
944	VALUE NAILS
946	GENERAL NUTRITION CENTER
948	GIANT FOOD INCORPORATED
950	JPS HALLMARK SHOP
951	LEONARD CANVAS
	QUANTUM SAIL DESIGN GROUP
	SOBSTAD SAILMAKERS CHESAPEAKE
954	TCBY
956	BAY FOREST CLEANERS
958	LITTLE CAESARS PIZZA
960	LAROSE DE SAIGON RESTAURANT
975	MEXICAN CAFE
980	7 ELEVEN STORES
	SEVEN ELEVEN
985	EBB TIDE
	R & G CONSTRUCTION
1009	BRU MAR GARDENS LLC
	JUNK N JAVA
1071	BAY RIDGE CHRISTIAN CHURCH
1072	GOSZKOWSKI PAUL H DR
	GOSZKOWSKI, PAUL H
1076	CRANMER, NANCY C
	SHERBERT, WILLIAM N
1078	FLANAGAN, MIKE
	RAMBO, M
	RHOADS, KRISTIN
1081	ANNAPOLIS BROADCASTING CORPORATION WANN BAY COUNTRY REAL COU
	RADIO STATION WANN
	WANN BROADCASTING STATION
	WANN RADIO STATION
1120	BAY RIDGE ROAD NURSERY
	GERRIOR, PHILIP P

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 2000 (Cont'd)

1120 GERRIORS NURSERY & GARDEN CENTER
HERNANDEZ, MARCOS
1122 PETTERSEN, ERVIN E
1126 GILL, LINDA J
1130 GERRIOR, PHIL
1131 PANTELIDES Z
WARNER, B
1132 GERRIOR, PHILIP P
1135 HAMMERSMITH
ROJAS, C
1138 STOKES, JOHN E
1140 HOUSLEY, HAROLD L
1141 LEE, K M
1150 CERONE, PATRICK G
1151 TIRSCHMAN, LESLIE R
1165 CULLY, CARLOS A
1167 BANNER, SUZETTE C
1177 DEVINE, ANN M

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2000

1	BAY RIDGE COMMUNITY DEVELOPMENT CORPORATION
	BAY RIDGE GARDENS
2	EWELL, V
4	ALFORD, YAMIKA
	DIGGS, S
6	ADAMS, VERNICE
	CARTER, SHARON Y
	JOHNSON, HARRY
8	BROOKS, JANICE
	CROWNER, ELLOIT P
	DAVIS, LAKYRA N
9	BOOTH, THELMA
	TRUNG, LY
	TYDINGS, SHAWNON
10	BONILLA, OBDULIO
	THOMPSON, KENNETH
11	SALISBURY, EUREKA C
12	DEAL, G
	HORNE, ANGEL
	JORDAN, C
	MARSELLAS, KATHY
	WEST, CAROLYN
13	FORRESTER, ELEANOR C
14	DESSASAU, CAROL D
15	BELL, MICHAEL
	POWE, DONNA E
16	ANDERSON, C
	PALTELL, G
	RICE, ELSIE D
17	ESTEP, RAQUEL
	HICKS, ARTHUR
	WATKINS, JACKIE
18	SIMMS, M
19	BLAKE, DANYIEL
	BLOOMER, LATRINA
	BREWER, EDITH G
	SOLLERS, BETTY
20	FOWLER, JAMES R
	MIDDLETON, M J
	WILKERSON, SYLVIA D
21	BELT, JOAN L
	BRIDGES, HARRIET F
	HARRIS, R D
	PARKER, TRACEY L
	ROGERS, JOSEPH G
22	MURRAY, NICOLE
23	BREWERS, THELMA E
	HAWKINS, A
	HOLLIDAY, ALLEN
24	PACK, MORRIS F

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 2000 (Cont'd)

24	THOMPSON, KENYA
25	MASON, P A
27	GRISWOLD, ERICA
	HEROLD, DAMERIO
	TURNER, A
29	ELLIS, TRINA E
	JUKES, ANTHONY
31	EVANS, K
	WILKERSON, S L
33	FORD, SHAWNTA D

Target Street	Cross Street	Source
-	✓	Cole Information

FOREST DR 2000

912 TOTAL BLOOD MANAGEMENT INCORPORATED
914 ALLSTATE INSURANCE COMPANIES
CONNELL MCGUIRE INCORPORATED
DOCKSIDE DOCUMENTATION
INFIDEI INCORPORATED
OSPREY FINANCIAL SERVICES
QUANTUM COFFEE INCORPORATED
RENAISSANCE CONSULTING
ROSS ROSLYNNE
1000 QUIETWATERS EXXON
1002 FAIRFIELD, CAROL P
1007 HUNT, T L
1024 BASSFORD, OTTIE L
1028 HARMER, EDWARD T
1044 HIGGINS, WARREN L
1070 SHARP, J E
WOLFE, EDWARD H
1100 EASTON, PEYTON C
1104 GUZMAN, SANTOS
1112 HONEYCUTT, ANGELA M
1114 MILLER, HARRY D
1200 SMITH, KRISTY L
1207 TYLER AMOCO
1210 ANNAPOLIS TIRE & AUTO CENTER GOODYEAR
GOODYEAR ANNAPOLIS TIRE CENTER

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE AVE 1995

2001	WHITE, OSCAR S
2003	ANDRUCZYK, CLEMENT A
2005	OCCUPANT UNKNOWNN
2007	LITTLE, MILDRED L
2009	GOUGH, JANICE G
	MURRAY, MARVIN
2011	BLOOMER, NORMA
2016	BOOTH, CHERRI M
2020	DILLNER, DOUG
2100	HENSON, MARVA S
2102	HENSON, TROY
2104	HENRY, NAN P
	MANNING, NAN
2106	WILLIAMS, LLOYD
2108	OCCUPANT UNKNOWNN
2110	POWELL, EDW
2112	WILLIAMS, JAMES L
2145	FORRESTER, WILBERT D
2204	MOUNT MORIAH AME CHURCH
	WILLIAMS, J R
2232	JACKSONS BAY RIDGE CROWN
2238	BUYERS FIRST REALTY INC
	FORDHAM, RITA
	STATE FARM INSURANCE
2240	PACKAGE MOVERS
2242	ANNAPOLIS PUBLISHING CO
	MARYLAND CAPITAL GRAPHIC
	WOMENS YELLOW PAGES
2244	SALON EN VOGUE
2246	BAY RIDGE ANIMAL HOSPITAL
	SUSAN LONGO DVM
2248	ANNAPOLIS CAT HOSPITAL
	LONGO, SUSAN
2249	MINES, CONNIE
2250	AMBO, GENE A
2251	LIN, CHUN Q

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 1995

830	PIERCE, SUSAN
889	HIGHS OF BALTIMORE
895	MICHAELS HAIR CUTTERS
	SUBWAY SANDWICHES & SALADS
897	MC DONALDS
901	RECORD & TAPE EXCHANGE
903	WINGS TO GO
905	DAVIS DEEJAYS
	FROZEN ORCHARD
907	PARTHENON RESTAURANT/CARRYOUT
909	PAPA JOHNS PIZZA
911	SHEKELL, V
914	ABBEYS CHAPEL FLORIST
	ANNAPOLIS FAMILY DENTISTRY
	ANTHONY L BOYD DDS
	BODY BUSINESS INC
	CELEBRATION
	INGEL, ANDREW P
	JERRYS SUBS & PIZZA
	LEES KARATE MASTERS
	N SHREVE SPITLER DDS
	TCI CABLEVISION
	YOUNS HAIR DESIGN
915	BROWN, HOWARD C
918	TCB CORP
919	CANVAS CREATIONS
	DHERLIN, ROGER
925	C & C LIQUORS
	SAMARAS, CHRIS G
927	SAMARAS, CHARLES G
929	SWONTEK, JOHN
936	BAY FOREST WINE & SPIRITS
938	CHIC HAIR
939	MURPHY, CHARLES F
940	ATHLETES EDGE
941	MURPHY, WILLIAM E
942	SECOND LOOK INC
945	WHITE, JOSEPH
948	D C VAN LINES MVNG & STRG INC
	GIANT FOOD INC
	TIMMYS CARRY OUT
950	J PS HALLMARK
951	BRUNNER, SCOTT
	SOBSTAD SAILMAKERS CHESAPEAKE
958	LITTLE CAESARS PIZZA
960	PEKING HOUSE RESTAURANT
975	MEXICAN CAFE
980	7 ELEVEN FOOD STORE
985	EBB TIDE
	R & G CONSTRUCTION

Target Street	Cross Street	Source
-	✓	Cole Information

BAY RIDGE RD 1995 (Cont'd)

1009	EVANS & DONNELL AUTOMOTIVE SVC
	IRELAND, E
1071	AIELLO, EMMA
	BAY RIDGE CHRISTIAN CHURCH
1072	GOSZKOWSKI, PAUL H
1076	SHERBERT, WILLIAM N
1081	WANN
1100	RICHMOND AMERICAN HOMES INC
1114	HARRELL, JOHN W
	PITT, MADIE L
1119	OCCUPANT UNKNOWNN
1120	GERRIOR, PHILLIP P
	GERRIORS NURSERY
1122	SHELTON, G D
1125	WINTERS, RONALD O
1126	PETTERSEN, K
1128	OCCUPANT UNKNOWNN
1130	GERRIOR, PHIL JR
1131	ZOE PANTELIDES GRAPHICS
1132	GERRIOR, PHILIP P
1135	HAMMERSMITH
	ROJAS, C
1138	STOKES, JOHN E
1140	HOUSLEY, HAROLD L
1141	SORRELL, WILLIAM H
1144	OCCUPANT UNKNOWNN
1150	CERONE, PATRICK G
1151	TIRSCHMAN, LESLIE R
1165	OCCUPANT UNKNOWNN
1167	BANNER, SUZETTE C
1173	LINDSEY, DAVID D
	RITTER, BRIDGET
1175	NICHOLSON, S
1177	ALLAWAY, ALMA

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 1995

2	BAY RIDGE GARDENS
	JOHNSON, SANDRA D
4	WALKER, BARBARA A
6	BONILLA, OBDULIO
	BROWN, WAIN
	JOHNSON, JOAN A
	MCGOWAN, PENNIE
8	GROSS, ARTHUR
	HORNE, A
	JORDAN, DARNELL L
	MEDLEY, NICOLE
	WILLIAMS, DOUGLAS
9	BELT, JOAN L
	BROWN, T
	HOLLIDAY, ALLEN
10	BROWN, M
	RAVENEAU, ANGELIA
	SURGEON, RUTH A
11	BROWN, SHIRLEY
	DORSEY, L
	FARRELL, DAVID
	JOHNSON, MARK
	ROGERS, JOSEPH SR
12	KYLER, J
13	FORRESTER, ELEANOR C
	MACKALL, V
14	SURGEON, RUTH
16	HOLLIDAY, ALLEN
	WHITE, M
18	WELLS, ROXANNE
19	BAILEY, D
	PINCKNEY, P
20	LIN, WEI
	PACK, MORRIS F
	WILKERSON, SYLVIA D
21	BROWNLEE, YOLANDA
	HAWKINS, L R
	ROGERS, LINDA D
22	STALLINGS, S
23	HOLLIDAY, ALLEN
	MATHEWS, CARMEN
24	AYTCH, MARY
	DAY, RHONDA
	PACK, MORRIS F
	TRUNG, LY
25	DOWNS, E
	GROSS, SARAH
	MATTHEWS, TRAVIE
27	DAVIS, ERIC
	HOLLAND, IRENE L

Target Street	Cross Street	Source
✓	-	Cole Information

BENS DR 1995 (Cont'd)

27	THOMPSON, DOROTHY L
29	OCCUPANT UNKNOWNN
31	HARRISON, APRIL

Target Street	Cross Street	Source
-	✓	Cole Information

FOREST DR 1995

912	HARDWARE HOUSE INC
914	ALLSTATE INSURANCE
	ANNAPOLIS COMPUTERS
	COLOR RESPONSE
	CONNELL MC GUIRE INC
	ECKERT OPTICAL INSTRUMENTS INC
	FREDERICK SIERACKI
	HALPERN ARCHITECTS
	PETER STRAATEN INC
	RENAISSANCE CONSULTING
	SPIRIT A GRAPHIC
1000	QUIETWATERS EXXON
1004	EASTPORT EXXON 24 HOUR TOWING
1016	CONLEY, C
1070	WOLFE, EDWARD H
1100	OCCUPANT UNKNOWNN
1104	COUSINS, BESSIE
1108	RINEHART, ROSE R
1112	BALLINGER, S L
	BURNETTE, K
	MILLER, HARRY D
1114	MILLER, HARRY D
1116	OCCUPANT UNKNOWNN
1200	OCCUPANT UNKNOWNN
1210	ANNAPOLIS TIRE & AUTO CTR

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE AVE 1991

2001	White Oscar S	263-3808	86
2005	Baker Jessica A	268-5011	90
2011	Simmons Evelyn F	268-5018	87
2016	Booth Gayle	+267-9613	91
2249	Bernstein Patricia A	+269-6768	91
2251	Ng Kwok O	+263-8098	91
	Victor Pkwy		
2100	Henson Marva Smith	268-0529	80
2104	Henry Nan P	263-9527	85
2104	Manning Nan	263-9527	85
2110	Powell Edw	268-3426	76
2112	Williams Jas L	263-5447	76
2145	Forrester Wilbert D	268-3267	84
2204	Lambert Colin Macrae Reverend	263-3455	90
2204	#Lambert Colin Macrae	+261-2766	91
2204	#Mt Moriah A M E Ch	+261-2766	91
2204	#Mt Moriah A M E Ch	263-8562	78
2238	#Annapolis Publishing	267-0886	90
2238	#Graphic Images Of Annapolis Inc	268-5620	88
2240	#Package Movers The	267-9058	88
2242	#Maryland Cap Graphics	267-6641	88
2244	#Hair Extraordinaire	263-6707	88
2246	#Consignments & Collectibles	269-1203	90
2248	#Annapolis Cat Hosp	268-2287	86

81-BUS 120-RES 43-NEW

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1991

BAY RIDGE RD (Annapolis) 21403

Map 37:944-406

Cypress Rd

- -	#Jackson's Bay Ridge Crown	269-6129	84
886	#Vertex Inc	+267-0563	91
893	#Admiral Lndry & Clnrs Annapolis	268-8894	79
895	#Subway Sandwiches	+263-7922	91
901	#Annapolis Record Exchange	267-0462	88
901	#Annapolis Record Exchange	261-1079	88
901	#Record & Tape Exchange	267-0462	89
901	#Record & Tape Exchange	261-1079	88
903	#American Of Annapolis TV Service Inc	263-3066	79
903	#American Of Annapolis TV Service Inc	269-0988	79
903	#American TV	263-3066	83
903	#American TV	269-0988	83
905	#Dave's D J's	263-8152	88
905	#Dave's Deejays	263-8152	88
905	#Davis Bill deejay	263-8152	90
905	#Davis Deejays For Dances	263-8152	90
905	#Davis Disc Jockeys	263-8152	90
905	Webb Russell J	268-2485	76
914	GEORGETOWN PLAZA		
	#Annapolis Family Dentistry	267-7713	88
	#Best Connection Travel Ltd	269-5030	89
	#Body Business Inc	268-2639	88
	#Boyd Anthony L DDS	626-1797	89
	#Catech Company	267-6884	90
	#Community Colleges State Board General Information	974-2881	80
	#F & B Sales & Marketing	269-6339	90
	#Jiffy Shoppe	263-8111	88
	#Rustic Inn The	□261-2171	91
	#United Cable Of Annapolis Billing Inquiries & Service Changes	268-7551	88
	#United Cable Of Annapolis Billing Inquiries & Service Changes	858-5156	88
	#Valid Sales Co	261-1876	88
915	Brown Howard C	268-9046	76
918	#Docusoft Inc	269-1837	89

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1991

BAY RIDGE RD (Annapolis) 21403 Contd

918	#TCB Corporation	269-1837	87
919	#Canvas Creations	267-0333	89
919	#Shore Sails Chesapeake Inc	268-6501	89
919	#Shore Sails Chesapeake Inc	858-5050	89
920	#Maryland Natl Bank Hillsmere Office	268-4725	83
921	#Annapolis Bank & Trust Annapolis Banking Offices	268-4600	90
925	#C & C Liquors	268-1391	87
925	#Samaras Chas G	268-1391	83
925	Samaras Chris G	263-5850	76
927	Samaras B	268-0738	83
929 A	Swontek John	267-0247	78
930-58	BAY FOREST SHOPPING CENTER		
930	#Signet Bank Maryland County Offices Bay Forest Office	268-6032	82
934	#Second National Federal Savings Bank Anne Arundel County Branch Banking Ofc Bay Forest	268-6635	89
938	#Chic Hair	268-3323	83
939	Murphy Charles F	268-7147	84
940	#Athlete's Edge The	+280-6161	91
941	Murphy Wm Edw	268-1445	76
942	#Second Look Inc	263-3111	84
948	#Giant Food Inc Grocers Annapolis	267-0228	86
	#Giant Food Inc Giant Discount Drug Pharmacy Annapolis	268-4020	86
950	#JP's Hallmark Shop	268-2263	89
951	#Leonard Canvas	268-1161	88
	#Leonard Canvas	261-2540	88
	#Sobstad Sailmakers Chesapeake	261-2540	88
	#Sobstad Sailmakers Chesapeake	268-1161	88
	#Sobstad Sailmakers Chesapeake	269-0333	89
953	#Greathouse Madelyn A	269-6868	85
	#Sincerely Yours Of Annapolis	269-6868	85
954	#Annapolis Formal	267-6797	87
958	#Little Caesar's Pizza	626-1000	88
960	#Peking Hse Restrnt	268-8484	87
975	#Eve's Ribs	+268-7427	91
980	#Seven-Eleven	269-5541	90
985	#Ebb Tide The	269-1500	89
985	#R & G Construction	268-7410	87
	Arundel Rd		
1009	#Bartlett Tree Experts	□263-6223	91
1071	Aiello E G	267-9461	81
1071	#Bay Ridge Christian Church	263-2992	89
1071	#New Covenant Church	263-2992	81
1072	Goszkowski Paul H Dr	268-2334	88
1076	Booth Ferd S Sr	□268-7325	91
1076	Sherbert Wm N	268-1136	79
1081	#Annapolis Broadcasting Corp WANN	269-0700	83
1081	#WANN Radio Station	269-0700	77
1100	#Ryan Homes At Keyes Farm	+858-5323	91
1100	#Ryan Homes At Keyes Farm	+269-0487	91
1114	Harrell John W	268-7018	76
1114	Pitt Madie L Mrs	268-7018	76
1120	Gerrior P P Sr	268-8814	82
1120	Gerrior Phillip P	267-6221	76
1120	#Gerrior's Nursery & Garden Center	267-6221	76
1122	Riggs Jimmy W	268-2397	86
1126	Pettersen Ervin E	268-2950	86
1130	Gerrior Phil Jr	268-4647	89
1131	#Pantelides Z	+268-8499	91
1131	#Pantelides Zoe Graphics	+268-8499	91
1131	Warner B	268-7035	76
1135	#Hammersmith	280-2347	89
1135	Rojas C	268-0368	88
1138	Stokes John E 3rd	263-9096	76
1140	Housley H L	267-6452	76
1144	Sherbert Walter H	268-9273	76
1150	Cerone Patrick G	263-6196	89
1151	Tirschman Leslie R	268-1103	79
1165	Risher Michael R	974-8046	87
1173	Carter B	□626-1649	91

Target Street	Cross Street	Source
✓	-	Stewart Directories Inc

BENS DR 1991

BENS DR (Annapolis) 21403

Annapolis Woods Apts

Map 37:944-407

2	B	#Bay Ridge Gardens	267-0267	85
2	B	#Bay Ridge Gardens	261-2818	85
4	A	Walker Barbara	798-4836	90
4	B	Yang Datan	+267-7595	91
4	C	Watson Wilson	263-3769	84
4	F	Brent A	798-4873	90
6		McGowan Pennie	280-9117	90
6	B	Gough Clifton	+974-8093	91
6	D	Brown W	268-0060	89
8	B	Largent Experana	974-8264	90
8	E	Gross Arthur	280-0347	89
9		Belt Joan L	263-5631	81
9		Johnson S M	+267-7806	91
10		Robinson C	+263-1276	91
12	A	Russell M	267-0225	84
14	D	Tai Cheung	267-0280	90
14	E	Forrester Eleanor C	268-0297	86
15	A	Crosby Ronald L	263-8625	84
15	E	Helms G	267-8510	90
16	B	Kern W Wallace Jr	280-6406	89
17	B	Norton Eddie L	268-7612	84
18	A	Stern Richard C Jr	+263-3719	91
18	E	Branigan John J	267-7951	76
19	A	Venerable Janet	+263-7450	91
19	D	Forrester Leola C	263-5817	88
20		Parker Kandi	+263-6473	91
20	A	Duplayee T L	+268-3153	91
20	D	Adams Vernice	267-7543	85
21		Wells Joseph M Jr	268-5863	85
21	B	Mackell R	+263-4976	91
21	E	Johnson D	280-2638	89
22		Morgan J P	+267-8302	91
22	B	Le Hung	263-2589	89
23		Brown Wayne H	+280-5075	91
23		Webb Theresa	+280-9160	91
23	B	Carter Lora S	+263-6041	91
23	D	Mathews Carmen	269-0254	85
23	E	Smith Ruth T	268-5061	80
23	F	Xu Peisua	280-0729	90
24	A	Cao Nga	269-1257	89
24	B	Day Rhonda	268-6457	86
24	C	Trung Ly	263-6286	87
24	E	Belt Walter	263-3919	86
24	F	Brown S	263-2042	89
27		Gray Dwaln	+263-5484	91
27		Green T	263-1638	91
27	E	Marsellas K	280-9614	90
31	C	Johnson Angela Maria	626-1779	90
-	-	Nick Constance	268-4106	79

2-BUS 47-RES 14-NEW

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

FOREST DR 1991

FOREST DR (Annapolis) 21403

Map 37:939-411

1004	#Eastport Exxon	263-6800	83
1070	Wolfe Edward H	267-0608	82
	Barbud Ln		
1100	Easton Laverne	□ 268-4495	91
1104	Cousins B	267-8442	86
1108	Rinehart Chas F	267-7450	76
1112	Forse Karen	263-3766	90
1116	Miller Fred	268-5822	89
1210	#Annapolis Tire & Auto Center Goodyear	+ 263-9546	91
1210	#Annapolis Tire & Auto Center Goodyear	268-9088	90
1210	#Goodyear Annapolis Tire Center	263-2317	89
	Tyler Ave		
1300	#Annapolis Seafood Mkt	263-6211	90
1300	#Annapolis Seafood Mkt	263-7787	88
1300	#Annapolis Seafood Mkt	269-5380	88
1300	#Seafood Market	269-5380	88

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE AVE 1986

2001	White Oscar S	+263-3808
2001	White S E	+268-0319
2005	Jones Alethea	+267-0495
2011	Bloomer Norma	267-0824
2020	Windsor John	268-3186
	Victor Pkwy	
2100	Henson Marva Smith	268-0529
2104	Henry Nan P	263-9527
2104	Manning Nan	263-9527
2110	Powell Edw	268-3426
2112	Williams Jas L	263-5447
2145	Forrester Wilbert D	268-3267
2204	Lemmons H Michl Rev	+263-3952
2204	#Mt Moriah A M E Ch	263-8562
2244	#Body Wrap Inc	+268-5870
2248	#Annapolis Cat Hosp	+268-2287

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1986

BAY RIDGE RD (Annapolis) 21403

Map 37:944-406

Cypress Rd

--	#Jackson's Bay Ridge Crown	269-6129
889	#High's Of Baltimore	269-1444
893	#Admiral Lndry & Clnrs	268-8894
895	#Michael's Hair Cutter	267-8971
897	Wahab Harry	268-1865
899	Lowery Geo	268-1515
903	#American Of Annapolis TV Service Inc	263-3066
903	#American Of Annapolis TV Service Inc	269-0988
903	#American TV	263-3066
903	#American TV	269-0988
905	#Hamilton Stanley C dentist ofc	268-3380
905	Webb Russell J	268-2485

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1986

BAY RIDGE RD (Annapolis) 21403 Contd

907	#Romanos Pizza	263-1160
915	Brown Howard C	268-9046
915	#Dobrow Trucking Co sand & gravel	263-6235
919	Helgerman P G	268-4287
920	#Maryland Natl Bank Anne Arundel County Annapolis Branch	268-4725
925	#Samaras Chas G	268-1391
925	Samaras Chris G	263-5850
927	Samaras B	268-0738
929A	Swontek John	267-0247
930-58	BAY FOREST SHOPPING CENTER	
930	#Union Trust Bank Bay Forest Office	268-6032
934	#Second National Building & Loan Inc	268-6635
936	#Video Connection	263-1449
938	#Chic Hair	268-3323
939	Murphy Charles F	268-7147
940	#JP's Hallmark Cards & Gifts	268-2263
941	Murphy Wm Edw	268-1445
942	#Second Look Inc	263-3111
945	Tirschman Reinhardt	267-7879
946	#Pic'N Pay Shoes	268-7864
948	#Giant Food Inc Discount Drug Pharm	269-1035
	#Giant Food Inc Grocers Annapolis	▫267-0228
	#Giant Food Inc Discount Drug Pharm Annapolis	▫268-4020
	#Giant Food Inc Discount Drug Pharm	261-1218
952	#Furniture & Bedding Discounters	263-5007
953	Greathouse Madelyn A	269-6868
	#Sincerely Yours Of Annapolis	269-6868
958	#National Medical Homecare	267-0111
	#Oxygen Therapy Svcs	267-0111
975	#Timmys Carry Out	268-5496
975	#Timmys Carry Out	263-9743
985	#Chickie's pkg goods	269-1500
	Arundel Rd	
1009	#Decorative Direct Sales Imports	+263-7151
1009	Ireland E D	267-9524
1071	Aiello E G	267-9461
1071	#New Covenant Church	263-2992
1072	Dorsey Will	▫263-1956
1076	Sherbert Wm N	268-1136
1081	#Annapolis Broadcasting Corp WANN	269-0700
1081	#WANN Radio Station	269-0700
1101	#St Luke's Church	268-5419
1114	Harrell John W	268-7018
1114	Pitt Madie L Mrs	268-7018
1115	Moreland K H	+267-6860
1115	Volz K M	268-0785
1120	Gerrior P P Sr	268-8814
1120	Gerrior Phillip P	267-6221
1120	#Gerrior's Nursery	267-6221
1122	Riggs Jimmy W	+268-2397
1126	Pettersen Ervin E	▫268-2950
1131	Warner B	268-7035
1138	Stokes John E 3rd	263-9096
1140	Housley Edward	+267-8198
1140	Housley H L	267-6452
1141	Boulton Frank	267-6340
1144	Sherbert Walter H	268-9273
1151	Tirschman Leslie R	268-1103
1161	Harris Stephen	263-1382
	Anchorage Dr	
--	Cleveland Helen	267-6064
--	#Mace Chas B Jr Capt	267-8336
--	Mueller Edward P	268-9283
--	Tilman James R	268-0395

Target Street	Cross Street	Source
✓	-	Stewart Directories Inc

BENS DR 1986

BENS DR (Annapolis) 21403

Annapolis Woods Apts
Map 37:944-407

2B	#Bay Ridge Gardens	261-2818
2B	#Bay Ridge Gardens	267-0267
2D	Howard Theresa	+267-6756
4A	Monday Virginia	267-0270
4C	Watson Wilson	263-3769
4F	Hall Demetria	+268-0792
6C	Pickett Eric L	263-1347
6D	Phunt Lan	263-9607
6E	Chambers J	263-9478
6F	Abney Reid G	+263-6513
8D	Wilson G L	267-9409
9	Belt Joan L	263-5631

Target Street	Cross Street	Source
✓	-	Stewart Directories Inc

BENS DR 1986

BENS DR (Annapolis) 21403 Contd

9B	Duvall Ethel G	267-8009
9C	Simms R	+263-1531
9D	Simms Charles	263-3072
10	Coates Elsie P	268-0114
10A	Steele Roberta S	267-8038
10C	Tran Thien	+268-0577
10E	Henson Terry	268-1871
11	Gray Barry	267-8113
11C	Garrett L	+267-9024
11D	Thomason George E	+263-1554
12	Moulden C	268-0116
12D	Russell M	267-6898
12F	Matthews Thelma I	+267-7482
13B	Adams A	267-6852
13E	Sheppard Margaret	263-3813
14	Forrester Eleanor C	◻268-0297
14	Parker Thomas M	263-3094
14B	Phillips J	268-0953
14D	Ly Thank	263-4059
15A	Crosby Ronald L	263-8625
15D	Harris Angela P	263-1897
15E	Powell Tylee	+263-1309
16F	Neal Valerie	+268-3617
17B	Norton Eddie L	268-7612
17D	Tyler Danalisa	263-6379
17F	Jones Thelma L	+263-5122
18	Hayes Allen J	268-3876
18A	Russell Mary E	+263-3918
18B	Little Jeanette	263-8721
18D	Booze Alvin R	+268-3788
18E	Branigan T E	267-7951
19C	Moulden J W	+263-9059
19E	Powell Warren	+268-6194
19F	Smith B J	263-7359
20A	Barnes Sandor	268-6533
20D	Adams Vernice	267-7543
20F	Travis D	+267-7954
21	Wells Joseph M Jr	268-5863
21B	Gray Diane D	◻268-2650
21C	Dorsey John A	263-6094
21D	Johnson Octavia	267-9732
22A	Gray Parthenia	268-3436
22B	Le Phuong V	263-2589
22C	Perry L V	267-0693
22F	Molter Charlie	263-7413
23B	Bryant S E	+263-1501
23D	Collins T G	269-5126
23D	Mathews Carmen	269-0254
23E	Smith Ruth T	268-5061
23F	Simmons D	+268-2403
24A	Cao Thi Nga	268-6462
24B	Day Rhonda	+268-6457
24D	Howard William	268-1619
24E	Belt Walter	+263-3919
24F	Dorsey Norman Lee	267-8458
24F	Green Tyrae	268-9209
25B	Venerable Viola F	263-6502
25D	Snowden L	+263-6186
27	Pearson L J	268-7345
27E	Lee F C	268-0270
29C	Bradford Anthony	268-1845
31D	Mao Guang Jun	+267-9225
--	Nick Constance	268-4106

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

FOREST DR 1986

FOREST DR (Annapolis) 21403

Map 37:939-411

1004	#Eastport Exxon	263-6800
1070	Wolfe Edward H	267-0608
	Barbud Ln	
1100	Farrell C	267-7377
1104	Cousins B	+267-8442
1108	Rinehart Chas F	267-7450
1112	McEwan Robert S	263-7367
1116	Taylor Robert S	+263-5523
1210	#Delta Import Cars	266-5331
1210	#Delta Imported Cars	268-9098
1210	#Delta Imported Cars	269-1517
	Tyler Ave	
1300	#Annapolis Produce Farm Market	269-5380
1300	Produce Farm Market	269-5380
1307	#Annapolis Wine & Spirits	+261-2175
1307	#Annapolis Wine & Spirits	263-7117

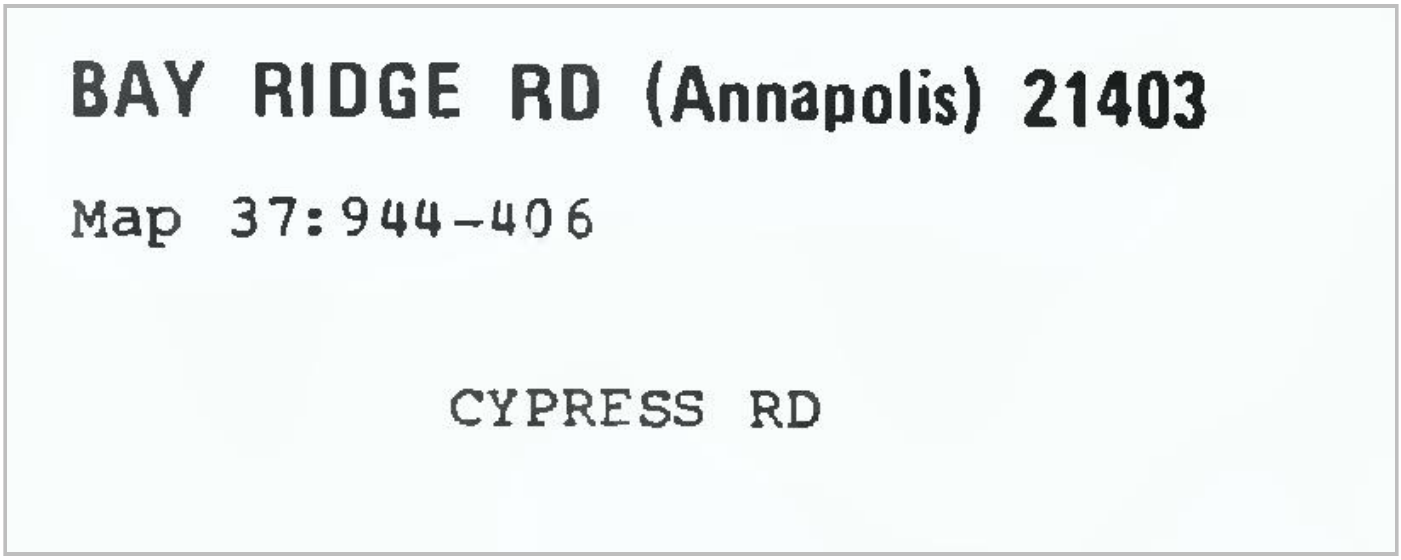
Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE AVE 1981

2000	Chapman April D	268-0214
2001	White Oscar S	263-0689
2009	Torres Dionicio T	268-0680
2011	Simmons Geo Robt	267-7838
2020	Windsor John	268-3186
	VICTOR PKWY	
2100	Henson Marva Smith	268-0529
2104	Berliner Benjamin C	□268-7533
2110	Powell Edw	268-3426
2112	Williams Jas L	263-5447
2204	#Mt Moriah A M E Ch	263-8562
2204	Reed Roger Hall Rev	263-3952

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1981



Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1981

BAY RIDGE RD (Annapolis) 21403 Contd

889	#High's Dairy & Ice Cream Store	+268-8953
895	#Frenchy's Unisex Styling Barber Shop	267-6399
897	Wahab Harry	268-1865
899	Lowery Geo	268-1515
901	#Annapolis Florist	261-1817
903	#American Television Co Of Annapolis	263-3066
903	#American Television Co Of Annapolis	269-0988
905	#Hamilton Stanley C Dentist ofc	268-3380
905	Webb Russell J	268-2485
909	#Jennie's Seafood Restaurant	+268-9879
915	Brown Howard C	268-9046
919	Helgerman P G	268-4287
925	#C & C Liquors	268-1391
925	Samaras Chas G	268-1391
925	Samaras Chris G	263-5850
927	Samaras Chas	268-0738
929A	Swontek John	267-0247
941	Murphy Wm Edw	268-1445
945	Tirschman Reinhardt	267-7879
975	#Timmys Carry Out	268-5496
975	#Timmys Carry Out	263-9743
985	#Chickie's pkg goods	+269-1500
	ARUNDEL RD	
1071	Aiello E G	+267-9461
1072	Wible J S	263-9152
1081	#Annapolis Broadcastg Corporation	269-0700
1081	#WANN Radio Station	269-0700
1114	Harrell John W	268-7018
1114	Pitt Madie L Mrs	268-7018
1115	Moreland Kenneth H	267-6860
1115	Volz K M	268-0785
1120	Gerrior Phillip P	267-6221
1120	#Gerrior's Nursery	267-6221
1131	Warner B	268-7035
1138	Stokes John E 3rd	263-9096
1140	Housley H L	267-6452
1141	Boulton Frank	267-6340
1144	Sherbert Walter H	268-9273
1161	Hornberger John A	267-6078
	ANCHORAGE DR	
1280	Stevens Julian B Sr	263-5120
--	Mace Charles B Jr	267-8336
--	#Pulte Home Corp	+267-9491
--	#Pulte Home Corp	+261-1878
--	#Wawa Food Stores	+267-8070

Target Street	Cross Street	Source
✓	-	Stewart Directories Inc

BENS DR 1981

BENS DR (Annapolis) 21403

Annapolis Woods Apts
Map 37:944-407

2	Phuoc Nguyen Van	268-3812
2	Whitaker E	263-3467
2B	#Annapolis Woods Venture	267-0267
2E	Turner Nina M	267-8443
4	Hill J L	+267-6705
4C	Watson Helen Mrs	263-3769
6	Trott Hugh D Jr	268-5480
6F	Tongue E	+263-8311
8	White Pete	269-1295
8C	Paddy Verna	268-0499
8D	Wilhide D L	◻268-2787
9	Belt Joan L	+263-5631
9	Henderson Louise	268-8265
9B	Duvall Ethel G	267-8009
9D	Simms Charles	+263-3072
9E	Robertson H E	+268-8491
10	Bell J R	+263-5920
10	Coates Elsie P	◻268-0114
11	Gray Barry	267-8113
13	Jones Elaine	263-4532
14	Howell Johnnie H	+269-0372
14	Parker Linda	+261-2698
14B	Thompson Darlene M	268-7045
16	Holland Brenda D	263-3911
16A	Barraud John C	◻263-0448
17	Birdsey Jo	+267-0671
17B	Dennis Kaddie	263-9280
17E	Weems Wardell	+263-4869
18	Beavers Larry D	◻268-8288
18	Branigan T E	267-7951
18	Hayes Allen J	268-3876
18A	Mackell M	268-3326
18B	Little Jeanette	263-8721
19A	Quan Chiduc	+263-2429
19C	Atkinson Pate	267-7140
19D	Lam K Y	+263-0278
19F	Smith Nelia	+267-9285
20A	Anderson Dewitt R	268-2390
20F	Nguyen Ho M	267-0370
21	Richardson W	268-0805
21C	Dorsey John A	263-6094
21F	Jones Jean M	268-7628
22A	Jones James R	268-5242
22D	Stewart Monica G	268-5357
22E	Pindell Shirley T	267-9151
23D	Collins T G	269-5126
23E	Parker E	267-8308
23E	Smith Ruth T	268-5061
23F	Jones D	+269-6848
24A	Cao Thi Nga	268-6462
24D	Howard William	268-1619
24F	Dorsey Norman Lee	267-8458
25C	Blake I B	◻268-4698
27	Gierson Fred	+268-6143
27	Henson D D	263-9469
27	Pearson L J	268-7345
27E	Lee F C	268-0270
31	Weems Rose Mary	+268-0094
31C	Perry Charlie	267-7385
--	Nick Constance	268-4106

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

FOREST DR 1981

FOREST DR (Annapolis) 21403

Map 37:939-411

1011	Norton Edw J	263-3368
1070	Reiss M T	268-7351
	BARBUD LN	
1100	Bunch Warren R	268-5642
1108	Rinehart Chas F	267-7450
1112	Vance R E	268-3437
1116	Rinehart Frank	263-6346
1200	Franklin Homer A	267-9110
1210	#Delta Imported Cars	+268-9088
1210	#Delta Imported Cars	+269-1517
1210	#Delta Imported Cars	+261-2561
	TYLER AVE	
1300	#Annapolis Farm Mkt	+269-5380
1300	#Case Place The	268-5381
1300	#Case Place The	+269-5380
1307	#Tyler Heights Liquors	269-0753
1313	#Forest Cleaners	263-5550
1313	#Forest Cleaners	+263-9782

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE AVE 1976

2001	White Oscar S	263-0689
2009	Torres Dionicio T	268-0680
2011	Simmons Geo Robt	267-7838
2020	Windsor John	268-3186
	Victor Pkwy	
2100	Bowser Marjorie E	268-5774
2110	Powell Edw	268-3426
2112	Williams Jas L	263-5447
2204	#Mt Moriah A M E Church	267-8970
2204	Reed Roger Hall Rev	263-3952
2204	#Robinwood Day Care Center	268-4126
2204	#Robinwood Day Care Center	269-6661
--	Cullison Margaret	268-6590
--	Davis Clarence E Mrs	268-0322
--	Smith Lee F	263-2991

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1976

BAY RIDGE RD (Annapolis) 21403

Map 37:944-406

	Cypress Rd	
889	#Frederick's Inc	261-1330
889	#Frederick's Inc	263-6161
891	#Holsum Bread Box	263-9755
893	#Bay Ridge Tropical Fish	263-3369
895	#Frenchy's Barber Shop	267-6399
897	Wahab Harry	268-1865
899	Lowery Geo	268-1515
901	#Bay Ridge Ceramics	263-4221
903	#American Television Co Of Annapolis	263-3066
903	#American Television Co Of Annapolis	269-0988
905	#Tatterson John M DDS Office	268-5503
905	Webb Russell J	268-2485
907	#Maryland Natl Bank Anne Arundel Cnty Annapolis br ofc	268-4725
915	Brown Howard C	268-9046
915	#Dobrow Trucking Co Sand & Gravel	263-6235
919	Helgerman P G	268-4287
925	#C & C Liquors	268-1391
925	Samaras Chas G	268-1391
925	Samaras Chris G	263-5850
927	Samaras Chas	268-0738
929	Tilman James R	263-3434
941	Murphy Wm Edw	268-1445
945	Tirschman Reinhardt	267-7879
975	#Timmys Carry Out	263-9743
975	#Timmys Carry Out	268-5496
979	Estep Henry Jr	267-7724
985	#Anchor Inn	269-0692
	Arundel Rd	
--	Haas Alice Corinne	263-2882
1022	Hughes Elder Bruce	267-6005
1071	Griscom Robt F	268-0345
1072	Wible J S	263-9152
1076	Sherbert Wm N	268-1136

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

BAY RIDGE RD 1976

BAY RIDGE RD (Annapolis) 21403 Contd

1081	#Annapolis Broadcastg Corporation	269-0700
1081	#WANN	269-0700
1081	#WANN Broadcasting Station	269-0700
1101	#St Anne's Parish House-St Luke's Chapel	263-3790
1101	#St Luke's Chapel	268-5419
1114	Harrell John W	268-7018
1114	Pitt Madie L Mrs	268-7018
1115	Moreland Kenneth H	267-6860
1120	#Gerrior's Nursery	267-6221
1120	Gerrior Phillip P	267-6221
1131	Warner B	268-7035
1138	Stokes John E 3rd	263-9096
1140	Housley H L	267-6452
1141	Boulton Frank	267-6340
1144	Sherbert Walter H	268-9273
1151	Tirschman Leslie R	268-1103
1161	Hornberger John A	267-6078
	Anchorage Dr	
1280	Stevens Julian B Jr	263-5120
--	Johnson Theodore J	267-6771
--	Mace Charles B Jr	267-8336

Target Street	Cross Street	Source
✓	-	Stewart Directories Inc

BENS DR 1976

BENS DR (Annapolis) 21403

Annapolis Woods Apts
Map 37:944-407

2	Kacoyianni Neophetos	263-4511
2A	Henriques Edward S	268-0270
2D	Honeycutt Harold B	268-0298
6	Adams Charles H	268-0384
6	Trott Hugh D Jr	268-5480
8	Lewis Mildred Mrs	263-5019
8D	Mamaril Marcelino I	268-2373
8F	Fayusal Lourdes V	268-0997
9	Geronimo Francisco	263-0611
9	Henderson Louise	268-8265
9D	Russell Herbert W Jr	263-5121
10A	Justiniano Jesus E	268-0911
11	Galang Jose	263-0619
11	Gregorio Angelito A	263-9605

Target Street	Cross Street	Source
✓	-	Stewart Directories Inc

BENS DR 1976

BENS DR (Annapolis) 21403 Contd

12	Isaac Angela	263-8627
13	Espe Leopoldo E	263-0814
13A	Nick Nelson A	268-2603
14	Angeles Raymundo P	263-4535
14	Boston Carolus A	267-9174
14	Thomas Lillian	268-6347
15	Glover David	268-9739
15	Reyes Teofilo R	263-9324
15B	Barraud John C	263-0448
15C	Noe Leslie Ray	263-4174
17	Neal Wayne D	268-2663
17B	Dennis Raddie	263-9280
17F	Halol Salvador P	263-2993
18	Branigan T E	267-7951
18	Talbot Leland M	268-3995
18C	Foster M B	263-3504
18F	Kungis John P	268-3592
19	Bishop Brenda L	267-7279
19	Cantler George R	263-0966
19D	Estrada Vincent	263-0995
20	Haskins D E	263-5476
20	Javier Orlando M	268-0159
20	Klokow Jerry L	268-6187
21	Aytch Julia H	268-5748
22	Walp Eugene B Jr	268-6412
22B	Cosca Raymundo M	268-4868
23	Coates Carrie C Mrs	268-0934
23D	Aquino Benjamin	263-3998
24	Chism Elmo Jr	263-2804
24	Diggs Richard S	263-3524
24	Mathis A R	268-2643
25	Gonzales Romeo F	268-5085
25	Hoy Theresa A Mrs	263-3612
27	Bato Victorio	263-9438
27	Pearson L J	268-7345
29	Lacbain Leonardo	263-0618
29B	Loosley Robert M	263-0267
31	Wingate Donald T	263-2612

Target Street	Cross Street	Source
-	✓	Stewart Directories Inc

FOREST DR 1976

FOREST DR (Annapolis) 21403

Map 37:939-411

1011	Norton Edw J	263-3368
1060	Strittmatter Gilbert	263-4247

FOREST DR (Annapolis) 21403 Contd

1070	Parkinson Alexander F Junior	268-8664
1070	Parkinson Alexander F Senior	268-8653
	Barbud Ln	
1100	Heinbuch Chas F	268-5557
1108	Rinehart Chas F	267-7450
1112	Rebstock Geo W Sr	263-3548
1116	Rinehart Frank	263-6346
1200	Franklin Homer A	267-9110
1204	Wilkinson Michael	268-2326
	Tyler Ave	
1307	#Tyler Heights Liquors	269-0753
1308	#Burger Chef Restrnt	268-2258
1313	#Rainbow Cleaners Branch Ofc	263-5550
1316	Carrick Edw H	268-3176
1316	Johnson Dorothy	268-3176
1319	#Forest Drive Sunoco	263-0545
1321	#Forest Drive Texaco	263-4095
1324	Senica Constantine L	268-7611
1338	Stine Wayne A	263-4357
1346	Morris Wm J	268-3455
1375	#Annapolis Junior Secondary School	267-8658
	Old Forest Dr	

Target Street	Cross Street	Source
-	✓	Greenberry Publications

BAY RIDGE AVE 1971

2001	Moreland Hugh O	268-0017
2005	McCready William B	268-7092
2009	Torres Dionicio T	268-0680
2011	Simmons Geo Robt	267-7838
2018	Windsor Leonard F	268-4665
2100	Bowser Marjorie E	268-5774
--	Anchor Inn	268-7027
--	Annapolis Broadcasting Corp	269-0700
--	Annapolis Nursing & Convalescent Center	267-8653
--	Annapolis Nursing & Convalescent	

Target Street	Cross Street	Source
-	✓	Greenberry Publications

FOREST DR 1971

FOREST DR (Annapolis) 21403

e & w fr Solomons Island Rd
932-416

Riva Rd

50	FOREST PLAZA	
	Arlans Snack Bar	268-9889
	Giant Pharmacies	268-3700
	Lasting Products-Store Seventeen	268-0900
	Mill End Shops	268-5330
	Oriental Garden	268-9633
	Seasons Four	269-0086
	Sunlighting Lamp & Shade Center	268-1122
	Vincent & Vincent of Annapolis	263-6100
	Wig Haus	268-4757
55	Arlan's Dept Str	267-6405
55	Arlan's Dept Str Fine jewlry	263-3737
55	Arlan's Dept Str Major aplncs	267-6409
55	Arlan's Dept Str Tire center	267-6408
85	Kinney Shoes	268-8949

Solomons Island Rd

1011	Kessling Norman A Jr	263-3368
1011	Norton Edw J	263-3368
1024	Bassford Ottie L	263-3106
1027	Brown Wm R	267-7682
1060	Strittmatter Gilbert	263-4247
1070	Parkinson Alexander F	268-8653
1100	Heinbuch Chas F	268-5557
1108	Rinehart Chas F	267-7450
1112	Rebstock Geo W Sr	263-3548
1116	Rinehart Frank	263-6346
1200	Triggs William D Jr	263-3022
1305	Security Constrn Co Inc	268-4647
1307	Shortt Lawrence W	268-1306
1308	Burger Chef Drive-In Restaurant	268-1034
1313	Forest Cleaners	263-5550
1313	Forest Cleaners Laundromat	268-7971
1316	Carrick Edw H	268-3176
1316	Johnson Dorothy	268-3176
1319	Forest Drive Sunoco Svc Station	268-9865
1320	Farmer B A	268-4289
1321	Wayson's Esso Service	269-0861
1321	Wayson's Esso Service	268-3522
1324	Senica Constantine L	268-7611
1338	Stine Wayne A	263-4357
1342	Simmons Ira A	263-2725
1346	Morris Wm J	268-3455

Target Street	Cross Street	Source
-	✓	Greenberry Publications

BAY RIDGE AVE 1966

1804	Wheeler B C	263-2123
1808	Alvestad Alf B	268-5166
1810	Eppard Kenneth	263-5319
1812	Silverman Mace	974-1375
1814	Moreland Raymond C	267-7572
1820	Johnson R R Mrs	268-5613
2001	Moreland Hugh O	268-0017
2009	Torres Dionicio T	268-0680
2011	Simmons Geo Robt	267-7838
2016	Sames Franklin B	263-5228
2018	Tapp Geo G	268-8337
2022	Brandford Melvin P	267-8521
--	Anchorage Tavern & Grille Inc	263-4512
--	Annapolis Broadcasting Corp	267-8707
--	Annapolis Nursing & Convalescent Center	267-8653

Target Street	Cross Street	Source
-	✓	Greenberry Publications

FOREST DR 1966

FOREST DR (Annapolis) 21403

e & w fr Solomons Island Rd

(Solomons Island Rd)

--	Don's Sporting Goods	267-8841
1001	Ward Wm J	268-8658
1011	Jordan E Ronald	263-3368
1011	Kessling Norman A Jr	263-3368
1011	Norton Edw J	263-3368
1024	Bassford Ottie L	263-3106
1027	Brown Wm R	267-7682
1032	Oktavec Jos A	268-3822
1060	Strittmatter Gilbert	263-4247
1070	Parkinson Alexander F	268-8653
1100	Heinbuch Chas F	268-5557
1108	Rinehart Chas F	267-7450
1112	Rebstock Geo W	263-3548
1116	Rinehart Frank	263-6346
1200	Horton Chas F	267-7142
1204	Sears Jas S	268-5719
1307	Shortt Lawrence W	268-1306
1308	Cable Splicing Co	268-8332
1308	Oliver Wm Earl elec contr	268-8332
1312	Grierson Thos E	268-1744
1316	Carrick Edw H	268-3176
1316	Johnson Dorothy	268-3176
1320	Rials Wm T	268-1550
1321	Wayson's Esso Service	268-3522
1330	Wheeler Wanda Lee	268-2878
1342	Cody Jno E	268-5943
1346	Morris Wm J	268-3455
1350	Davis Gerald L	268-8465

Target Street	Cross Street	Source
-	✓	Greenberry Publications

BAY RIDGE AVE 1961

1804	Wheeler B C		3-2123
1808	Alvestad Alf B		8-5166
1810	Owens Saml L		8-1493
1812	Silverman Mace		3-9185
1814	French S G		8-2190
2007	Dignen Emma Lee Mrs		3-3482
2011	Simmons Geo Robt		7-7838
	Anchorage Tavern & Grle		3-4512
	Annapolis Brdcstg Corp		3-2500
	*Annapolis Jr Hi Annex		8-5381
	*Bay Rdg Drive Inn		7-8843
	Beall Allie J		3-3894
	Bonnell Theo V Lt		8-3657
	Boulton Frank	TW	2-4882
	Brandford Melvin P		8-5816
	Branham Geo T		3-3536
	*Burdette Windsor		8-3786
	C & C Grocery		8-1391

Target Street	Cross Street	Source
-	✓	Greenberry Publications

FOREST DR 1961

FOREST DRIVE: (Annapolis)

1006	Brown Wm R	7-7682
1007	Dove Walter W	8-3148
1008	Meade D Brooke	3-5179
1011	Griffie Manual L	3-5190
1011	Jordan E Ronald	3-3368
1011	*Kessling Norman Jr	3-3368
1011	Norton Edw J	3-3368
1013	Thibodeau Dorothy Mrs	3-2939
1015	Kirby Wm H Sr	3-9008
1017	Buser Henry Jr	8-3745
1019	*Wilde Wm H	8-0602
1020	Roberts Wilbur F	8-2088
1028	Harmer Edw T	3-4272
1032	Oktavec Jos A	8-3822
1036	Terry Wm O	8-2597
1037	Donaldson Lawrence	8-8427
1040	*Jones Minna E Mrs	3-3452
1040	Jones Wilbur F	3-3452
1048	Cook Charles	7-7221
1052	Musick Arthur J Jr	3-4286
1060	Strittmatter Gilbert	3-4247
1070	*Morton Robt L	8-0376
1100	Heinbuch Chas F	8-5557
1108	Rinehart Chas F	7-7450
1112	Rebstock Geo W	3-3548
1116	Rinehart Frank	3-6346
1304	Hill Kenneth	8-3715
1308	*Smith Julia Mrs	3-5527
1312	Grierson Thos E	8-8414
1316	Carrick Edw H	8-3176
1320	Conaway Jos J	3-6544
1330	Parkey Cora M Mrs	8-8755
1342	Riley Robt K	3-6783
1350	Taylor Lemuel K	3-2921

Target Street	Cross Street	Source
-	✓	Greenberry Publications

BAY RIDGE AVE 1956

1804	Wheeler B C	3-2123
1808	Mantor Vaughn B	3-5987
1810	Owens Saml L	8-1493
1812	Chambers Reginald B Jr	3-7293
1814	Hall Wm D Cpt	8-3648
2001	Smith Sanford Jr	3-6650
2003	Branham Ralph L	8-2558
2005	Hargis Robt F Lt	8-3452
2007	Dignen Emma Lee Mrs	3-3482
2011	Simmons Geo Robt	3-7838
	Al's Bar	3-4512
	Bonnell Theodore V Lt	8-3657
	Boulton Frank	89-4882
	Branham T Geo	3-3536
	Brown H C	8-3879
	C & C Grocery	8-1391
	Chaney Fredk R	8-2206
	Cronin Wm B	8-2304
	Daggett A J	3-9036
	Gerrior Phillip P	3-2885

Target Street	Cross Street	Source
-	✓	Greenberry Publications

FOREST DR 1956

FOREST DRIVE: (Annapolis)

1001	Jones Wilbur F	3-3452
1002	Webster Benj F	3-6636
1003	Terry Wm O	8-2597
1004	Spriggs Melvin T	3-3828
1005	Oktavec Jos A	8-3822
1006	Brown Wm R	3-7682
1007	Harmer Edw T	3-4272
1008	Meade D Brooke	3-5179
1009	Bassford Ottie Mrs	3-3106
1010	Lewis Hobson S	3-3878
1011	Griffie Manuel L	3-5190
1012	Kirby W Henry	3-9008
1013	Thibodeau Dorothy Mrs	3-2939
1015	Goddard Harry C	8-1738
1017	Buser Henry Jr	8-3745
1018	Bullen W J	8-2270
1140	Fisher Mildred Mrs	8-1804

Appendix E:

Regulatory Records Documentation

Bay Ridge Gardens
1 Bens Drive
Annapolis, MD 21403

Inquiry Number: 8085597.2s
August 21, 2025

FirstSearch Report

6 Armstrong Road, 4th floor
Shelton, CT 06484
Toll Free: 800.352.0050
www.edrnet.com

Search Summary Report

TARGET SITE **1 BENS DRIVE**
ANNAPOLIS, MD 21403

Category	Sel	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
NPL	Y	0	0	0	0	0	0	0
NPL Delisted	Y	0	0	0	0	-	0	0
CERCLIS	Y	0	0	0	0	-	0	0
NFRAP	Y	0	0	0	0	-	0	0
RCRA COR ACT	Y	0	0	0	0	0	0	0
RCRA TSD	Y	0	0	0	0	-	0	0
RCRA GEN	Y	0	0	1	-	-	0	1
Federal IC / EC	Y	0	0	-	-	-	0	0
ERNS	Y	0	1	-	-	-	0	1
State/Tribal CERCLIS	Y	0	0	0	0	0	0	0
State/Tribal SWL	Y	0	0	0	0	0	0	0
State/Tribal LTANKS	Y	0	5	6	25	-	2	38
State/Tribal Tanks	Y	0	2	2	-	-	0	4
State/Tribal IC / EC	Y	0	0	-	-	-	0	0
State/Tribal VCP	Y	0	0	0	0	-	0	0
ST/Tribal Brownfields	Y	0	0	0	0	-	0	0
US Brownfields	Y	0	0	0	0	-	0	0
Other SWF	Y	0	0	0	0	-	0	0
Other Tanks	Y	0	2	-	-	-	0	2
Other	Y	0	5	0	-	-	0	5
EDR Exclusive	Y	0	5	-	-	-	0	5
Exclusive Recovered Govt. Archives	Y	0	-	-	-	-	0	0
	- Totals --	0	20	9	25	0	2	56

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Search Summary Report

TARGET SITE: **1 BENS DRIVE**
ANNAPOLIS, MD 21403

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
NPL	NPL	06/26/2025	1.000	0	0	0	0	0	0	0
	Proposed NPL	06/26/2025	1.000	0	0	0	0	0	0	0
	NPL LIENS	10/15/1991	TP	0	-	-	-	-	0	0
NPL Delisted	Delisted NPL	06/26/2025	0.500	0	0	0	0	-	0	0
CERCLIS	FEDERAL FACILITY	05/05/2025	0.500	0	0	0	0	-	0	0
	SEMS	06/26/2025	0.500	0	0	0	0	-	0	0
NFRAP	SEMS-ARCHIVE	06/26/2025	0.500	0	0	0	0	-	0	0
RCRA COR ACT	CORRACTS	06/02/2025	1.000	0	0	0	0	0	0	0
RCRA TSD	RCRA-TSDF	06/02/2025	0.500	0	0	0	0	-	0	0
RCRA GEN	RCRA-LQG	06/02/2025	0.250	0	0	0	-	-	0	0
	RCRA-SQG	06/02/2025	0.250	0	0	0	-	-	0	0
	RCRA-VSQG	06/02/2025	0.250	0	0	1	-	-	0	1
Federal IC / EC	LUCIS	03/11/2025	0.125	0	0	-	-	-	0	0
	US ENG CONTROLS	05/19/2025	0.125	0	0	-	-	-	0	0
	US INST CONTROLS	05/19/2025	0.125	0	0	-	-	-	0	0
ERNS	ERNS	06/10/2025	0.125	0	1	-	-	-	0	1
State/Tribal CERCLIS	SHWS	10/01/2009	1.000	0	0	0	0	0	0	0
State/Tribal SWL	SWF/LF	03/03/2025	0.750	0	0	0	0	0	0	0
State/Tribal LTANKS	INDIAN LUST	11/18/2024	0.500	0	0	0	0	-	0	0
	OCPCASES	07/01/2025	0.500	0	3	6	25	-	2	36
	HIST LUST	03/01/1999	0.500	0	2	0	0	-	0	2
State/Tribal Tanks	FEMA UST	04/08/2025	0.250	0	0	0	-	-	0	0
	UST	04/01/2025	0.250	0	2	2	-	-	0	4
	AST	04/01/2025	0.250	0	0	0	-	-	0	0
	INDIAN UST	11/18/2024	0.250	0	0	0	-	-	0	0
State/Tribal IC / EC	ENG CONTROLS	11/10/2008	0.125	0	0	-	-	-	0	0
	INST CONTROL	05/30/2025	0.125	0	0	-	-	-	0	0

Search Summary Report

TARGET SITE: **1 BENS DRIVE**
ANNAPOLIS, MD 21403

Category	Database	Update	Radius	Site	1/8	1/4	1/2	> 1/2	ZIP	TOTALS
State/Tribal VCP	INDIAN VCP	07/27/2015	0.500	0	0	0	0	-	0	0
	VCP	03/05/2025	0.500	0	0	0	0	-	0	0
ST/Tribal Brownfields	BROWNFIELDS	05/27/2025	0.500	0	0	0	0	-	0	0
US Brownfields	US BROWNFIELDS	09/09/2024	0.500	0	0	0	0	-	0	0
Other SWF	INDIAN ODI	12/31/1998	0.500	0	0	0	0	-	0	0
	ODI	06/30/1985	0.500	0	0	0	0	-	0	0
Other Tanks	HIST UST	11/21/1996	0.125	0	2	-	-	-	0	2
Other	RCRA NonGen / NLR	06/02/2025	0.250	0	3	0	-	-	0	3
	SCRD DRYCLEANERS	07/30/2021	0.125	0	0	-	-	-	0	0
	TRIS	12/31/2023	TP	0	-	-	-	-	0	0
	RADINFO	07/01/2019	TP	0	-	-	-	-	0	0
	INDIAN RESERV	12/31/2014	1.000	0	0	0	0	0	0	0
	UMTRA	05/15/2025	0.125	0	0	-	-	-	0	0
	LEAD SMELTERS	06/26/2025	TP	0	-	-	-	-	0	0
	US MINES	05/01/2025	0.125	0	0	-	-	-	0	0
	ABANDONED MINES	05/28/2025	0.125	0	0	-	-	-	0	0
	PFAS PROJECT	05/15/2024	0.250	0	0	0	-	-	0	0
	AIRS	03/26/2025	TP	0	-	-	-	-	0	0
	DRYCLEANERS	06/03/2025	0.125	0	2	-	-	-	0	2
EDR Exclusive	EDR MGP	08/28/2009	0.125	0	0	-	-	-	0	0
	EDR Hist Auto	02/20/2007	0.125	0	3	-	-	-	0	3
	EDR Hist Cleaner	02/20/2007	0.125	0	2	-	-	-	0	2
Exclusive Recovered Gov't Archives	RGA HWS		TP	0	-	-	-	-	0	0
	RGA LF		TP	0	-	-	-	-	0	0
	RGA LUST		TP	0	-	-	-	-	0	0
	- Totals --			0	20	9	25	0	2	56

Site Information Report

Request Date: AUGUST 21, 2025
Request Name: VICTOR LUCAS

Search Type: COORD
Job Number: HPS-ENV
Filtered Report

Target Site: 1 BENS DRIVE
ANNAPOLIS, MD 21403

Site Location

	Degrees (Decimal)	Degrees (Min/Sec)	UTMs	
Longitude:	76.492105	76.4921050 - 76° 29' 31.57''	Easting:	370701.9
Latitude:	38.951731	38.9517310 - 38° 57' 6.23''	Northing:	4312271.0
Elevation:	36 ft. above sea level		Zone:	Zone 18

Demographics

Sites: 54 **Non-Geocoded:** 2 **Population:** N/A

RADON

EPA Region 3 Statistical Summary Readings for Zip Code: 21403

Number of sites tested: 364.

Maximum Radon Level: 54.8 pCi/L.
Minimum Radon Level: 2.7 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
326 (89.56%)	28 (7.69%)	8 (2.20%)	1 (0.27%)	1 (0.27%)	0 (0.00%)

Federal EPA Radon Zone for ANNE ARUNDEL County: 2

Note: Zone 1 indoor average level > 4 pCi/L.
: Zone 2 indoor average level >= 2 pCi/L and <= 4 pCi/L.
: Zone 3 indoor average level < 2 pCi/L.

Target Site Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.

No sites found for target address

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
A1	HIST LUST --Case Number: 92-2091AA --Open Or Closed: OPEN	CROWN	2232 BAY RIDGE RD ANNAPOLIS, MD	0.03 SSW	+ 24	1
A2	RCRA NonGen / NLR --EPA ID:: MDD985371145	TEXACO	2232 BAY RIDGE ROAD ANNAPOLIS, MD 21403	0.03 SSW	+ 24	2
A3	UST --Tank Status: Currently In Use --Tank Status: Currently In Use --Tank Status: Currently In Use --Tank Status: Currently In Use --Tank Status: Permanently Out Of Use --Tank Status: Permanently Out Of Use *Additional key fields are available in the Map Findings section	SHELL STATION - PMG 5038	2232 BAY RIDGE AVENUE ANNAPOLIS, MD 21403	0.03 SSW	+ 24	7
A4	EDR Hist Auto	CROWN CENTRAL PETROLEUM CORP	2232 BAY RDGE AV FREST DR ANNAPOLIS, MD 21403	0.03 SSW	+ 24	10
A5	ERNS --Incident Date Time: 1992-03-31 07:05:00 --NRC Report #: 112399		2232 BAYRIDGE ROAD ANNAPOLIS, MD	0.03 SSW	+ 24	11
A6	OCPCASES --Date Closed: 04/04/2005 --Date Closed: 07/09/1999 --Date Closed: 09/17/2007 --Date Closed: 09/17/2007 --Facility Id: 04-1839AA2 --Facility Id: 04-1884AA2 *Additional key fields are available in the Map Findings section	CROWN MD-037	2232 BAY RIDGE AVE ANNAPOLIS, MD 21403	0.03 SSW	+ 24	17
A7	HIST UST --Tank Status: CURRENTL --Tank Status: CURRENTL --Tank Status: CURRENTL --Tank Status: CURRENTL --Tank Status: REMOVED --Tank Status: REMOVED *Additional key fields are available in the Map Findings section	CROWN SER. STATION #MD-37	2232 BAY RIDGE AVE. & FOR ANNAPOLIS, MD 21401	0.03 SSW	+ 24	18
A8	EDR Hist Auto	JACKSON BAY RIDGE CROWN	900 FOREST DR ANNAPOLIS, MD 21403	0.03 SSW	+ 23	20
B9	RCRA NonGen / NLR --EPA ID:: MDD981103088	ADMIRAL (CLEANERS) INC #20	891 BAY RIDGE RD ANNAPOLIS, MD 21403	0.04 South	+ 21	21

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
B10	DRYCLEANERS --Facility Id: 003-0473 --Facility Status: I	ADMIRAL CLEANERS - BAY RIDGE R	891/3 BAY RIDGE ROAD ANNAPOLIS, MD 21401	0.04 South	+ 21	26
B11	EDR Hist Cleaner	ADMIRAL INC	891 BAY RIDGE RD ANNAPOLIS, MD 21403	0.04 South	+ 21	27
B12	EDR Hist Cleaner	ADMIRAL INC	893 BAY RIDGE RD ANNAPOLIS, MD 21403	0.04 South	+ 21	28
A13	EDR Hist Auto	EASTPORT EXXON	1000 FOREST DRIVE ANNAPOLIS, MD 21403	0.07 SSW	+ 32	29
A14	HIST LUST --Case Number: 92-1414AA --Open Or Closed: OPEN	QUIET WATERS EXXON	1000 FOREST DRIVE ANNAPOLIS, MD 21403	0.07 SSW	+ 32	30
A14	OCPCASES --Date Closed: 02/07/2022 --Date Closed: 02/26/1990 --Date Closed: 06/13/2023 --Date Closed: 06/25/1991 --Date Closed: 07/16/2004 --Date Closed: 10/06/1999 *Additional key fields are available in the Map Findings section	QUIET WATERS EXXON	1000 FOREST DRIVE ANNAPOLIS, MD 21403	0.07 SSW	+ 32	31
A14	UST --Tank Status: Currently In Use --Tank Status: Currently In Use --Tank Status: Currently In Use --Tank Status: Permanently Out Of Use --Tank Status: Permanently Out Of Use --Tank Status: Permanently Out Of Use *Additional key fields are available in the Map Findings section	QUIET WATERS EXXON	1000 FOREST DRIVE ANNAPOLIS, MD 21403	0.07 SSW	+ 32	33
A15	HIST UST --Tank Status: CURRENTL --Tank Status: CURRENTL --Tank Status: CURRENTL --Tank Status: REMOVED --Tank Status: REMOVED --Tank Status: REMOVED *Additional key fields are available in the Map Findings section	EXXON STATION #2-7235	1000 FOREST DR ANNAPOLIS, MD 21403	0.07 SSW	+ 32	36
C16	DRYCLEANERS --Facility Id: 003-1117 --Facility Status: I	BLUE RIBBON CLEANERS - HILLSME	114 HILLSMERE DRIVE ANNAPOLIS, MD 21403	0.10 SSW	+ 37	38

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
C17	RCRA NonGen / NLR --EPA ID:: MDR000021782	BLUE RIBBON CLNRS	114 HILLSMERE DR ANNAPOLIS, MD 21403	0.10 SSW	+ 37	39
18	OCPCASES --Date Closed: 08/21/1998 --Facility Id: 97-2296AA2 --Facility Status: CLOSED	JAMES WILLIAMS RESIDENCE	2112 BAY RIDGE AVE ANNAPOLIS, MD 21401	0.11 NW	+ 1	43
D19	RCRA-VSQG --EPA ID:: MDR000008425	BLESS CLEANERS	911 A BAY RIDGE RD ANNAPOLIS, MD 21403	0.13 SSE	+ 24	44
20	OCPCASES --Date Closed: 12/28/2005 --Facility Id: 05-1136AA --Facility Status: CLOSED	SEDIMENT POND	916 BERWICK DR ANNAPOLIS, MD 21403	0.14 NNW	- 15	50
21	OCPCASES --Date Closed: 04/04/2005 --Facility Id: 05-0321AA2 --Facility Status: CLOSED	LEAK/VEH BRN FAIRWINDS CONDO	217 VICTOR PKWY ANNAPOLIS, MD 21403	0.15 ESE	+ 6	51
D22	UST --Tank Status: Permanently Out Of Use --Facility Id: 20501	SNYDER PROPERTY	915 BAY RIDGE ROAD ANNAPOLIS, MD 21403	0.16 SSE	+ 22	52
D23	OCPCASES --Date Closed: 08/01/2017 --Facility Id: 15-0329AA --Facility Status: CLOSED	SNYDER PROPERTY	915 BAY RIDGE RD ANNAPOLIS, MD 21403	0.16 SSE	+ 22	53
E24	UST --Tank Status: Permanently Out Of Use --Tank Status: Permanently Out Of Use --Tank Status: Permanently Out Of Use --Tank Status: Permanently Out Of Use --Facility Id: 1555	S.P.C.A. OF ANNE ARUNDEL COUNT	1815 BAY RIDGE AVENUE ANNAPOLIS, MD 21403	0.23 North	- 15	54
E25	OCPCASES --Date Closed: 06/28/2011 --Date Closed: 09/26/2017 --Facility Id: 04-1596AA --Facility Id: 16-0633AA --Facility Status: CLOSED	SPCA OF ANNE ARUNDEL COUNTY	1815 BAY RIDGE AVE ANNAPOLIS, MD 21403	0.23 North	- 15	56

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
26	OCPCASES --Date Closed: 03/09/1995 --Date Closed: 03/09/1995 --Facility Id: 94-1346AA2 --Facility Status: CLOSED	ROBERT KOCINBA RESIDENCE	1008 TIMBER CREEK DR ANNAPOLIS, MD 21403	0.24 North	- 11	57
27	OCPCASES --Date Closed: 11/20/1996 --Facility Id: 97-0943AA2 --Facility Status: CLOSED	SHEAN RESIDENCE	4 WINDWHISPER LANE ANNAPOLIS, MD 21403	0.25 ENE	- 21	58
28	OCPCASES --Date Closed: 08/02/1999 --Facility Id: 99-2395AA2 --Facility Status: CLOSED	GIANT FOOD STORE #167	948 BAY RIDGE RD ANNAPOLIS, MD 21403	0.27 SE	+ 21	59
29	OCPCASES --Date Closed: 08/31/2020 --Date Closed: --Facility Id: 19-0477AA --Facility Id: 23-0215AA --Facility Status: CLOSED --Facility Status: OPEN *Additional key fields are available in the Map Findings section	SHIRLEY PRAIRIE RESIDENCE	919 OLD ANNAPOLIS NECK RD ANNAPOLIS, MD 21403	0.29 SSE	+ 16	60
30	OCPCASES --Date Closed: 08/18/1998 --Facility Id: 97-1276AA2 --Facility Status: CLOSED	TIM SLOGER RESIDENCE	98 EDGEMERE DR ANNAPOLIS, MD 21403	0.32 South	+ 15	61
31	OCPCASES --Date Closed: 12/17/2013 --Facility Id: 11-0270AA --Facility Status: CLOSED	GORDON THOMAS RESIDENCE	927 OLD ANNAPOLIS NECK RD ANNAPOLIS, MD 21403	0.32 SSE	+ 16	62
32	OCPCASES --Date Closed: 11/21/2019 --Facility Id: 20-0223AA --Facility Status: CLOSED	KAREN GILL RESIDENCE	1023 FOREST HILLS AVE ANNAPOLIS, MD 21403	0.35 WNW	+ 52	63
33	OCPCASES --Date Closed: 07/07/2021 --Date Closed: 10/25/1996 --Facility Id: 20-0498AA --Facility Id: 97-0795AA2 --Facility Status: CLOSED	TYLER HEIGHTS ELEMENTARY SCHOO	200 JANWAL STREET ANNAPOLIS, MD 21403	0.37 NW	+ 25	64

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
F34	OCPCASES --Date Closed: 12/17/2010 --Facility Id: 04-0520AA --Facility Status: CLOSED	ZUECH RESIDENTIAL PROPERTY	2846 CARROLLTON RD ANNAPOLIS, MD 21403	0.40 SE	+ 17	65
35	OCPCASES --Date Closed: 10/13/1998 --Facility Id: 98-0807AA2 --Facility Status: CLOSED	HYDRAULIC OIL SPILL	968 YACHTSMAN WAY ANNAPOLIS, MD 21401	0.40 ENE	- 21	66
F36	OCPCASES --Date Closed: 07/08/2021 --Facility Id: 21-0577AA --Facility Status: CLOSED	MICHAEL CHRONISTER RESIDENCE	2850 CARROLLTON RD ANNAPOLIS, MD 21403	0.40 SE	+ 21	67
G37	OCPCASES --Date Closed: 11/15/1993 --Facility Id: 93-1514AA2 --Facility Status: CLOSED	JOE BOSWELL RESIDENCE	2830 CARROLLTON RD ANNAPOLIS, MD 21403	0.41 ESE	+ 10	68
G38	OCPCASES --Date Closed: 09/02/2003 --Facility Id: 02-1141AA2 --Facility Status: CLOSED	TERRY WRIGHT RESIDENCE	2830 CARROLLTON RD ANNAPOLIS, MD 21403	0.41 ESE	+ 10	69
39	OCPCASES --Date Closed: 09/20/2006 --Facility Id: 06-0497AA2 --Facility Status: CLOSED	CHARLES METZGER RESIDENCE	297 CEDAR LANE ANNAPOLIS, MD 21403	0.42 South	+ 8	70
40	OCPCASES --Date Closed: 04/02/1996 --Facility Id: 96-1379AA2 --Facility Status: CLOSED	HOPKINSON RESIDENCE	2837 CARROLTON RD ANNAPOLIS, MD 21403	0.43 ESE	+ 11	71
H41	OCPCASES --Date Closed: 07/08/2020 --Facility Id: 20-0539AA --Facility Status: CLOSED	ETHEL BILDERBACK RESIDENCE	713 WARREN DR ANNAPOLIS, MD 21403	0.43 NE	- 31	72
42	OCPCASES --Date Closed: 02/24/2000 --Facility Id: 99-1408AA2 --Facility Status: CLOSED	CITY OF ANNAPOLIS LIFT STATION	KING JAMES LANDING RD ANNAPOLIS, MD 21403	0.44 ENE	- 21	73

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
43	OCPCASES --Date Closed: 07/30/2004 --Facility Id: 04-0643AA2 --Facility Status: CLOSED	FRANCES PALMERI RESIDENCE	111 HICKORY LANE ANNAPOLIS, MD 21403	0.44 South	+ 5	74
I44	OCPCASES --Date Closed: 10/03/2014 --Facility Id: 14-0722AA --Facility Status: CLOSED	HSU PROPERTY	299 HILLSMERE DR ANNAPOLIS, MD 21403	0.45 South	+ 19	75
J45	OCPCASES --Date Closed: --Facility Id: 18-0297AA --Facility Status: OPEN	CHARLOTTE BROWN RESIDENCE	1236 CROWS NEST CT ANNAPOLIS, MD 21403	0.46 WNW	+ 32	76
H46	OCPCASES --Date Closed: 03/03/1995 --Facility Id: 95-1996AA2 --Facility Status: CLOSED	ANTHONY TRUBISZ PROPERTY	708 WARREN DR ANNAPOLIS, MD 21403	0.46 NE	- 35	77
47	OCPCASES --Date Closed: --Facility Id: 96-2097AA2 --Facility Status: CLOSED	DOROTHY SLOANE RESIDENCE	2831 CARROLTON RD ANNAPOLIS, MD 21403	0.46 ESE	+ 6	78
48	OCPCASES --Date Closed: 08/21/1998 --Facility Id: 98-0029AA2 --Facility Status: CLOSED	CHARLES RUSSELL RESIDENCE	2804 CARROLLTON RD ANNAPOLIS, MD 21401	0.48 East	+ 3	79
J49	OCPCASES --Date Closed: 07/06/2006 --Facility Id: 06-1061AA --Facility Status: CLOSED	MARTLA JOHNSON	1244 CROWS NEST CT ANNAPOLIS, MD 21403	0.49 WNW	+ 25	80
50	OCPCASES --Date Closed: 08/29/2023 --Facility Id: 24-0020AA --Facility Status: CLOSED	ELIZABETH BERNSTEIN RESIDENCE	700 WARREN DR ANNAPOLIS, MD 21403	0.49 NE	- 36	81
51	OCPCASES --Date Closed: 10/24/2014 --Facility Id: 11-0614AA --Facility Status: CLOSED	DAVID FOXWELL RESIDENCE	1207 MARDA LANE ANNAPOLIS, MD 21401	0.50 WNW	+ 22	82

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
I52	OCPCASES --Date Closed: 10/13/1998 --Facility Id: 98-0756AA2 --Facility Status: CLOSED	TERRY REEVE RESIDENCE	303 HILLSMERE DR ANNAPOLIS, MD 21401	0.50 South	+ 11	83

Sites Summary Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

TOTAL: 56 GEOCODED: 54 NON GEOCODED: 2

Map ID	DB Type --ID/Status	Site Name	Address	Dist/Dir	ElevDiff	Page No.
	OCPCASES --Date Closed: 03/10/1995 --Facility Id: 95-1523AA2 --Facility Status: CLOSED	OIL SPILL - LEAKING VEHICLE	ARUNDEL ON THE BAY RD ANNAPOLIS, MD 21403	NON GC	N/A	84
	OCPCASES --Date Closed: 02/15/2000 --Facility Id: 98-2525AA2 --Facility Status: CLOSED	CARROLL S WAGNER, DRIVER, MOBI	FOREST DR ANNAPOLIS, MD 21403	NON GC	N/A	85

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

HIST LUST

EDR ID: 1000448090 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A1

NAME: CROWN

ADDRESS: 2232 BAY RIDGE RD
ANNAPOLIS, MD

SOURCE: MD Department of the Environment

Rev: 03/01/1999
ID/Status: Case Number: 92-2091AA
ID/Status: Open Or Closed: OPEN

Historical LUST:
Recover Type: Automatic - 24 hour remediation system is on site
County: ANNE ARUNDEL
Case Number: 92-2091AA
Open/Closed: OPEN

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1015743496 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A2

NAME: TEXACO

ADDRESS: 2232 BAY RIDGE ROAD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD985371145

SOURCE: US Environmental Protection Agency

RCRA Listings:
Date Form Received by Agency: 20120323
Handler Name: Crown Station Md 037
Handler Address: 2232 Bay Ridge Rd
Handler City,State,Zip: ANNAPOLIS, MD 21403
EPA ID: MDD985371145
Contact Name: RICHARD DIXON
Contact Address: 2232 BAY RIDGE RD
Contact City,State,Zip: ANNAPOLIS, MD 21403
Contact Telephone: 301-761-9243
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 03
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 2232 BAY RIDGE RD
Mailing City,State,Zip: ANNAPOLIS, MD 21403
Owner Name: Crown Stations Inc
Owner Type: Private
Operator Name: Opername
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1015743496 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A2

NAME: TEXACO

ADDRESS: 2232 BAY RIDGE ROAD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD985371145

SOURCE: US Environmental Protection Agency

Sub-Part K Indicator: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20120329
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D018
Waste Description: Benzene

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: CROWN STATIONS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1168
Owner/Operator City,State,Zip: BALTIMORE, MD 21203
Owner/Operator Telephone: 301-539-7400
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1015743496 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A2

NAME: TEXACO

ADDRESS: 2232 BAY RIDGE ROAD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD985371145

SOURCE: US Environmental Protection Agency

Owner/Operator Name: OPERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OPERSTREET
Owner/Operator City,State,Zip: OPERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: CROWN STATIONS INC
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 1168
Owner/Operator City,State,Zip: BALTIMORE, MD 21203
Owner/Operator Telephone: 301-539-7400
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OPERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OPERSTREET
Owner/Operator City,State,Zip: OPERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20120323
Handler Name: CROWN STATION MD 037
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1015743496 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A2

NAME: TEXACO

ADDRESS: 2232 BAY RIDGE ROAD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD985371145

SOURCE: US Environmental Protection Agency

Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19900705
Handler Name: CROWN STATION MD 037
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000224
Handler Name: CROWN STATION MD-037
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Has the Facility Received Notices of Violations:
Found Violation: No
Agency Which Determined Violation: Not reported
Violation Short Description: Not reported
Date Violation was Determined: Not reported
Actual Return to Compliance Date: Not reported
Return to Compliance Qualifier: Not reported
Violation Responsible Agency: Not reported
Scheduled Compliance Date: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1015743496 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A2

NAME: TEXACO

ADDRESS: 2232 BAY RIDGE ROAD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD985371145

SOURCE: US Environmental Protection Agency

Enforcement Identifier: Not reported
Date of Enforcement Action: Not reported
Enforcement Responsible Agency: Not reported
Enforcement Docket Number: Not reported
Enforcement Attorney: Not reported
Corrective Action Component: Not reported
Appeal Initiated Date: Not reported
Appeal Resolution Date: Not reported
Disposition Status Date: Not reported
Disposition Status: Not reported
Disposition Status Description: Not reported
Consent/Final Order Sequence Number: Not reported
Consent/Final Order Respondent Name: Not reported
Consent/Final Order Lead Agency: Not reported
Enforcement Type: Not reported
Enforcement Responsible Person: Not reported
Enforcement Responsible Sub-Organization: Not reported
SEP Sequence Number: Not reported
SEP Expenditure Amount: Not reported
SEP Scheduled Completion Date: Not reported
SEP Actual Date: Not reported
SEP Defaulted Date: Not reported
SEP Type: Not reported
SEP Type Description: Not reported
Proposed Amount: Not reported
Final Monetary Amount: Not reported
Paid Amount: Not reported
Final Count: Not reported
Final Amount: Not reported

Evaluation Action Summary:
Evaluation Date: 20120323
Evaluation Responsible Agency: State
Found Violation: No
Evaluation Type Description: COMPLIANCE EVALUATION INSPECTION
Evaluation Responsible Person Identifier: MDBO
Evaluation Responsible Sub-Organization: Not reported
Actual Return to Compliance Date: Not reported
Scheduled Compliance Date: Not reported
Date of Request: Not reported
Date Response Received: Not reported
Request Agency: Not reported
Former Citation: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: U003752579 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A3

NAME: SHELL STATION - PMG 5038

ADDRESS: 2232 BAY RIDGE AVENUE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Permanently Out Of Use

UST:
Facility Id: 4352
Oper Name: PMIG 1001, LLC
Form Name: Michael T. Frank
Form Title: Environmental Compliance Manager
Form Date: 02/04/2021
Owner Id: 10028

Owner:
Owner Name: PMIG 1001, LLC
Owner Address: 2900 Telestar Court
Owner City: Falls Church
Owner State: VA
Owner Zip: 22042
Owner Phone: (443) 910-3630
Owner Contact: Mike Frank

Tanks:
Tank ID: 1
Tank Status: Currently In Use
Tank Capacity: 10000
Substance Description: Gasohol
Tank Compartment: False
Compartment Compartment: A
Date Installed: 08/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Fiberglass Reinforced Plastic

Tank ID: 2
Tank Status: Currently In Use
Tank Capacity: 10000
Substance Description: Gasohol
Tank Compartment: False
Compartment Compartment: A
Date Installed: 08/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Fiberglass Reinforced Plastic

Tank ID: 3
Tank Status: Currently In Use
Tank Capacity: 10000
Substance Description: Gasohol
Tank Compartment: False
Compartment Compartment: A

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: U003752579 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A3

NAME: SHELL STATION - PMG 5038

ADDRESS: 2232 BAY RIDGE AVENUE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Permanently Out Of Use

Date Installed: 08/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Fiberglass Reinforced Plastic

Tank ID: 4
Tank Status: Currently In Use
Tank Capacity: 10000
Substance Description: Diesel
Tank Compartment: False
Compartment Compartment: A
Date Installed: 08/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Fiberglass Reinforced Plastic

Tank ID: 5
Tank Status: Permanently Out Of Use
Tank Capacity: 10000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1974
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Bare or Galvanized Steel

Tank ID: 6
Tank Status: Permanently Out Of Use
Tank Capacity: 10000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1974
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Bare or Galvanized Steel

Tank ID: 7
Tank Status: Permanently Out Of Use
Tank Capacity: 10000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1974
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Bare or Galvanized Steel

Tank ID: 8

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: U003752579 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A3

NAME: SHELL STATION - PMG 5038

ADDRESS: 2232 BAY RIDGE AVENUE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Permanently Out Of Use

Tank Status: Permanently Out Of Use
Tank Capacity: 10000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1974
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Bare or Galvanized Steel

Tank ID: 9
Tank Status: Permanently Out Of Use
Tank Capacity: 1000
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A
Date Installed: Not reported
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Copper

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

EDR Hist Auto

EDR ID: 1020994753 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A4

NAME: CROWN CENTRAL PETROLEUM CORP **Rev:** 02/20/2007

ADDRESS: 2232 BAY RDGE AV FREST DR
ANNAPOLIS, MD 21403

SOURCE: US EDR, Inc.

EDR Hist Auto:

Year:	Name: Type:
1989	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1990	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1991	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1992	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1993	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1994	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1995	JACKSON BAY RIDGE CROWN: Gasoline Service Stations, NEC
1996	JACKSON BAY RIDGE CROWN INC: Gasoline Service Stations, NEC
1997	JACKSON BAY RIDGE CROWN INC: Gasoline Service Stations, NEC
2000	CROWN CENTRAL PETROLEUM CORP: Petroleum Refining
2001	FAST FARE INC: Convenience Stores
2002	FAST FARE INC: Convenience Stores
2003	FAST FARE INC: Convenience Stores
2004	FAST FARE INC: Convenience Stores
2005	FAST FARE INC: Convenience Stores
2006	FAST FARE INC: Convenience Stores
2007	FAST FARE INC: Convenience Stores
2008	FAST FARE INC: Convenience Stores
2009	FAST FARE INC: Convenience Stores
2010	FAST FARE INC: Convenience Stores
2011	FAST FARE INC: Convenience Stores
2012	FAST FARE INC: Convenience Stores
2013	FAST FARE INC: Convenience Stores
2014	FAST FARE INC: Convenience Stores

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

ERNS

EDR ID: 92112399 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A5

NAME:

ADDRESS: 2232 BAYRIDGE ROAD
ANNAPOLIS, MD

Rev: 06/10/2025
ID/Status: Incident Date Time: 1992-03-31 07:05:00
ID/Status: NRC Report #: 112399

SOURCE: US National Response Center, United States Coast Guard

Incident Commons:
NRC Report #: 112399
Description of Incident: CALLER STATED THAT GASOLINE IS COMING UP THROUGH THE GROUND/ POSSIBLEUNDERGROUND STORAGE TANK PROBLEM
Type of Incident: FIXED
Incident Cause: UNKNOWN
Incident Date Time: 1992-03-31 07:05:00
Incident DTG: DISCOVERED
Incident Location: Not reported
Loaction Address: 2232 BAYRIDGE ROAD
Location Street 1: Not reported
Location Street 2: Not reported
Location Nearest City: ANNAPOLIS
Location State: MD
Location County: ANNE ARUNDEL
Location Zip: Not reported
Distance From City: Not reported
Distance Units: Not reported
Direction From City: Not reported
Lat Deg: Not reported
Lat Min: Not reported
Lat Sec: Not reported
Lat Quad: Not reported
Long Deg: Not reported
Long Min: Not reported
Long Sec: Not reported
Long Quad: Not reported
Location Section: Not reported
Location Township: Not reported
Location range: Not reported
Potential Range: Not reported

Incidents:
Year: 1992
NRC Report #: 112399
Aircraft Type: UNKNOWN
Aircraft Model: Not reported
Aircraft ID: Not reported
Aircraft Fuel Capacity: Not reported
Aircraft Fuel Capacity Units: Not reported
Aircraft Fuel on Board: Not reported
Aircraft Fuel on Board Units: Not reported
Aircraft Spot Number: Not reported
Aircraft Hanger: Not reported
Aircraft Runway Number: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

ERNS

EDR ID: 92112399 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A5

NAME:

ADDRESS: 2232 BAYRIDGE ROAD
ANNAPOLIS, MD

Rev: 06/10/2025
ID/Status: Incident Date Time: 1992-03-31 07:05:00
ID/Status: NRC Report #: 112399

SOURCE: US National Response Center, United States Coast Guard

Road Mile Marker: Not reported
Building ID: Not reported
Type of Fixed Object: UNKNOWN
Power Generating Facility: U
Generating Capacity: Not reported
Type of Fuel: Not reported
NPDES: Not reported
NPDES Compliance: U
Pipeline Type: UNKNOWN
DOT Regulated: U
Pipeline Above Ground: ABOVE
Exposed Underwater: U
Pipeline Covered: U
Railroad Hotline: N
Grade Crossing: N
Location Subdivision: Not reported
Railroad Milepost: UNKNOWN
Type Vehicle Involved: UNKNOWN
Crossing Device Type: Not reported
Device Operational: Y
DOT Crossing Number: Not reported
Brake Failure: N
Description of Tank: Not reported
Tank Above Ground: ABOVE
Transportable Container: U
Tank Regulated: U
Tank Regulated By: Not reported
Tank ID: Not reported
Capacity of Tank: Not reported
Capacity of Tank Units: Not reported
Actual Amount: Not reported
Actual Amount Units: Not reported
Platform Rig Name: Not reported
Platform Letter: Not reported
Location Area ID: Not reported
Location Block ID: Not reported
OCSG Number: Not reported
OCSP Number: Not reported
State Lease Number: Not reported
Pier Dock Number: Not reported
Berth Slip Number: Not reported
Continuous Release Type: Not reported
Initial Continuous Release No: Not reported
Continuous Release Permit: Not reported
Allision: N

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

ERNS

EDR ID: 92112399 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A5

NAME:

ADDRESS: 2232 BAYRIDGE ROAD
ANNAPOLIS, MD

Rev: 06/10/2025
ID/Status: Incident Date Time: 1992-03-31 07:05:00
ID/Status: NRC Report #: 112399

SOURCE: US National Response Center, United States Coast Guard

Type of Structure: Not reported
Structure Name: Not reported
Structure Operational: Y
Airbag Deployed: Not reported
Date Tiem Normal Service: Not reported
Service Disruption Time: Not reported
Service Disruption Units: Not reported
Transit Bus Flag: Not reported
CR Begin Date: Not reported
CR End Date: Not reported
CR Change Date: Not reported
FBI Contact: Not reported
FBI Contact Date Time: Not reported
Sub Part C Testing Req: XXX
Conductor Testing: Not reported
Engineer Testing: Not reported
Trainman Testing: Not reported
Yard Foreman Testing: Not reported
RCL Operator Testing: Not reported
Brakeman Testing: Not reported
Train Dispatcher Testing: Not reported
Signalman Testing: Not reported
Other Employee Testing: Not reported
Unknown Testing: Not reported
Passenger Handling: Not reported
Passenger Route: XXX
Passenger Delay: XXX

Incident Details:
Year: 1992
NRC Report #: 112399
Fire Involved: N
Fire Extinguished: Not reported
Any Evacuations: N
Number Evacuated: Not reported
Who Evacuated: Not reported
Radius of Evacuation: Not reported
Any Injuries: U
Number Injured: Not reported
Number Hospitalized: Not reported
Any Fatalities: U
Number Fatalities: Not reported
Any Damages: N
Damage Amount: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

ERNS

EDR ID: 92112399 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A5

NAME:

ADDRESS: 2232 BAYRIDGE ROAD
ANNAPOLIS, MD

Rev: 06/10/2025
ID/Status: Incident Date Time: 1992-03-31 07:05:00
ID/Status: NRC Report #: 112399

SOURCE: US National Response Center, United States Coast Guard

Air Corridor Closed: Not reported
Air Corridor Desc: Not reported
Air Closure Time: Not reported
Waterway Closed: Not reported
Waterway Desc: Not reported
Waterway Closure Time: Not reported
Road Closed: Not reported
Road Desc: Not reported
Road Closure Time: Not reported
Closure Direction: Not reported
Major Artery: Not reported
Track Closed: Not reported
Track Desc: Not reported
Track Closure Time: Not reported
Media Interest: Not reported
Medium Desc: SUBSURFACE
Additional Medium Info: SOIL
Body of Water: Not reported
Tributary of: Not reported
Release Secured: Not reported
Estimated Duration of Release: Not reported
Release rate: Not reported
Desc Remedial Action: CREW EN ROUTE TO INVESTIGATE
State Agency on Scene: Not reported
State Agency Report Number: Not reported
Other Agency Notified: Not reported
Weather Conditions: Not reported
Air Temperature: Not reported
Wind Speed: Not reported
Wind Direction: Not reported
Water Supply Contaminated: Not reported
Sheen Size: Not reported
Sheen Color: Not reported
Direction of Sheen Travel: Not reported
Sheen Odor Description: Not reported
Wave Condition: Not reported
Current Speed: Not reported
Current Direction: Not reported
Water Temperature: Not reported
Track Close Dir: Not reported
Empl Fatality: Not reported
Pass Fatality: Not reported
Community Impact: Not reported
Wind Speed Unit: Not reported
Employee Injuries: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

ERNS

EDR ID: 92112399 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A5

NAME:

ADDRESS: 2232 BAYRIDGE ROAD
ANNAPOLIS, MD

Rev: 06/10/2025
ID/Status: Incident Date Time: 1992-03-31 07:05:00
ID/Status: NRC Report #: 112399

SOURCE: US National Response Center, United States Coast Guard

Passenger Injuries: Not reported
Occupant Fatality: Not reported
Current Speed Unit: Not reported
Road Closure Units: Not reported
Track CLosure Units: Not reported
Sheen Size Units: Not reported
Additional Info: Not reported
State Agency Notified: Not reported
Federal Agency Notified: Not reported
nearest River Mile Marker: Not reported
Sheen Size Length: Not reported
Sheen Size Length Units: Not reported
Sheen Size Width: Not reported
Sheen Size Width Units: Not reported
Offshore: Not reported
Duration Unit: Not reported
Release Rate Unit: Not reported
Release Rate Rate: Not reported
Passengers Transferred: UNK

Calls:
Year: 1992
NRC Report #: 112399
Site ID: 92112399
Date Time Received: 1992-03-31 07:08:58
Date Time Complete: 1992-03-31 07:14:21
Call Type: INC
Responsible Company: CROWN CENTRAL PETROLEUM
Responsible Org Type: PRIVATE ENTERPRISE
Responsible City: BALTIMORE
Responsible State: MD
Responsible Zip: 21226
On Behalf: Not reported
Source: UNAVAILABLE

Material Involved:
Year: 1992
NRC Report #: 112399
Chris Code: GAT
Case Number: Not reported
UN Number: Not reported
Amount of Material: 0
Unit of Measure: UNKNOWN AMOUNT
Name of Material: GASOLINE: AUTOMOTIVE (4.23G PB/G

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

ERNS

EDR ID: 92112399 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A5

NAME:

ADDRESS: 2232 BAYRIDGE ROAD
ANNAPOLIS, MD

Rev: 06/10/2025
ID/Status: Incident Date Time: 1992-03-31 07:05:00
ID/Status: NRC Report #: 112399

SOURCE: US National Response Center, United States Coast Guard

If Reached Water: YES
Amount in Water: 0
Unit of Measure Reach Water: NONE

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104609065 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A6

NAME: CROWN MD-037

ADDRESS: 2232 BAY RIDGE AVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 04/04/2005
ID/Status: Date Closed: 07/09/1999
ID/Status: Date Closed: 09/17/2007
ID/Status: Date Closed: 09/17/2007
ID/Status: Facility Id: 04-1839AA2

OCPCASES:
Name: CROWN MD-037
Address: 2232 BAY RIDGE RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 04-1839AA2
Facility Status/Code: CLOSED/Well/GW Contamination - Motor/Lube Oil
Date Open: 05/10/2004
Date Closed: 09/17/2007
Release: YES
Cleanup: YES
Registration Number: 4352

Name: CROWN MD-037
Address: 2232 BAY RIDGE AVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 04-1884AA2
Facility Status/Code: CLOSED/Well/GW Contamination - Motor/Lube Oil
Date Open: 05/13/2004
Date Closed: 09/17/2007
Release: YES
Cleanup: YES
Registration Number: 4352

Name: CROWN MD-037
Address: 2232 BAY RIDGE AVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 05-0699AA
Facility Status/Code: CLOSED/Surface Spill from UST - Motor/Lube Oil
Date Open: 12/06/2004
Date Closed: 04/04/2005
Release: YES
Cleanup: YES
Registration Number: 4352

Name: CROWN MD-037
Address: 2232 BAY RIDGE AVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 92-2091AA2
Facility Status/Code: CLOSED/Tank Closure - Motor/Lube Oil
Date Open: 03/31/1992
Date Closed: 07/09/1999
Release: YES
Cleanup: YES
Registration Number: 4352

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

HIST UST

EDR ID: S104629243 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A7

NAME: CROWN SER. STATION #MD-37

ADDRESS: 2232 BAY RIDGE AVE. & FOREST
ANNAPOLIS, MD 21401

SOURCE: MD Department of Environment

Rev: 11/21/1996
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: REMOVED

Historical UST:
Facility ID: 3001184
Tank ID: 001
Age: 22
Capacity: 10,080
Tank Status: Removed
Product: Gasoline

Facility ID: 3001184
Tank ID: 002
Age: 22
Capacity: 10,080
Tank Status: Removed
Product: Gasoline

Facility ID: 3001184
Tank ID: 003
Age: 22
Capacity: 10,080
Tank Status: Removed
Product: Gasoline

Facility ID: 3001184
Tank ID: 004
Age: 22
Capacity: 10270
Tank Status: Removed
Product: Gasoline

Facility ID: 3001184
Tank ID: 005
Age: 4
Capacity: 10,000
Tank Status: Currently in use
Product: Gasoline

Facility ID: 3001184
Tank ID: 006
Age: 4
Capacity: 10,000
Tank Status: Currently in use
Product: Gasoline

Facility ID: 3001184

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

HIST UST

EDR ID: S104629243 **DIST/DIR:** 0.027 SSW **ELEVATION:** 60 **MAP ID:** A7

NAME: CROWN SER. STATION #MD-37

ADDRESS: 2232 BAY RIDGE AVE. & FOREST
ANNAPOLIS, MD 21401

SOURCE: MD Department of Environment

Rev: 11/21/1996
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: REMOVED

Tank ID: 007
Age: 4
Capacity: 10,000
Tank Status: Currently in use
Product: Gasoline

Facility ID: 3001184
Tank ID: 008
Age: 4
Capacity: 10,000
Tank Status: Currently in use
Product: Diesel

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

EDR Hist Auto

EDR ID: 1021194106 **DIST/DIR:** 0.030 SSW **ELEVATION:** 59 **MAP ID:** A8 Client Plot

NAME: JACKSON BAY RIDGE CROWN **Rev:** 02/20/2007

ADDRESS: 900 FOREST DR
ANNAPOLIS, MD 21403

SOURCE: US EDR, Inc.

EDR Hist Auto:

Year:	Name:	Type:
1986	JACKSON BAY RIDGE CROWN:	Gasoline Service Stations
1987	JACKSON BAY RIDGE CROWN:	Gasoline Service Stations
1988	JACKSON BAY RIDGE CROWN:	Gasoline Service Stations

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1011488937 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B9

NAME: ADMIRAL (CLEANERS) INC #20

ADDRESS: 891 BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD981103088

SOURCE: US Environmental Protection Agency

RCRA Listings:
Date Form Received by Agency: 20250515
Handler Name: Admiral (Cleaners) Inc #20
Handler Address: 891 Bay Ridge Rd
Handler City,State,Zip: ANNAPOLIS, MD 21403
EPA ID: MDD981103088
Contact Name: SCOTT G KERRIDGE
Contact Address: PO BOX 6730
Contact City,State,Zip: ANNAPOLIS, MD 21401
Contact Telephone: 410-267-8381
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 03
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: P.O. BOX 6730
Mailing City,State,Zip: ANNAPOLIS, MD 21401
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1011488937 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B9

NAME: ADMIRAL (CLEANERS) INC #20

ADDRESS: 891 BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD981103088

SOURCE: US Environmental Protection Agency

Sub-Part K Indicator: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20250515
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D000
Waste Description: Not Defined

Waste Code: D007
Waste Description: Chromium

Waste Code: D039
Waste Description: Tetrachloroethylene

Waste Code: D040
Waste Description: Trichloroethylene

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2,

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1011488937 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B9

NAME: ADMIRAL (CLEANERS) INC #20

ADDRESS: 891 BAY RIDGE RD
ANNAPOLIS, MD 21403

SOURCE: US Environmental Protection Agency

Rev: 06/02/2025
ID/Status: EPA ID:: MDD981103088

Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:
Owner/Operator Indicator: Operator
Owner/Operator Name: ADMIRAL INC
Legal Status: Private
Date Became Current: 20060717
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 6730
Owner/Operator City,State,Zip: ANNAPOLIS, MD 21401
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: ADMIRAL INC
Legal Status: Private
Date Became Current: 20060717
Date Ended Current: Not reported
Owner/Operator Address: PO BOX 6730
Owner/Operator City,State,Zip: ANNAPOLIS, MD 21401
Owner/Operator Telephone: Not reported
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: OPERNAME
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: OPERSTREET
Owner/Operator City,State,Zip: OPERCITY, AK 99999
Owner/Operator Telephone: 215-555-1212
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1011488937 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B9

NAME: ADMIRAL (CLEANERS) INC #20

ADDRESS: 891 BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDD981103088

SOURCE: US Environmental Protection Agency

Historic Generators:
Receive Date: 20080214
Handler Name: ADMIRAL (CLEANERS) INC #20
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20250515
Handler Name: ADMIRAL (CLEANERS) INC #20
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 19851106
Handler Name: ADMIRAL INC #20
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81232
NAICS Description: Drycleaning And Laundry Services (Except Coin-Operated)

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1011488937 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B9

NAME: ADMIRAL (CLEANERS) INC #20

ADDRESS: 891 BAY RIDGE RD
ANNAPOLIS, MD 21403

SOURCE: US Environmental Protection Agency

Rev: 06/02/2025
ID/Status: EPA ID:: MDD981103088

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

DRYCLEANERS

EDR ID: S106488896 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B10

NAME: ADMIRAL CLEANERS - BAY RIDGE ROAD

ADDRESS: 891/3 BAY RIDGE ROAD
ANNAPOLIS, MD 21401

Rev: 06/03/2025
ID/Status: Facility Id: 003-0473
ID/Status: Facility Status: I

SOURCE: MD Department of the Environmental

Drycleaners:
Name: ADMIRAL CLEANERS - BAY RIDGE ROAD
Address: 891/3 BAY RIDGE ROAD
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 003-0473
SIC Code: 7216
Fstatus Decode: Inactive
Facility Status: Inactive

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

EDR Hist Cleaner

EDR ID: 1019921568 **DIST/DIR:** 0.042 South **ELEVATION:** 57 **MAP ID:** B11

NAME: ADMIRAL INC **Rev:** 02/20/2007

ADDRESS: 891 BAY RIDGE RD
ANNAPOLIS, MD 21403

SOURCE: US EDR, Inc.

EDR Hist Cleaner:

Year:	Name:	Type:
2000	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2001	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2002	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2003	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2004	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2005	ADMIRAL INC:	Drycleaning Plants, Except Rugs

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

EDR Hist Cleaner

EDR ID: 1019921570 **DIST/DIR:** 0.044 South **ELEVATION:** 57 **MAP ID:** B12

NAME: ADMIRAL INC **Rev:** 02/20/2007

ADDRESS: 893 BAY RIDGE RD
ANNAPOLIS, MD 21403

SOURCE: US EDR, Inc.

EDR Hist Cleaner:

Year:	Name:	Type:
1999	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2006	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2007	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2008	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2009	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2010	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2011	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2012	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2013	ADMIRAL INC:	Drycleaning Plants, Except Rugs
2014	ADMIRAL INC:	Drycleaning Plants, Except Rugs

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

EDR Hist Auto

EDR ID: 1022061088 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A13

NAME: EASTPORT EXXON **Rev:** 02/20/2007

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

SOURCE: US EDR, Inc.

EDR Hist Auto:

Year:	Name: Type:
1978	EASTPORT EXXON: Gasoline Service Stations
1979	EASTPORT EXXON: Gasoline Service Stations
1980	EASTPORT EXXON: Gasoline Service Stations
1982	EASTPORT EXXON: Gasoline Service Stations
1983	EASTPORT EXXON: Gasoline Service Stations
1985	EASTPORT EXXON: Gasoline Service Stations
1986	EASTPORT EXXON: Gasoline Service Stations
1987	EASTPORT EXXON: Gasoline Service Stations
1988	EASTPORT EXXON: Gasoline Service Stations
1989	EASTPORT EXXON: Gasoline Service Stations
1990	EASTPORT EXXON: Gasoline Service Stations
1991	EASTPORT EXXON: Gasoline Service Stations
1992	EASTPORT EXXON: Gasoline Service Stations
1993	EASTPORT EXXON: Gasoline Service Stations
1994	QUIET WATUS EXXON INC: Gasoline Service Stations
1995	QUIET WATUS EXXON INC: Gasoline Service Stations
1996	QUIET WATUS EXXON INC: Gasoline Service Stations
1997	QUIET WATERS EXXON INC: Gasoline Service Stations
1998	QUIET WATERS EXXON INC: Gasoline Service Stations
1999	QUIET WATERS EXXON INC: Gasoline Service Stations
2000	QUIET WATERS EXXON INC: Gasoline Service Stations
2001	QUIET WATERS EXXON INC: Gasoline Service Stations
2002	QUIET WATERS EXXON INC: Gasoline Service Stations
2003	QUIET WATERS EXXON INC: Gasoline Service Stations
2004	QUIET WATERS EXXON INC: Gasoline Service Stations
2005	QUIET WATERS EXXON INC: Gasoline Service Stations
2006	QUIET WATERS EXXON INC: Gasoline Service Stations
2007	QUIET WATERS EXXON INC: Gasoline Service Stations
2008	QUIET WATERS EXXON INC: Gasoline Service Stations
2009	QUIET WATERS INC: Gasoline Service Stations

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

HIST LUST

EDR ID: 1000335707 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A14

NAME: QUIET WATERS EXXON

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

Rev: 03/01/1999
ID/Status: Case Number: 92-1414AA
ID/Status: Open Or Closed: OPEN

SOURCE: MD Department of the Environment

Historical LUST:
Recover Type: Automatic - 24 hour remediation system is on site
County: ANNE ARUNDEL
Case Number: 92-1414AA
Open/Closed: OPEN

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: 1000335707 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A14

NAME: QUIET WATERS EXXON

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 02/07/2022
ID/Status: Date Closed: 02/26/1990
ID/Status: Date Closed: 06/13/2023
ID/Status: Date Closed: 06/25/1991
ID/Status: Date Closed: 07/16/2004

OCPCASES:
Name: EXXON #27235
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 11-0065AA
Facility Status/Code: CLOSED/Well/GW Contamination - Motor/Lube Oil
Date Open: 08/02/2010
Date Closed: 11/12/2020
Release: YES
Cleanup: YES
Registration Number: 3571

Name: EXXON
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 92-1414AA2
Facility Status/Code: CLOSED/Tank Closure - Motor/Lube Oil
Date Open: 12/31/1991
Date Closed: 10/06/1999
Release: YES
Cleanup: YES
Registration Number: 3571

Name: EXXON STATION
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 03-1423AA2
Facility Status/Code: CLOSED/Other (Specify)
Date Open: 03/18/2003
Date Closed: 07/16/2004
Release: YES
Cleanup: YES
Registration Number: 3571

Name: EXXON
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 5-5113AA
Facility Status/Code: CLOSED/
Date Open: 04/11/1989
Date Closed: 02/26/1990
Release: Not reported
Cleanup: Not reported
Registration Number: 3571

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: 1000335707 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A14

NAME: QUIET WATERS EXXON

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 02/07/2022
ID/Status: Date Closed: 02/26/1990
ID/Status: Date Closed: 06/13/2023
ID/Status: Date Closed: 06/25/1991
ID/Status: Date Closed: 07/16/2004

Name: EXXON
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 8-0745AA2
Facility Status/Code: CLOSED/
Date Open: 11/03/1987
Date Closed: 06/25/1991
Release: Not reported
Cleanup: Not reported
Registration Number: 3571

Name: QUIET WATERS EXXON
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 18-0692AA
Facility Status/Code: CLOSED/Tank Test Failure - Motor/Lube Oil
Date Open: 06/13/2018
Date Closed: 02/07/2022
Release: NO
Cleanup: NO
Registration Number: 3571

Name: QUIET WATERS EXXON
Address: 1000 FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 22-0447AA
Facility Status/Code: CLOSED/Tank Test Failure - Motor/Lube Oil
Date Open: 03/21/2022
Date Closed: 06/13/2023
Release: NO
Cleanup: NO
Registration Number: 3571

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: 1000335707 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A14

NAME: QUIET WATERS EXXON

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use

UST:
Facility Id: 3571
Oper Name: Naushad Ali Akhund
Form Name: Naushad Akhund
Form Title: Owner/President
Form Date: 05/06/2022
Owner Id: 13957

Owner:
Owner Name: Japan Plus Four, LLC
Owner Address: 1000 Forest Drive
Owner City: Annapolis
Owner State: MD
Owner Zip: 21403
Owner Phone: (410) 268-6855
Owner Contact: Naushad Ali Akhund

Tanks:
Tank ID: 1
Tank Status: Permanently Out Of Use
Tank Capacity: 1000
Substance Description: Used Oil
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1972
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Not Listed

Tank ID: 2
Tank Status: Permanently Out Of Use
Tank Capacity: 1000
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1982
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Not Listed

Tank ID: 3
Tank Status: Permanently Out Of Use
Tank Capacity: 1000
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: 1000335707 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A14

NAME: QUIET WATERS EXXON

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use

Date Installed: 01/01/1982
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Not Listed

Tank ID: 4
Tank Status: Permanently Out Of Use
Tank Capacity: 6000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1972
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Not Listed

Tank ID: 5
Tank Status: Permanently Out Of Use
Tank Capacity: 8000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1972
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Not Listed

Tank ID: 6
Tank Status: Permanently Out Of Use
Tank Capacity: 8000
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 01/01/1972
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Not Listed

Tank ID: 7
Tank Status: Currently In Use
Tank Capacity: 12000
Substance Description: Gasohol
Tank Compartment: False
Compartment Compartment: A
Date Installed: 12/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Flexible Plastic

Tank ID: 8

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: 1000335707 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A14

NAME: QUIET WATERS EXXON

ADDRESS: 1000 FOREST DRIVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Currently In Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use

Tank Status: Currently In Use
Tank Capacity: 12000
Substance Description: Diesel
Tank Compartment: False
Compartment Compartment: A
Date Installed: 12/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Flexible Plastic

Tank ID: 9
Tank Status: Currently In Use
Tank Capacity: 12000
Substance Description: Gasohol
Tank Compartment: False
Compartment Compartment: A
Date Installed: 12/01/1992
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Flexible Plastic

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

HIST UST

EDR ID: S104629029 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A15

NAME: EXXON STATION #2-7235

ADDRESS: 1000 FOREST DR
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 11/21/1996
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: REMOVED
ID/Status: Tank Status: REMOVED

Historical UST:
Facility ID: 3000847
Tank ID: 001
Age: 24
Capacity: 6,000
Tank Status: Removed
Product: Gasoline

Facility ID: 3000847
Tank ID: 002
Age: 24
Capacity: 8,000
Tank Status: Removed
Product: Gasoline

Facility ID: 3000847
Tank ID: 003
Age: 24
Capacity: 8,000
Tank Status: Removed
Product: Gasoline

Facility ID: 3000847
Tank ID: 004
Age: 15
Capacity: 1,000
Tank Status: Removed
Product: Used Oil

Facility ID: 3000847
Tank ID: 005
Age: 14
Capacity: 1,000
Tank Status: Removed
Product: Heating Oil

Facility ID: 3000847
Tank ID: 006
Age: 3
Capacity: 12000
Tank Status: Currently in use
Product: Gasoline

Facility ID: 3000847

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

HIST UST

EDR ID: S104629029 **DIST/DIR:** 0.067 SSW **ELEVATION:** 68 **MAP ID:** A15

NAME: EXXON STATION #2-7235

ADDRESS: 1000 FOREST DR
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 11/21/1996
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: CURRENTL
ID/Status: Tank Status: REMOVED
ID/Status: Tank Status: REMOVED

Tank ID: 007
Age: 3
Capacity: 12000
Tank Status: Currently in use
Product: Gasoline

Facility ID: 3000847
Tank ID: 008
Age: 3
Capacity: 12000
Tank Status: Currently in use
Product: Gasoline

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

DRYCLEANERS

EDR ID: S106488924 **DIST/DIR:** 0.095 SSW **ELEVATION:** 73 **MAP ID:** C16

NAME: BLUE RIBBON CLEANERS - HILLSMERE DR

ADDRESS: 114 HILLSMERE DRIVE
ANNAPOLIS, MD 21403

Rev: 06/03/2025
ID/Status: Facility Id: 003-1117
ID/Status: Facility Status: I

SOURCE: MD Department of the Environmental

Drycleaners:
Name: BLUE RIBBON CLEANERS - HILLSMERE DR
Address: 114 HILLSMERE DRIVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 003-1117
SIC Code: 7216
Fstatus Decode: Inactive
Facility Status: Inactive

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1004721209 **DIST/DIR:** 0.095 SSW **ELEVATION:** 73 **MAP ID:** C17

NAME: BLUE RIBBON CLNRS

ADDRESS: 114 HILLSMERE DR
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000021782

SOURCE: US Environmental Protection Agency

RCRA Listings:
Date Form Received by Agency: 20250515
Handler Name: Blue Ribbon Clnrs
Handler Address: 114 Hillsmere Dr
Handler City,State,Zip: ANNAPOLIS, MD 21403
EPA ID: MDR000021782
Contact Name: SANG KIM
Contact Address: 114 HILLSMERE DR
Contact City,State,Zip: ANNAPOLIS, MD 21403
Contact Telephone: 410-647-2625
Contact Fax: Not reported
Contact Email: Not reported
Contact Title: Not reported
EPA Region: 03
Land Type: Private
Federal Waste Generator Description: Not a generator, verified
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Not reported
State District Owner: Not reported
State District: Not reported
Mailing Address: 114 HILLSMERE DR
Mailing City,State,Zip: ANNAPOLIS, MD 21403
Owner Name: Not reported
Owner Type: Not reported
Operator Name: Not reported
Operator Type: Not reported
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1004721209 **DIST/DIR:** 0.095 SSW **ELEVATION:** 73 **MAP ID:** C17

NAME: BLUE RIBBON CLNRS

ADDRESS: 114 HILLSMERE DR
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000021782

SOURCE: US Environmental Protection Agency

Sub-Part K Indicator: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20250515
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D007
Waste Description: Chromium

Waste Code: D039
Waste Description: Tetrachloroethylene

Waste Code: D040
Waste Description: Trichloroethylene

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2, Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1004721209 **DIST/DIR:** 0.095 SSW **ELEVATION:** 73 **MAP ID:** C17

NAME: BLUE RIBBON CLNRS

ADDRESS: 114 HILLSMERE DR
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000021782

SOURCE: US Environmental Protection Agency

F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: KIM SANG
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 781 BRACKLEY RDR
Owner/Operator City,State,Zip: SEVERNA PARK, MD 21146
Owner/Operator Telephone: 410-647-2625
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Historic Generators:
Receive Date: 20250515
Handler Name: BLUE RIBBON CLNRS
Federal Waste Generator Description: Not a generator, verified
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: No
Electronic Manifest Broker: No

Receive Date: 20000414
Handler Name: BLUE RIBBON CLNRS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA NonGen / NLR

EDR ID: 1004721209 **DIST/DIR:** 0.095 SSW **ELEVATION:** 73 **MAP ID:** C17

NAME: BLUE RIBBON CLNRS

ADDRESS: 114 HILLSMERE DR
ANNAPOLIS, MD 21403

SOURCE: US Environmental Protection Agency

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000021782

List of NAICS Codes and Descriptions:
NAICS Codes: No NAICS Codes Found

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104601841 **DIST/DIR:** 0.110 NW **ELEVATION:** 37 **MAP ID:** 18

NAME: JAMES WILLIAMS RESIDENCE

ADDRESS: 2112 BAY RIDGE AVE
ANNAPOLIS, MD 21401

Rev: 07/01/2025
ID/Status: Date Closed: 08/21/1998
ID/Status: Facility Id: 97-2296AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: JAMES WILLIAMS RESIDENCE
Address: 2112 BAY RIDGE AVE
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 97-2296AA2
Facility Status/Code: CLOSED/Aboveground Tank Leak
Date Open: 06/05/1997
Date Closed: 08/21/1998
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA-VSQG

EDR ID: 1004720529 **DIST/DIR:** 0.126 SSE **ELEVATION:** 60 **MAP ID:** D19

NAME: BLESS CLEANERS

ADDRESS: 911 A BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000008425

SOURCE: US Environmental Protection Agency

RCRA Listings:
Date Form Received by Agency: 20080212
Handler Name: Bless Cleaners
Handler Address: 911 A Bay Ridge Rd
Handler City,State,Zip: ANNAPOLIS, MD 21403
EPA ID: MDR000008425
Contact Name: JONG J LEE
Contact Address: 911 A BAY RIDGE RD
Contact City,State,Zip: ANNAPOLIS, MD 21403
Contact Telephone: 410-268-7071
Contact Fax: Not reported
Contact Email: JJLEE921@YAHOO.COM
Contact Title: Not reported
EPA Region: 03
Land Type: Private
Federal Waste Generator Description: Conditionally Exempt Small Quantity Generator
Non-Notifier: Not reported
Biennial Report Cycle: Not reported
Accessibility: Not reported
Active Site Indicator: Handler Activities
State District Owner: Not reported
State District: Not reported
Mailing Address: 911 A BAY RIDGE RD
Mailing City,State,Zip: ANNAPOLIS, MD 21403
Owner Name: Holondea Ronald B
Owner Type: Private
Operator Name: Jong J. Lee
Operator Type: Private
Short-Term Generator Activity: No
Importer Activity: No
Mixed Waste Generator: No
Transporter Activity: No
Transfer Facility Activity: No
Recycler Activity with Storage: No
Small Quantity On-Site Burner Exemption: No
Smelting Melting and Refining Furnace Exemption: No
Underground Injection Control: No
Off-Site Waste Receipt: No
Universal Waste Indicator: No
Universal Waste Destination Facility: No
Federal Universal Waste: No
Active Site State-Reg Handler: ---
Federal Facility Indicator: Not reported
Hazardous Secondary Material Indicator: N

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA-VSQG

EDR ID: 1004720529 **DIST/DIR:** 0.126 SSE **ELEVATION:** 60 **MAP ID:** D19

NAME: BLESS CLEANERS

ADDRESS: 911 A BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000008425

SOURCE: US Environmental Protection Agency

Sub-Part K Indicator: Not reported
2018 GPRA Permit Baseline: Not on the Baseline
2018 GPRA Renewals Baseline: Not on the Baseline
202 GPRA Corrective Action Baseline: No
Subject to Corrective Action Universe: No
Non-TSDFs Where RCRA CA has Been Imposed Universe: No
Corrective Action Priority Ranking: No NCAPS ranking
Environmental Control Indicator: No
Institutional Control Indicator: No
Human Exposure Controls Indicator: N/A
Groundwater Controls Indicator: N/A
Significant Non-Complier Universe: No
Unaddressed Significant Non-Complier Universe: No
Addressed Significant Non-Complier Universe: No
Significant Non-Complier With a Compliance Schedule Universe: No
Financial Assurance Required: Not reported
Handler Date of Last Change: 20080616
Recognized Trader-Importer: No
Recognized Trader-Exporter: No
Importer of Spent Lead Acid Batteries: No
Exporter of Spent Lead Acid Batteries: No
Recycler Activity Without Storage: No
Manifest Broker: No
Sub-Part P Indicator: No

Hazardous Waste Summary:
Waste Code: D002
Waste Description: Corrosive Waste

Waste Code: D007
Waste Description: Chromium

Waste Code: D008
Waste Description: Lead

Waste Code: D039
Waste Description: Tetrachloroethylene

Waste Code: F002
Waste Description: The Following Spent Halogenated Solvents: Tetrachloroethylene, Methylene Chloride, Trichloroethylene, 1,1,1-Trichloroethane, Chlorobenzene, 1,1,2-Trichloro-1,2,2-Trifluoroethane, Ortho-Dichlorobenzene, Trichlorofluoromethane, And 1,1,2,

- Continued on next page -

RCRA-VSQG

EDR ID: 1004720529 **DIST/DIR:** 0.126 SSE **ELEVATION:** 60 **MAP ID:** D19

NAME: BLESS CLEANERS

ADDRESS: 911 A BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000008425

SOURCE: US Environmental Protection Agency

Trichloroethane; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Halogenated Solvents Or Those Solvents Listed In F001, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F003
Waste Description: The Following Spent Nonhalogenated Solvents: Xylene, Acetone, Ethyl Acetate, Ethyl Benzene, Ethyl Ether, Methyl Isobutyl Ketone, N-Butyl Alcohol, Cyclohexanone, And Methanol; All Spent Solvent Mixtures/Blends Containing, Before Use, Only The Above Spent Nonhalogenated Solvents; And All Spent Solvent Mixtures/Blends Containing, Before Use, One Or More Of The Above Nonhalogenated Solvents, And A Total Of Ten Percent Or More (By Volume) Of One Or More Of Those Solvents Listed In F001, F002, F004, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Waste Code: F004
Waste Description: The Following Spent Nonhalogenated Solvents: Cresols, Cresylic Acid, And Nitrobenzene; And The Still Bottoms From The Recovery Of These Solvents; All Spent Solvent Mixtures/Blends Containing, Before Use, A Total Of Ten Percent Or More (By Volume) Of One Or More Of The Above Nonhalogenated Solvents Or Those Solvents Listed In F001, F002, And F005; And Still Bottoms From The Recovery Of These Spent Solvents And Spent Solvent Mixtures.

Handler - Owner Operator:
Owner/Operator Indicator: Owner
Owner/Operator Name: HOLONDEA RONALD B
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 163 KING GEORGE ST
Owner/Operator City,State,Zip: ANNAPOLIS, MD 21401
Owner/Operator Telephone: 410-268-3730
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HOLONDEA RONALD B
Legal Status: Private
Date Became Current: 19950501

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA-VSQG

EDR ID: 1004720529 **DIST/DIR:** 0.126 SSE **ELEVATION:** 60 **MAP ID:** D19

NAME: BLESS CLEANERS

ADDRESS: 911 A BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000008425

SOURCE: US Environmental Protection Agency

Date Ended Current: Not reported
Owner/Operator Address: 163 KING GEORGE ST
Owner/Operator City,State,Zip: ANNAPOLIS, MD 21401
Owner/Operator Telephone: 410-268-3730
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JONG J. LEE
Legal Status: Private
Date Became Current: 19950501
Date Ended Current: Not reported
Owner/Operator Address: 911-A BAY RIDGE ROAD
Owner/Operator City,State,Zip: ANNAPOLIS, MD
Owner/Operator Telephone: 410-268-7071
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Owner
Owner/Operator Name: HOLONDEA RONALD B
Legal Status: Private
Date Became Current: Not reported
Date Ended Current: Not reported
Owner/Operator Address: 163 KING GEORGE ST
Owner/Operator City,State,Zip: ANNAPOLIS, MD 21401
Owner/Operator Telephone: 410-268-3730
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

Owner/Operator Indicator: Operator
Owner/Operator Name: JONG J. LEE
Legal Status: Private
Date Became Current: 19950501
Date Ended Current: Not reported
Owner/Operator Address: 911-A BAY RIDGE ROAD
Owner/Operator City,State,Zip: ANNAPOLIS, MD
Owner/Operator Telephone: 410-268-7071
Owner/Operator Telephone Ext: Not reported
Owner/Operator Fax: Not reported
Owner/Operator Email: Not reported

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA-VSQG

EDR ID: 1004720529 **DIST/DIR:** 0.126 SSE **ELEVATION:** 60 **MAP ID:** D19

NAME: BLESS CLEANERS

ADDRESS: 911 A BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000008425

SOURCE: US Environmental Protection Agency

Historic Generators:
Receive Date: 20080212
Handler Name: BLESS CLEANERS
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: Yes
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 19960401
Handler Name: BLESS CLEANERS
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20080212
Handler Name: BLESS CLEANERS
Federal Waste Generator Description: Very Small Quantity Generator (formerly Conditionally-Exempt Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

Receive Date: 20000228

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Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

RCRA-VSQG

EDR ID: 1004720529 **DIST/DIR:** 0.126 SSE **ELEVATION:** 60 **MAP ID:** D19

NAME: BLESS CLEANERS

ADDRESS: 911 A BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 06/02/2025
ID/Status: EPA ID:: MDR000008425

SOURCE: US Environmental Protection Agency

Handler Name: BLESS CLEANERS
Federal Waste Generator Description: Small Quantity Generator
State District Owner: Not reported
Large Quantity Handler of Universal Waste: No
Recognized Trader Importer: No
Recognized Trader Exporter: No
Spent Lead Acid Battery Importer: No
Spent Lead Acid Battery Exporter: No
Current Record: No
Non Storage Recycler Activity: Not reported
Electronic Manifest Broker: Not reported

List of NAICS Codes and Descriptions:
NAICS Code: 81143
NAICS Description: Footwear And Leather Goods Repair

NAICS Code: 81149
NAICS Description: Other Personal And Household Goods Repair And Maintenance

NAICS Code: 81232
NAICS Description: Drycleaning And Laundry Services (Except Coin-Operated)

Facility Has Received Notices of Violations:
Violations: No Violations Found

Evaluation Action Summary:
Evaluations: No Evaluations Found

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S107176615 **DIST/DIR:** 0.139 NNW **ELEVATION:** 21 **MAP ID:** 20

NAME: SEDIMENT POND

ADDRESS: 916 BERWICK DR
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 12/28/2005
ID/Status: Facility Id: 05-1136AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: SEDIMENT POND
Address: 916 BERWICK DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 05-1136AA
Facility Status/Code: CLOSED/Dumping
Date Open: 05/12/2005
Date Closed: 12/28/2005
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S106610511 **DIST/DIR:** 0.153 ESE **ELEVATION:** 42 **MAP ID:** 21

NAME: LEAK/VEH BRN FAIRWINDS CONDO

ADDRESS: 217 VICTOR PKWY
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 04/04/2005
ID/Status: Facility Id: 05-0321AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: LEAK/VEH BRN FAIRWINDS CONDO
Address: 217 VICTOR PKWY
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 05-0321AA2
Facility Status/Code: CLOSED/Other (Specify)
Date Open: 09/09/2004
Date Closed: 04/04/2005
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: U004226409 **DIST/DIR:** 0.165 SSE **ELEVATION:** 58 **MAP ID:** D22

NAME: SNYDER PROPERTY

ADDRESS: 915 BAY RIDGE ROAD
ANNAPOLIS, MD 21403

Rev: 04/01/2025
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Facility Id: 20501

SOURCE: MD Department of the Environment

UST:
Facility Id: 20501
Oper Name: Not reported
Form Name: Arthur A. Shellhouse, CPEA
Form Title: Env. Auditor/Agent
Form Date: 11/10/2014
Owner Id: 14673

Owner:
Owner Name: Deborah G. Snyder
Owner Address: 300 Ninth Ave. SE
Owner City: Glen Burnie
Owner State: MD
Owner Zip: 21061
Owner Phone: (410) 537-7583
Owner Contact: Art Shellhouse

Tanks:
Tank ID: 1
Tank Status: Permanently Out Of Use
Tank Capacity: Not reported
Substance Description: Gasoline
Tank Compartment: False
Compartment Compartment: A
Date Installed: 12/08/1984
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Bare or Galvanized Steel

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S112333922 **DIST/DIR:** 0.165 SSE **ELEVATION:** 58 **MAP ID:** D23

NAME: SNYDER PROPERTY

ADDRESS: 915 BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 08/01/2017
ID/Status: Facility Id: 15-0329AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: SNYDER PROPERTY
Address: 915 BAY RIDGE RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 15-0329AA
Facility Status/Code: CLOSED/Tank Closure - Motor/Lube Oil
Date Open: 12/08/2014
Date Closed: 08/01/2017
Release: YES
Cleanup: NO
Registration Number: 20501

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: U004011971 **DIST/DIR:** 0.231 North **ELEVATION:** 21 **MAP ID:** E24

NAME: S.P.C.A. OF ANNE ARUNDEL COUNTY, MD

ADDRESS: 1815 BAY RIDGE AVENUE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Facility Id: 1555

UST:
Facility Id: 1555
Oper Name: Frank Branchini
Form Name: Frank C. Biddinger, Jr.
Form Title: Owner's Rep
Form Date: 05/11/2016
Owner Id: 1109

Owner:
Owner Name: S.P.C.A. of Anne Arundel County, MD
Owner Address: P. O. Box 3471
Owner City: Annapolis
Owner State: MD
Owner Zip: 21403
Owner Phone: (410) 268-2659
Owner Contact: Frank C. Branchini

Tanks:
Tank ID: 1
Tank Status: Permanently Out Of Use
Tank Capacity: 550
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A
Date Installed: Not reported
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Copper

Tank ID: 2
Tank Status: Permanently Out Of Use
Tank Capacity: 550
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A
Date Installed: Not reported
Tank Material Desc: Not Listed
Pipe Material Desc: Not Listed

Tank ID: 3
Tank Status: Permanently Out Of Use
Tank Capacity: 550
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A

- Continued on next page -

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

UST

EDR ID: U004011971 **DIST/DIR:** 0.231 North **ELEVATION:** 21 **MAP ID:** E24

NAME: S.P.C.A. OF ANNE ARUNDEL COUNTY, MD

ADDRESS: 1815 BAY RIDGE AVENUE
ANNAPOLIS, MD 21403

SOURCE: MD Department of the Environment

Rev: 04/01/2025
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Tank Status: Permanently Out Of Use
ID/Status: Facility Id: 1555

Date Installed: Not reported
Tank Material Desc: Fiberglass Reinforced Plastic
Pipe Material Desc: Copper

Tank ID: 4
Tank Status: Permanently Out Of Use
Tank Capacity: 550
Substance Description: Heating Oil
Tank Compartment: False
Compartment Compartment: A
Date Installed: Not reported
Tank Material Desc: Asphalt Coated or Bare Steel
Pipe Material Desc: Copper

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104634983 **DIST/DIR:** 0.231 North **ELEVATION:** 21 **MAP ID:** E25

NAME: SPCA OF ANNE ARUNDEL COUNTY
ADDRESS: 1815 BAY RIDGE AVE
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 06/28/2011
ID/Status: Date Closed: 09/26/2017
ID/Status: Facility Id: 04-1596AA
ID/Status: Facility Id: 16-0633AA
ID/Status: Facility Status: CLOSED

OCPCASES:
Name: SPCA OF ANNE ARUNDEL COUNTY
Address: 1815 BAY RIDGE AVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 16-0633AA
Facility Status/Code: CLOSED/Tank Closure - Commercial Heating Oil
Date Open: 05/11/2016
Date Closed: 09/26/2017
Release: YES
Cleanup: YES
Registration Number: 1555

Name: SPCA
Address: 1815 BAY RIDGE AVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 04-1596AA
Facility Status/Code: CLOSED/Tank Closure - Commercial Heating Oil
Date Open: 03/24/2004
Date Closed: 06/28/2011
Release: YES
Cleanup: YES
Registration Number: 1555

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104603145 **DIST/DIR:** 0.235 North **ELEVATION:** 25 **MAP ID:** 26 Client Plot

NAME: ROBERT KOCINBA RESIDENCE

ADDRESS: 1008 TIMBER CREEK DR
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 03/09/1995
ID/Status: Date Closed: 03/09/1995
ID/Status: Facility Id: 94-1346AA2
ID/Status: Facility Status: CLOSED

OCPCASES:
Name: ROBERT KOCINBA RESIDENCE
Address: 1008 TIMBER CREEK DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 94-1346AA2
Facility Status/Code: CLOSED/
Date Open: 11/02/1993
Date Closed: 03/09/1995
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Name: ROBERT KOCINBA RESIDENCE
Address: 1008 TIMBER CREEK DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 94-1346AA2
Facility Status/Code: CLOSED/
Date Open: 11/02/1993
Date Closed: 03/09/1995
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104600664 **DIST/DIR:** 0.247 ENE **ELEVATION:** 15 **MAP ID:** 27

NAME: SHEAN RESIDENCE

ADDRESS: 4 WINDWHISPER LANE
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 11/20/1996
ID/Status: Facility Id: 97-0943AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: SHEAN RESIDENCE
Address: 4 WINDWHISPER LANE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 97-0943AA2
Facility Status/Code: CLOSED/Other (Specify)
Date Open: 11/15/1996
Date Closed: 11/20/1996
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104597152 **DIST/DIR:** 0.268 SE **ELEVATION:** 57 **MAP ID:** 28

NAME: GIANT FOOD STORE #167

ADDRESS: 948 BAY RIDGE RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 08/02/1999
ID/Status: Facility Id: 99-2395AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: GIANT FOOD STORE #167
Address: 948 BAY RIDGE RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 99-2395AA2
Facility Status/Code: CLOSED/Tank Closure - Motor/Lube Oil
Date Open: 03/30/1999
Date Closed: 08/02/1999
Release: NO
Cleanup: NO
Registration Number: 9474

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S123657852 **DIST/DIR:** 0.289 SSE **ELEVATION:** 52 **MAP ID:** 29

NAME: SHIRLEY PRAIRIE RESIDENCE
ADDRESS: 919 OLD ANNAPOLIS NECK RD
ANNAPOLIS, MD 21403

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 08/31/2020
ID/Status: Date Closed:
ID/Status: Facility Id: 19-0477AA
ID/Status: Facility Id: 23-0215AA
ID/Status: Facility Status: CLOSED

OCPCASES:
Name: SHIRLEY PRAIRIE RESIDENCE
Address: 919 OLD ANNAPOLIS NECK RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 19-0477AA
Facility Status/Code: CLOSED/Dumping
Date Open: 02/06/2019
Date Closed: 08/31/2020
Release: NO
Cleanup: NO
Registration Number: Not reported

Name: SHIRLEY PRAIRIE RESIDENCE
Address: 919 OLD ANNAPOLIS NECK RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 23-0215AA
Facility Status/Code: OPEN/Dumping
Date Open: 11/03/2022
Date Closed: Not reported
Release: UNK
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104600963 **DIST/DIR:** 0.321 South **ELEVATION:** 51 **MAP ID:** 30

NAME: TIM SLOGER RESIDENCE

ADDRESS: 98 EDGEMERE DR
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 08/18/1998
ID/Status: Facility Id: 97-1276AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: TIM SLOGER RESIDENCE
Address: 98 EDGEMERE DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 97-1276AA2
Facility Status/Code: CLOSED/Aboveground Tank Leak
Date Open: 01/14/1997
Date Closed: 08/18/1998
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S110789221 **DIST/DIR:** 0.323 SSE **ELEVATION:** 52 **MAP ID:** 31

NAME: GORDON THOMAS RESIDENCE

ADDRESS: 927 OLD ANNAPOLIS NECK RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 12/17/2013
ID/Status: Facility Id: 11-0270AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: GORDON THOMAS RESIDENCE
Address: 927 OLD ANNAPOLIS NECK RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 11-0270AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 10/28/2010
Date Closed: 12/17/2013
Release: YES
Cleanup: YES
Registration Number: N/A

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S126112442 **DIST/DIR:** 0.350 WNW **ELEVATION:** 88 **MAP ID:** 32

NAME: KAREN GILL RESIDENCE

ADDRESS: 1023 FOREST HILLS AVE
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 11/21/2019
ID/Status: Facility Id: 20-0223AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: KAREN GILL RESIDENCE
Address: 1023 FOREST HILLS AVE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 20-0223AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 10/21/2019
Date Closed: 11/21/2019
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: 1004519897 **DIST/DIR:** 0.372 NW **ELEVATION:** 61 **MAP ID:** 33 Client Plot

NAME: TYLER HEIGHTS ELEMENTARY SCHOOL
ADDRESS: 200 JANWAL STREET
ANNAPOLIS, MD 21403
SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 07/07/2021
ID/Status: Date Closed: 10/25/1996
ID/Status: Facility Id: 20-0498AA
ID/Status: Facility Id: 97-0795AA2
ID/Status: Facility Status: CLOSED

OCPCASES:
Name: TYLER HEIGHTS ELEMENTARY SCHOOL
Address: 200 JANWAL ST
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 97-0795AA2
Facility Status/Code: CLOSED/B-9
Date Open: 10/25/1996
Date Closed: 10/25/1996
Release: NO
Cleanup: NO
Registration Number: 14058

Name: TYLER HEIGHTS ELEMENTARY
Address: 200 JANWAL ST
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 20-0498AA
Facility Status/Code: CLOSED/Tank Closure - Commercial Heating Oil
Date Open: 04/24/2020
Date Closed: 07/07/2021
Release: YES
Cleanup: YES
Registration Number: 14058

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S106022009 **DIST/DIR:** 0.398 SE **ELEVATION:** 53 **MAP ID:** F34

NAME: ZUECH RESIDENTIAL PROPERTY

ADDRESS: 2846 CARROLLTON RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 12/17/2010
ID/Status: Facility Id: 04-0520AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: ZUECH RESIDENTIAL PROPERTY
Address: 2846 CARROLLTON RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 04-0520AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 09/10/2003
Date Closed: 12/17/2010
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104593400 **DIST/DIR:** 0.399 ENE **ELEVATION:** 15 **MAP ID:** 35

NAME: HYDRAULIC OIL SPILL

ADDRESS: 968 YACHTSMAN WAY
ANNAPOLIS, MD 21401

Rev: 07/01/2025
ID/Status: Date Closed: 10/13/1998
ID/Status: Facility Id: 98-0807AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: HYDRAULIC OIL SPILL
Address: 968 YACHTSMAN WAY
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 98-0807AA2
Facility Status/Code: CLOSED/Vehicle Accident - Emergency
Date Open: 10/08/1997
Date Closed: 10/13/1998
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S127976079 **DIST/DIR:** 0.400 SE **ELEVATION:** 57 **MAP ID:** F36

NAME: MICHAEL CHRONISTER RESIDENCE

ADDRESS: 2850 CARROLLTON RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 07/08/2021
ID/Status: Facility Id: 21-0577AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: MICHAEL CHRONISTER RESIDENCE
Address: 2850 CARROLLTON RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 21-0577AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 06/23/2021
Date Closed: 07/08/2021
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104611251 **DIST/DIR:** 0.408 ESE **ELEVATION:** 46 **MAP ID:** G37

NAME: JOE BOSWELL RESIDENCE

ADDRESS: 2830 CARROLLTON RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 11/15/1993
ID/Status: Facility Id: 93-1514AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: JOE BOSWELL RESIDENCE
Address: 2830 CARROLLTON RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 93-1514AA2
Facility Status/Code: CLOSED/
Date Open: 02/02/1993
Date Closed: 11/15/1993
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S105509097 **DIST/DIR:** 0.408 ESE **ELEVATION:** 46 **MAP ID:** G38

NAME: TERRY WRIGHT RESIDENCE

ADDRESS: 2830 CARROLLTON RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 09/02/2003
ID/Status: Facility Id: 02-1141AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: TERRY WRIGHT RESIDENCE
Address: 2830 CARROLLTON RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 02-1141AA2
Facility Status/Code: CLOSED/Other (Specify)
Date Open: 03/13/2002
Date Closed: 09/02/2003
Release: NO
Cleanup: NO
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S107505500 **DIST/DIR:** 0.423 South **ELEVATION:** 44 **MAP ID:** 39

NAME: CHARLES METZGER RESIDENCE

ADDRESS: 297 CEDAR LANE
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 09/20/2006
ID/Status: Facility Id: 06-0497AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: CHARLES METZGER RESIDENCE
Address: 297 CEDAR LANE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 06-0497AA2
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 12/08/2005
Date Closed: 09/20/2006
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104598906 **DIST/DIR:** 0.431 ESE **ELEVATION:** 47 **MAP ID:** 40

NAME: HOPKINSON RESIDENCE

ADDRESS: 2837 CARROLTON RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 04/02/1996
ID/Status: Facility Id: 96-1379AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: HOPKINSON RESIDENCE
Address: 2837 CARROLTON RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 96-1379AA2
Facility Status/Code: CLOSED/Aboveground Tank Leak
Date Open: 01/23/1996
Date Closed: 04/02/1996
Release: YES
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S126343871 **DIST/DIR:** 0.432 NE **ELEVATION:** 5 **MAP ID:** H41

NAME: ETHEL BILDERBACK RESIDENCE

ADDRESS: 713 WARREN DR
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 07/08/2020
ID/Status: Facility Id: 20-0539AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: ETHEL BILDERBACK RESIDENCE
Address: 713 WARREN DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 20-0539AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 06/02/2020
Date Closed: 07/08/2020
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S119104350 **DIST/DIR:** 0.442 ENE **ELEVATION:** 15 **MAP ID:** 42 Client Plot

NAME: CITY OF ANNAPOLIS LIFT STATION
ADDRESS: KING JAMES LANDING RD
ANNAPOLIS, MD 21403
ANNE ARUNDEL
SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 02/24/2000
ID/Status: Facility Id: 99-1408AA2
ID/Status: Facility Status: CLOSED

OCPCASES:
Name: CITY OF ANNAPOLIS LIFT STATION
Address: KING JAMES LANDING RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 99-1408AA2
Facility Status/Code: CLOSED/Tank Closure - Motor/Lube Oil
Date Open: 12/08/1998
Date Closed: 02/24/2000
Release: YES
Cleanup: YES
Registration Number: 9182

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S106022110 **DIST/DIR:** 0.445 South **ELEVATION:** 41 **MAP ID:** 43

NAME: FRANCES PALMERI RESIDENCE

ADDRESS: 111 HICKORY LANE
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 07/30/2004
ID/Status: Facility Id: 04-0643AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: FRANCES PALMERI RESIDENCE
Address: 111 HICKORY LANE
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 04-0643AA2
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 10/02/2003
Date Closed: 07/30/2004
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S117325957 **DIST/DIR:** 0.453 South **ELEVATION:** 55 **MAP ID:** I44

NAME: HSU PROPERTY

ADDRESS: 299 HILLSMERE DR
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 10/03/2014
ID/Status: Facility Id: 14-0722AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: HSU PROPERTY
Address: 299 HILLSMERE DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 14-0722AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 06/05/2014
Date Closed: 10/03/2014
Release: YES
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S121369741 **DIST/DIR:** 0.457 WNW **ELEVATION:** 68 **MAP ID:** J45

NAME: CHARLOTTE BROWN RESIDENCE

ADDRESS: 1236 CROWS NEST CT
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed:
ID/Status: Facility Id: 18-0297AA
ID/Status: Facility Status: OPEN

SOURCE: MD Department of Environment

OCPCASES:
Name: CHARLOTTE BROWN RESIDENCE
Address: 1236 CROWS NEST CT
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 18-0297AA
Facility Status/Code: OPEN/Aboveground Tank - Residential Heating Oil
Date Open: 12/07/2017
Date Closed: Not reported
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104606643 **DIST/DIR:** 0.460 NE **ELEVATION:** 1 **MAP ID:** H46

NAME: ANTHONY TRUBISZ PROPERTY

ADDRESS: 708 WARREN DR
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 03/03/1995
ID/Status: Facility Id: 95-1996AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: ANTHONY TRUBISZ PROPERTY
Address: 708 WARREN DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 95-1996AA2
Facility Status/Code: CLOSED/Other - Residential Heating Oil
Date Open: 03/03/1995
Date Closed: 03/03/1995
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104599532 **DIST/DIR:** 0.461 ESE **ELEVATION:** 42 **MAP ID:** 47

NAME: DOROTHY SLOANE RESIDENCE

ADDRESS: 2831 CARROLTON RD
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed:
ID/Status: Facility Id: 96-2097AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: DOROTHY SLOANE RESIDENCE
Address: 2831 CARROLTON RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 96-2097AA2
Facility Status/Code: CLOSED/Soil Contamination - Residential Heating Oil
Date Open: 05/06/1996
Date Closed: Not reported
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104592747 **DIST/DIR:** 0.476 East **ELEVATION:** 39 **MAP ID:** 48

NAME: CHARLES RUSSELL RESIDENCE

ADDRESS: 2804 CARROLLTON RD
ANNAPOLIS, MD 21401

SOURCE: MD Department of Environment

Rev: 07/01/2025
ID/Status: Date Closed: 08/21/1998
ID/Status: Facility Id: 98-0029AA2
ID/Status: Facility Status: CLOSED

OCPCASES:
Name: CHARLES RUSSELL RESIDENCE
Address: 2804 CARROLLTON RD
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 98-0029AA2
Facility Status/Code: CLOSED/B-9
Date Open: 07/07/1997
Date Closed: 08/21/1998
Release: NO
Cleanup: NO
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S107995059 **DIST/DIR:** 0.489 WNW **ELEVATION:** 61 **MAP ID:** J49 Client Plot

NAME: MARTLA JOHNSON

ADDRESS: 1244 CROWS NEST CT
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 07/06/2006
ID/Status: Facility Id: 06-1061AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: MARTLA JOHNSON
Address: 1244 CROWS NEST CT
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 06-1061AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 06/07/2006
Date Closed: 07/06/2006
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S131688543 **DIST/DIR:** 0.492 NE **ELEVATION:** 0 **MAP ID:** 50

NAME: ELIZABETH BERNSTEIN RESIDENCE

ADDRESS: 700 WARREN DR
ANNAPOLIS, MD 21403

Rev: 07/01/2025
ID/Status: Date Closed: 08/29/2023
ID/Status: Facility Id: 24-0020AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: ELIZABETH BERNSTEIN RESIDENCE
Address: 700 WARREN DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 24-0020AA
Facility Status/Code: CLOSED/Tank Closure - Residential Heating Oil
Date Open: 07/13/2023
Date Closed: 08/29/2023
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S111161713 **DIST/DIR:** 0.495 WNW **ELEVATION:** 58 **MAP ID:** 51 Client Plot

NAME: DAVID FOXWELL RESIDENCE

ADDRESS: 1207 MARDA LANE
ANNAPOLIS, MD 21401

Rev: 07/01/2025
ID/Status: Date Closed: 10/24/2014
ID/Status: Facility Id: 11-0614AA
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: DAVID FOXWELL RESIDENCE
Address: 1207 MARDA LANE
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 11-0614AA
Facility Status/Code: CLOSED/Aboveground Tank - Residential Heating Oil
Date Open: 04/28/2011
Date Closed: 10/24/2014
Release: YES
Cleanup: YES
Registration Number: N/A

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104593354 **DIST/DIR:** 0.498 South **ELEVATION:** 47 **MAP ID:** I52

NAME: TERRY REEVE RESIDENCE

ADDRESS: 303 HILLSMERE DR
ANNAPOLIS, MD 21401

Rev: 07/01/2025
ID/Status: Date Closed: 10/13/1998
ID/Status: Facility Id: 98-0756AA2
ID/Status: Facility Status: CLOSED

SOURCE: MD Department of Environment

OCPCASES:
Name: TERRY REEVE RESIDENCE
Address: 303 HILLSMERE DR
City,State,Zip: ANNAPOLIS, MD 21401
Facility ID: 98-0756AA2
Facility Status/Code: CLOSED/B-9
Date Open: 10/02/1997
Date Closed: 10/13/1998
Release: YES
Cleanup: YES
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104606234 **DIST/DIR:** **ELEVATION:** **MAP ID:** NON GC

NAME: OIL SPILL - LEAKING VEHICLE **Rev:** 07/01/2025

ADDRESS: ARUNDEL ON THE BAY RD
ANNAPOLIS, MD 21403
ANNE ARUNDEL

SOURCE: MD Department of Environment

OCPCASES:
Name: OIL SPILL - LEAKING VEHICLE
Address: ARUNDEL ON THE BAY RD
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 95-1523AA2
Facility Status/Code: CLOSED/Unknown Source/Surface Spill
Date Open: 12/27/1994
Date Closed: 03/10/1995
Release: Not reported
Cleanup: Not reported
Registration Number: Not reported

Site Detail Report

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

OCPCASES

EDR ID: S104594906 **DIST/DIR:** **ELEVATION:** **MAP ID:** NON GC

NAME: CARROLL S WAGNER, DRIVER, MOBIL **Rev:** 07/01/2025

ADDRESS: FOREST DR
ANNAPOLIS, MD 21403
ANNE ARUNDEL

SOURCE: MD Department of Environment

OCPCASES:
Name: CARROLL S WAGNER, DRIVER, MOBIL
Address: FOREST DR
City,State,Zip: ANNAPOLIS, MD 21403
Facility ID: 98-2525AA2
Facility Status/Code: CLOSED/Tank Truck Driver Attendance - Motor /Lube Oil
Date Open: 06/09/1998
Date Closed: 02/15/2000
Release: NO
Cleanup: NO
Registration Number: Not reported

Database Descriptions

NPL: NPL National Priorities List (Superfund). The NPL is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund Program. NPL sites may encompass relatively large areas. As such, EDR provides polygon coverage for over 1,000 NPL site boundaries produced by EPA's Environmental Photographic Interpretation Center (EPIC) and regional EPA offices. NPL - National Priority List Proposed NPL - Proposed National Priority List Sites. NPL LIENS - Federal Superfund Liens.

NPL Delisted: Delisted NPL The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate. Delisted NPL - National Priority List Deletions

CERCLIS: FEDERAL FACILITY A listing of National Priority List (NPL) and Base Realignment and Closure (BRAC) sites found in the Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS) Database where EPA Federal Facilities Restoration and Reuse Office is involved in cleanup activities. FEDERAL FACILITY - Federal Facility Site Information listing SEMS - Superfund Enterprise Management System.

NFRAP: SEMS-ARCHIVE SEMS-ARCHIVE (Superfund Enterprise Management System Archive) tracks sites that have no further interest under the Federal Superfund Program based on available information. The list was formerly known as the CERCLIS-NFRAP, renamed to SEMS ARCHIVE by the EPA in 2015. EPA may perform a minimal level of assessment work at a site while it is archived if site conditions change and/or new information becomes available. Archived sites have been removed and archived from the inventory of SEMS sites. Archived status indicates that, to the best of EPA's knowledge, assessment at a site has been completed and that EPA has determined no further steps will be taken to list the site on the National Priorities List (NPL), unless information indicates this decision was not appropriate or other considerations require a recommendation for listing at a later time. The decision does not necessarily mean that there is no hazard associated with a given site; it only means that. based upon available information, the location is not judged to be potential NPL site. SEMS-ARCHIVE - Superfund Enterprise Management System Archive

RCRA COR ACT: CORRACTS CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. CORRACTS - Corrective Action Report

RCRA TSD: RCRA-TSDF RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Transporters are individuals or entities that move hazardous waste from the generator offsite to a facility that can recycle, treat, store, or dispose of the waste. TSDFs treat, store, or dispose of the waste. RCRA-TSDF - RCRA - Treatment, Storage and Disposal

RCRA GEN: RCRA-LQG RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Large quantity generators (LQGs) generate over 1,000 kilograms (kg) of hazardous waste, or over 1 kg of acutely hazardous waste per month. RCRA-LQG - RCRA - Large Quantity Generators RCRA-SQG - RCRA - Small Quantity Generators. RCRA-VSQG - RCRA - Very Small Quantity Generators (Formerly Conditionally Exempt Small Quantity Generators).

Federal IC / EC: LUCIS LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties. LUCIS - Land Use Control Information System US ENG CONTROLS - Engineering Controls Sites List. US INST CONTROLS - Institutional Controls Sites List.

ERNS: ERNS Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances. ERNS - Emergency Response Notification System

Database Descriptions

State/Tribal CERCLIS: SHWS State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state. SHWS - Notice of Potential Hazardous Waste Sites

State/Tribal SWL: SWF/LF Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites. SWF/LF - Permitted Solid Waste Disposal Facilities

State/Tribal LTANKS: INDIAN LUST R10 INDIAN LUST R4 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R5 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R6 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R8 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R9 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R7 - Leaking Underground Storage Tanks on Indian Land. INDIAN LUST R1 - Leaking Underground Storage Tanks on Indian Land. LUSTs on Indian land in Alaska, Idaho, Oregon and Washington. INDIAN LUST R1 - Leaking Underground Storage Tanks on Indian Land OCPCASES - Oil Control Program Cases. HIST LUST - Recovery Sites.

State/Tribal Tanks: FEMA UST A listing of all FEMA owned underground storage tanks. FEMA UST - Underground Storage Tank Listing UST - Registered Underground Storage Tank List. AST - Permitted Aboveground Storage Tanks. INDIAN UST R9 - Underground Storage Tanks on Indian Land. INDIAN UST R4 - Underground Storage Tanks on Indian Land. INDIAN UST R8 - Underground Storage Tanks on Indian Land. INDIAN UST R10 - Underground Storage Tanks on Indian Land. INDIAN UST R5 - Underground Storage Tanks on Indian Land. INDIAN UST R7 - Underground Storage Tanks on Indian Land. INDIAN UST R1 - Underground Storage Tanks on Indian Land. INDIAN UST R6 - Underground Storage Tanks on Indian Land.

State/Tribal IC / EC: ENG CONTROLS Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health. ENG CONTROLS - Engineering Controls Site listing INST CONTROL - Voluntary Cleanup Program Applicants/Participants.

State/Tribal VCP: INDIAN VCP R1 INDIAN VCP R7 - Voluntary Cleanup Priority Lisitng. VCP - Voluntary Cleanup Program Applicants/Participants. The Voluntary Cleanup Program, administrated by the Dept. of the Environment, streamlines the environmental cleanup process for sites, usually industrial or commercial properties, that are contaminated, or perceived to be contaminated, by hazardous substances. Developers and lenders are provided with certain limitations on liability and participants in the program are provided certainty in the process by knowing exactly what will be required. VCP - Voluntary Cleanup Program Applicants/Participants

ST/Tribal Brownfields: BROWNFIELDS The Site Assessment Section of the State Superfund Division is responsible for conducting federally funded assessments of eligible brownfields properties. These assessments are undertaken to determine whether there are environmental cleanup requirements at these sites. BROWNFIELDS - Eligible Brownfields Properties

US Brownfields: US BROWNFIELDS Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs. US BROWNFIELDS - A Listing of Brownfields Sites

Database Descriptions

Other SWF: INDIAN ODI Location of open dumps on Indian land. INDIAN ODI - Report on the Status of Open Dumps on Indian Lands ODI - Open Dump Inventory.

Other Tanks: Historical UST In 1997 the Department of the Environment sent out registration forms to all the owner's listed in the UST database. Once they got the registration forms back they entered the information into a new UST database. we call this database UST. Because not all owners returned their forms, we kept the old UST database and labeled it HIST UST so that we would not be missing any past UST records. This listing is no longer updated or maintained by the agency. It is current through November 1996. Historical UST - Historical UST Registered Database

Other: RCRA NonGen / NLR RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste. RCRA NonGen / NLR - RCRA - Non Generators / No Longer Regulated FEDLAND - Federal and Indian Lands. SCRD DRYCLEANERS - State Coalition for Remediation of Drycleaners Listing. TRIS - Toxic Chemical Release Inventory System. PRP - Potentially Responsible Parties. RADINFO - Radiation Information Database. BRS - Biennial Reporting System. INDIAN RESERV - Indian Reservations. UMTRA - Uranium Mill Tailings Sites. LEAD SMELTER 1 - Lead Smelter Sites. LEAD SMELTER 2 - Lead Smelter Sites. US AIRS (AFS) - Aerometric Information Retrieval System Facility Subsystem (AFS). US AIRS MINOR - Air Facility System Data. US MINES - Mines Master Index File. MINES VIOLATIONS - MSHA Violation Assessment Data. US MINES 2 - Ferrous and Nonferrous Metal Mines Database Listing. US MINES 3 - Active Mines & Mineral Plants Database Listing. ABANDONED MINES - Abandoned Mines. MINES MRDS - Mineral Resources Data System. PFAS NPL - Superfund Sites with PFAS Detections Information. PFAS FEDERAL SITES - Federal Sites PFAS Information. PFAS TSCA - PFAS Manufacture and Imports Information. PFAS TRIS - List of PFAS Added to the TRI. PFAS RCRA MANIFEST - PFAS Transfers Identified In the RCRA Database Listing. PFAS ATSDR - PFAS Contamination Site Location Listing. PFAS WQP - Ambient Environmental Sampling for PFAS. PFAS PROJECT - NORTHEASTERN UNIVERSITY PFAS PROJECT. PFAS NPDES - Clean Water Act Discharge Monitoring Information. PFAS ECHO - Facilities in Industries that May Be Handling PFAS Listing. PFAS ECHO FIRE TRAIN - Facilities in Industries that May Be Handling PFAS Listing. PFAS PT 139 AIRPORT - All Certified Part 139 Airports PFAS Information Listing. AQUEOUS FOAM NRC - Aqueous Foam Related Incidents Listing. PCS ENF - Enforcement data. PCS - Permit Compliance System. BIOSOLIDS - ICIS-NPDES Biosolids Facility Data. UST FINDER RELEASE - UST Finder Releases Database. UST FINDER - UST Finder Database. E MANIFEST - Hazardous Waste Electronic Manifest System. PFAS - PFAS Contamination Site Listing. AIRS - Permit and Facility Information Listing. DRYCLEANERS - Registered Drycleaning Facilities.

EDR Exclusive: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches. DRYCLEANERS - EDR Exclusive Historical Auto Stations EDR MGP - EDR Proprietary Manufactured Gas Plants. EDR Hist Auto - EDR Exclusive Historical Auto Stations. EDR Hist Cleaner - EDR Exclusive Historical Cleaners.

Exclusive Recovered Govt. Archives: RGA HWS The EDR Recovered Government Archive State Hazardous Waste database provides a list of SHWS incidents derived from historical databases and includes many records that no longer appear in current government lists. Compiled from Records formerly available from the Department of the Environment in Maryland. RGA HWS - Recovered Government Archive State Hazardous Waste Facilities List RGA LF - Recovered Government Archive Solid Waste Facilities List. RGA LUST - Recovered Government Archive Leaking Underground Storage Tank.

Database Sources

NPL: EPA

Updated Quarterly

NPL Delisted: EPA

Updated Quarterly

CERCLIS: Environmental Protection Agency

Varies

NFRAP: EPA

Updated Quarterly

RCRA COR ACT: EPA

Updated Quarterly

RCRA TSD: Environmental Protection Agency

Updated Quarterly

RCRA GEN: Environmental Protection Agency

Updated Quarterly

Federal IC / EC: Department of the Navy

Varies

ERNS: National Response Center, United States Coast Guard

Updated Quarterly

State/Tribal CERCLIS: Department of the Environment

Updated Semi-Annually

State/Tribal SWL: Department of the Environment

Updated Annually

State/Tribal LTANKS: EPA Region 10

Varies

State/Tribal Tanks: FEMA

Varies

Database Sources

State/Tribal IC / EC: Department of the Environment

Varies

State/Tribal VCP: Dept. of the Environment

Updated Semi-Annually

ST/Tribal Brownfields: Department of Environment

Updated Quarterly

US Brownfields: Environmental Protection Agency

Updated Semi-Annually

Other SWF: Environmental Protection Agency

Varies

Other Tanks: Department of Environment

No Update Planned

Other: Environmental Protection Agency

Updated Quarterly

EDR Exclusive: EDR, Inc.

No Update Planned

Exclusive Recovered Govt. Archives: Department of the Environment

Varies

Street Name Report for Streets near the Target Property

Target Property: 1 BENS DRIVE
ANNAPOLIS, MD 21403

JOB: HPS-ENV

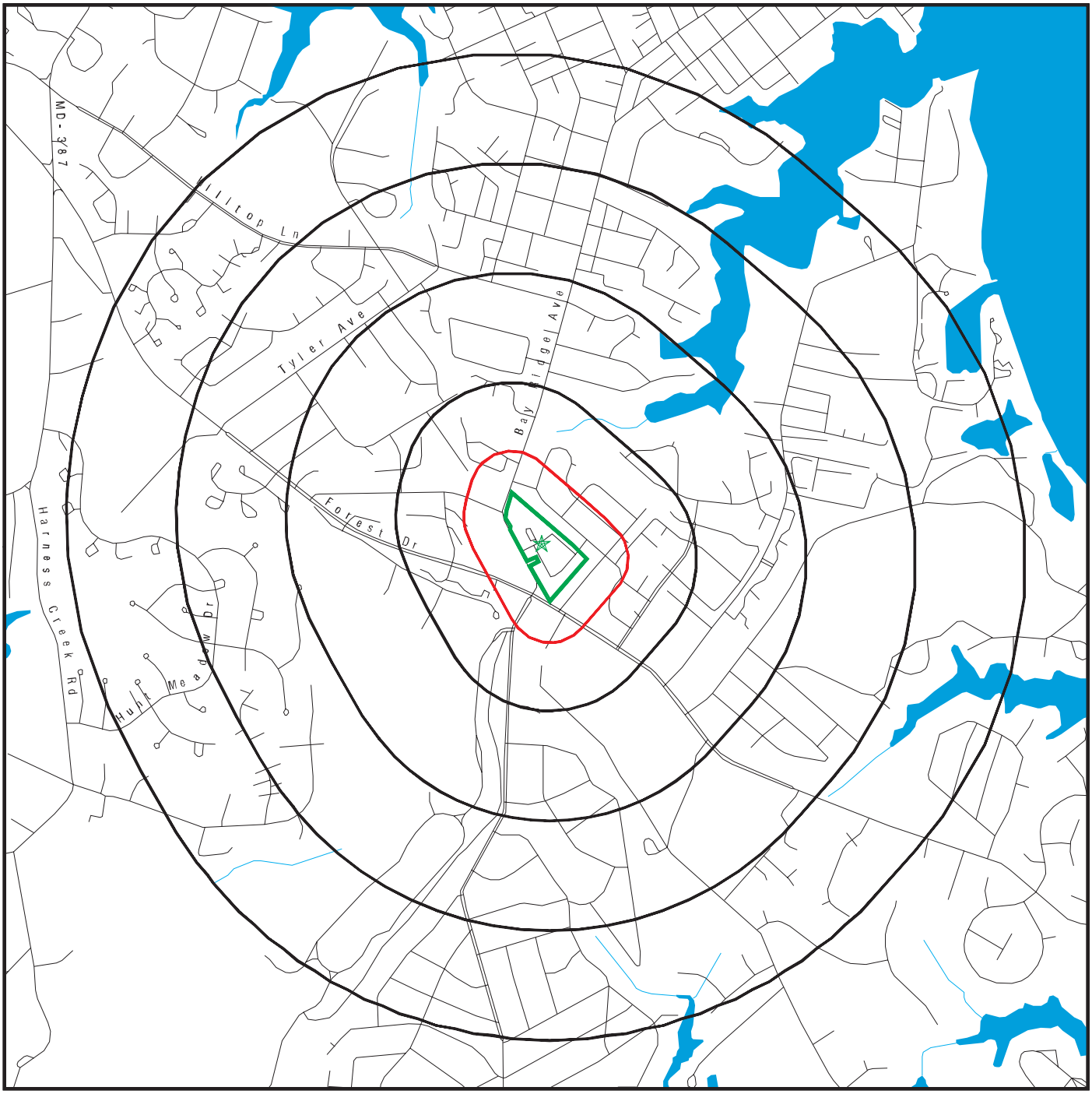
Street Name	Dist/Dir	Street Name	Dist/Dir
Alder Rd	0.13 North		
Annapolis Neck Rd	0.18 SW		
Ashton Ct	0.18 WNW		
Basswood Rd	0.08 NE		
Bay Ridge Ave	0.05 WSW		
Bay Ridge Rd	0.15 SSE		
Bens Dr	0.01 NNW		
Berwick Dr	0.19 NNW		
Chaney Rd	0.16 SSE		
Cypress Rd	0.12 SE		
Dogwood Rd	0.13 NE		
Dumbarton Ct	0.23 East		
Dumbarton Dr	0.17 ESE		
Ellington Dr	0.24 NW		
Evergreen Rd	0.20 NNE		
Forest Dr	0.11 SSW		
Forest Hills Ave	0.12 NW		
Georgetown Ct	0.19 ESE		
Graff Ct	0.23 WNW		
Hillsmere Dr	0.12 SSW		
Langdon Ct	0.19 NNW		
Marcs Ct	0.01 WNW		
Open View Ln	0.25 WSW		
Quiet Waters Farm Rd	0.20 SSW		
Quiet Waters Pl	0.13 SW		
Ramp	0.07 SSW		
Thom Ct	0.18 West		
Thom Dr	0.20 West		
Victor Pkwy	0.08 NE		

Environmental FirstSearch

1.000 Mile Radius

ASTM MAP: NPL, RCRACOR, STATES Sites

1 BENS DRIVE ANNAPOLIS, MD 21403



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

★ Target Property (Latitude: 38.951731 Longitude: 76.492105)

▲ Identified Sites

National Priority List Sites

Indian Reservations BIA

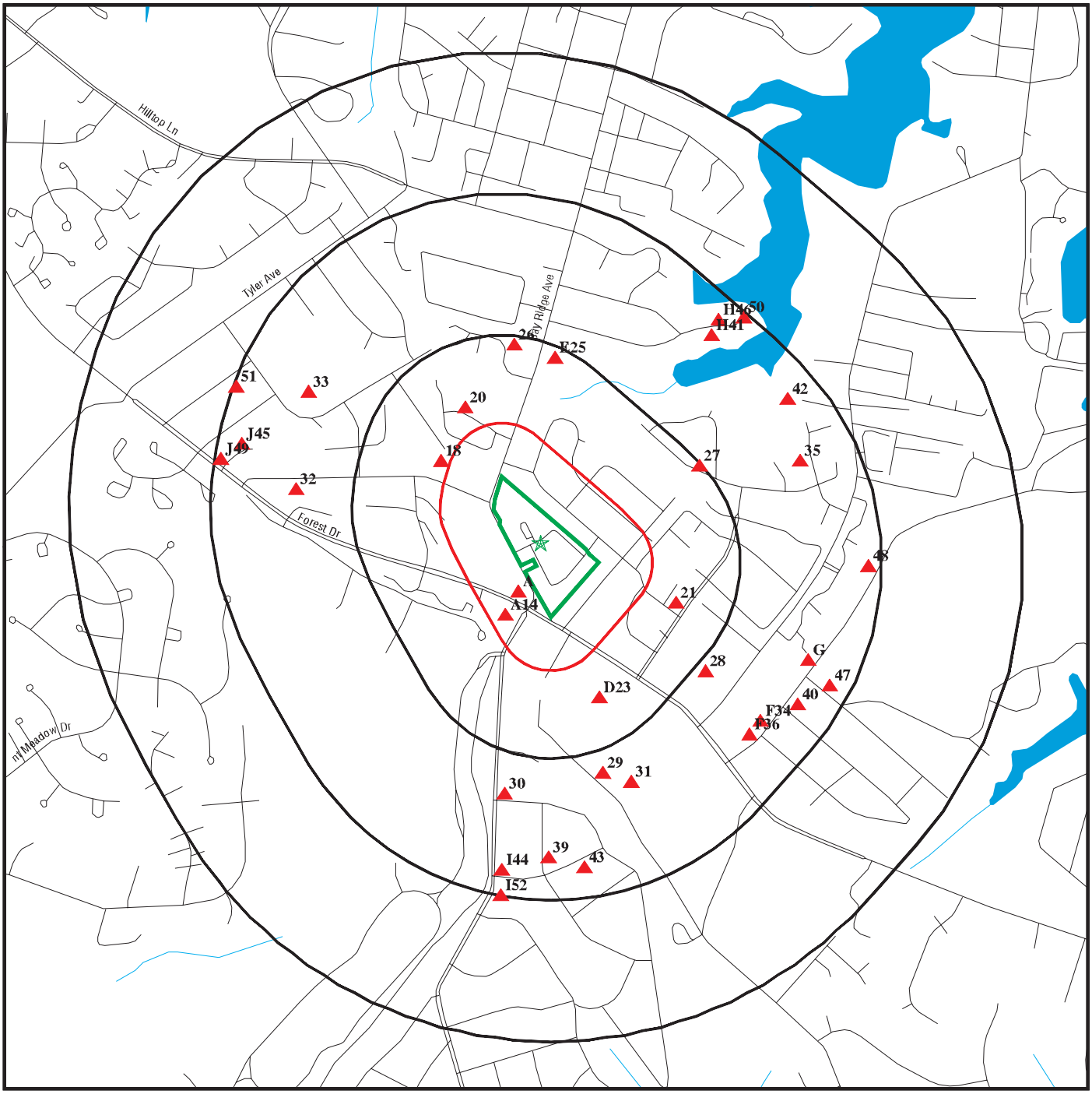
EDR Reference Code (EDR internal use only): 8085597.2s
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25-09-09.09:49:39.Tue

Environmental FirstSearch

0.750 Mile Radius

ASTM MAP: CERCLIS, RCRATSD, LUST, SWL

1 BENS DRIVE ANNAPOLIS, MD 21403



Black Rings Represent Qtr. Mile Radius; Red Ring Represents 500 ft. Radius

★ Target Property (Latitude: 38.951731 Longitude: 76.492105)

▲ Identified Sites

National Priority List Sites

Indian Reservations BIA

EDR Reference Code (EDR internal use only): 8085597.2s

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25-09-09.09:49:42.Tue

Environmental FirstSearch

0.25 Mile Radius

ASTM MAP: RCRAGEN, ERNS, UST, FED IC/EC, METH LABS

1 BENS DRIVE ANNAPOLIS, MD 21403



Black Rings Represent Qtr. Mile Radius; **Red Ring Represents 500 ft. Radius**

★ **Target Property (Latitude: 38.951731 Longitude: 76.492105)**

▲ **Identified Sites**

National Priority List Sites

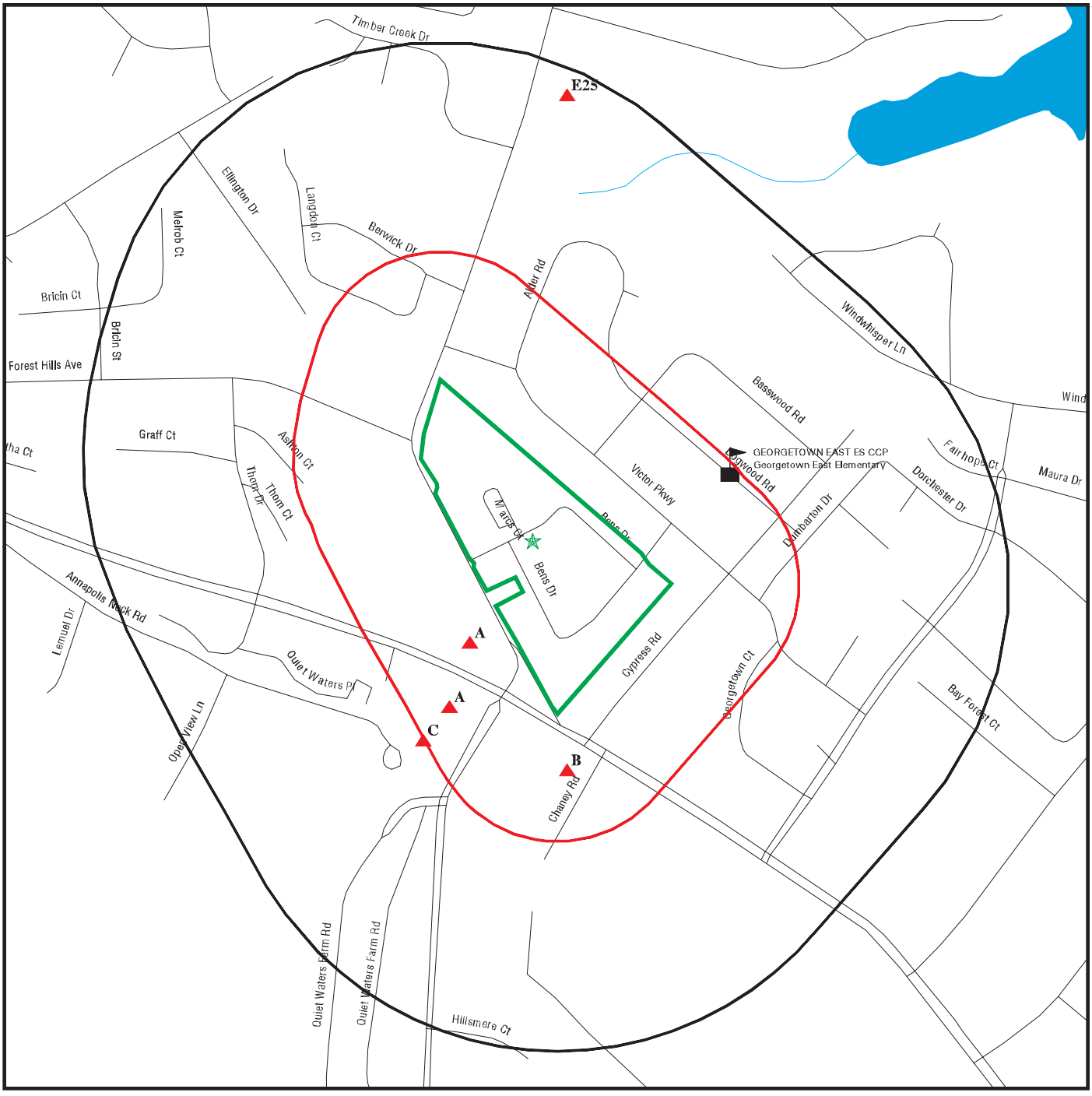
Indian Reservations BIA

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Environmental FirstSearch

0.25 Mile Radius
Non ASTM Map, Spills, FINDS

1 BENS DRIVE ANNAPOLIS, MD 21403



Black Rings Represent Qtr. Mile Radius; **Red Ring Represents 500 ft. Radius**

★ **Target Property (Latitude: 38.951731 Longitude: 76.492105)**

▲ **Identified Sites**

Sensitive Receptors

National Priority List Sites

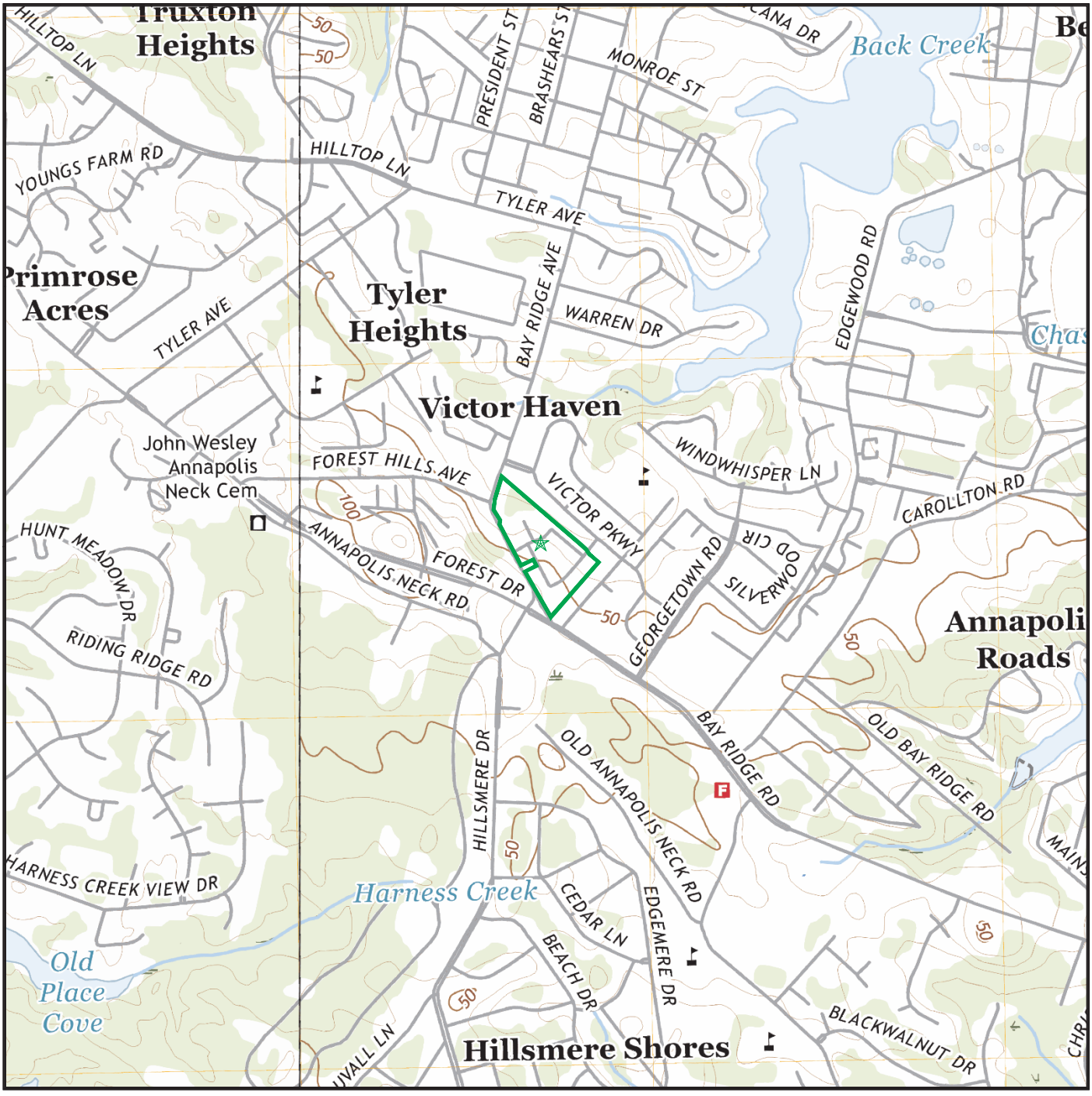
Indian Reservations BIA

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Site location Map

Topo: 0.75 Mile Radius

1 BENS DRIVE ANNAPOLIS, MD 21403



Map Image Position: TP
Map Reference Code & Name: 14405375 Annapolis
Map State(s): MD
Version Date: 2019
Map Image Position: W
Map Reference Code & Name: 14405431 South River
Map State(s): MD
Version Date: 2019

Bay Ridge Gardens
1 Bens Drive
Annapolis, MD 21403

Inquiry Number: 8085597.2s
September 16, 2025

EDR Vapor Encroachment Screen

Prepared using EDR's Vapor Encroachment Worksheet

EDR® Environmental Data Resources Inc

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www.edrnet.com

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Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by EDR. The report was designed to assist parties seeking to meet the search requirements of the ASTM Standard Practice for Assessment of Vapor Encroachment into Structures on Property Involved in Real Estate Transactions (E 2600).

STANDARD ENVIRONMENTAL RECORDS	Default Area of Concern (Miles)*	property	1/10	> 1/10
Lists of Federal NPL (Superfund) sites	1.0	0	0	0
Lists of Federal Delisted NPL sites	0.5	0	0	0
Lists of Federal sites subject to CERCLA removals and CERCLA orders	0.5	0	0	0
Lists of Federal CERCLA sites with NFRAP	0.5	0	0	0
Lists of Federal RCRA facilities undergoing Corrective Action	1.0	0	0	0
Lists of Federal RCRA TSD facilities	0.5	0	0	0
Lists of Federal RCRA generators	0.25	0	0	0
Federal institutional controls / engineering controls registries	0.125	0	0	0
Federal ERNS list	0.125	0	1	0
Lists of state- and tribal (Superfund) equivalent sites	not searched	-	-	-
Lists of state- and tribal hazardous waste facilities	1.0	0	0	0
Lists of state and tribal landfills and solid waste disposal facilities	0.75	0	0	0
Lists of state and tribal leaking storage tanks	0.5	0	3	1
Lists of state and tribal registered storage tanks	0.25	0	2	0
State and tribal institutional control / engineering control registries	0.125	0	0	0
Lists of state and tribal voluntary cleanup sites	0.5	0	0	0
Lists of state and tribal brownfield sites	0.5	0	0	0

ADDITIONAL ENVIRONMENTAL RECORDS				
Local Brownfield lists	0.5	0	0	0
Local Lists of Landfill / Solid Waste Disposal Sites	0.5	0	0	0
Local Lists of Hazardous waste / Contaminated Sites	not searched	-	-	-
Local Lists of Registered Storage Tanks	0.125	0	2	0
Local Land Records	not searched	-	-	-
Records of Emergency Release Reports	not searched	-	-	-
Other Ascertainable Records	1.0	0	0	0

EDR HIGH RISK HISTORICAL RECORDS				
EDR Exclusive Records	0.125	0	3	0
Exclusive Recovered Govt. Archives	property	0	-	-

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

EDR Exclusive Records	0.125	0	3	0
Exclusive Recovered Govt. Archives	property	0	-	-

*The Default Area of Concern may be adjusted by the environmental professional using experience and professional judgement. Each category may include several databases, and each database may have a different distance. A list of individual databases is provided at the back of this report.

EXECUTIVE SUMMARY

TARGET PROPERTY INFORMATION

ADDRESS

BAY RIDGE GARDENS
1 BENS DRIVE
ANNAPOLIS, MD 21403

COORDINATES

Latitude (North):	38.951731 - 38° 57′ 6.237488″
Longitude (West):	76.492105 - 76° 29′ 31.572876″
Elevation:	36 ft. above sea level

EXECUTIVE SUMMARY

SEARCH RESULTS

Unmappable (orphan) sites are not considered in the foregoing analysis.

STANDARD ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
CROWN HIST LUST: HIST LUST	2232 BAY RIDGE RD	<1/10 SSW	▲ A1	9
SHELL STATION - PMG 5038 UST: UST	2232 BAY RIDGE AVENUE	<1/10 SSW	▲ A2	9
2232 BAYRIDGE ROAD ERNS: ERNS	2232 BAYRIDGE ROAD	<1/10 SSW	▲ A4	10
CROWN MD-037 OCPCASES: OCPCASES	2232 BAY RIDGE AVE	<1/10 SSW	▲ A5	10
QUIET WATERS EXXON UST: UST OCPCASES: OCPCASES HIST LUST: HIST LUST	1000 FOREST DRIVE	<1/10 SSW	▲ A9	12
CITY OF ANNAPOLIS LIFT STATION OCPCASES: OCPCASES	KING JAMES LANDING RD	1/3 - 1/2 ENE	◆ 11	12

ADDITIONAL ENVIRONMENTAL RECORDS

Name	Address	Dist/Dir	Map ID	Page
CROWN SER. STATION #MD-37 HIST UST: Historical UST	2232 BAY RIDGE AVE. & FOREST	<1/10 SSW	▲ A6	11
EXXON STATION #2-7235 HIST UST: Historical UST	1000 FOREST DR	<1/10 SSW	▲ A10	12

EDR HIGH RISK HISTORICAL RECORDS

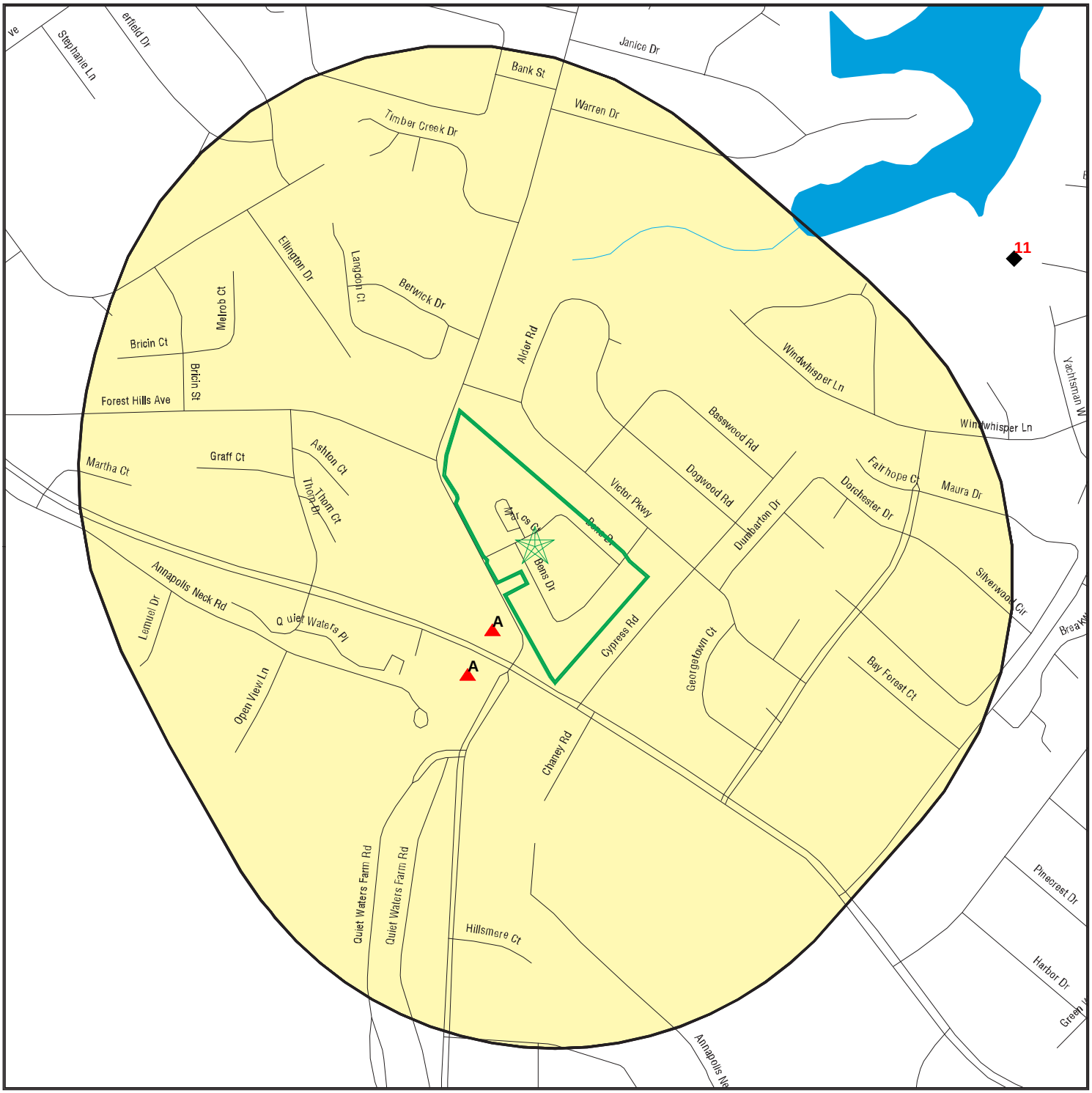
Name	Address	Dist/Dir	Map ID	Page
CROWN CENTRAL PETROLEUM CORP EDR Hist Auto: EDR Hist Auto	2232 BAY RDGE AV FREST DR	<1/10 SSW	▲ A3	10
JACKSON BAY RIDGE CROWN EDR Hist Auto: EDR Hist Auto	900 FOREST DR	<1/10 SSW	▲ A7	11
EASTPORT EXXON EDR Hist Auto: EDR Hist Auto	1000 FOREST DRIVE	<1/10 SSW	▲ A8	11

EXECUTIVE SUMMARY

EDR RECOVERED GOVERNMENT ARCHIVES

Name	Address	Dist/Dir	Map ID	Page
Not Reported				

PRIMARY MAP - 8085597.2S



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Indian Reservations BIA

Pipelines

0 300 1/3 1/2 Miles

SITE NAME:	Bay Ridge Gardens	CLIENT:	Dominion Environmental Group, Inc
ADDRESS:	1 Bens Drive Annapolis MD 21403	CONTACT:	Victor Lucas
		INQUIRY #:	8085597.2s
LAT/LONG:	38.951731 / 76.492105	DATE:	September 09, 2025 9:50 am

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SECONDARY MAP - 8085597.2S



- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Manufactured Gas Plants
- National Priority List Sites
- Indian Reservations BIA
- Pipelines
- Upgradient Area

SITE NAME:	Bay Ridge Gardens	CLIENT:	Dominion Environmental Group, Inc
ADDRESS:	1 Bens Drive	CONTACT:	Victor Lucas
	Annapolis MD 21403	INQUIRY #:	8085597.2s
LAT/LONG:	38.951731 / 76.492105	DATE:	September 09, 2025 9:50 am

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LEGEND

FACILITY NAME **FACILITY ADDRESS, CITY, ST, ZIP**		EDR SITE ID NUMBER
◆ **MAP ID#**	Direction Distance Range (Distance feet / miles) Relative Elevation Feet Above Sea Level	ASTM 2600 Record Sources found in this report. Each database searched has been assigned to one or more categories. For detailed information about categorization, see the section of the report Records Searched and Currency.

Worksheet:

Comments:
Comments may be added on the online Vapor Encroachment Worksheet.

DATABASE ACRONYM: Applicable categories (A hoverbox with database description).

CROWN 2232 BAY RIDGE RD, ANNAPOLIS, MD,			1000448090
▲ A1	SSW <1/10	(143 ft. / 0.027 mi.)	Lists of state and tribal leaking storage tanks
	24 ft. Higher Elevation	60 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

SHELL STATION - PMG 5038 2232 BAY RIDGE AVENUE, ANNAPOLIS, MD, 21403			U003752579
▲ A2	SSW <1/10	(143 ft. / 0.027 mi.)	Lists of state and tribal registered storage tanks
	24 ft. Higher Elevation	60 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

CROWN CENTRAL PETROLEUM CORP 2232 BAY RDGE AV FREST DR, ANNAPOLIS, MD, 21403			1020994753
▲ A3	SSW <1/10	(143 ft. / 0.027 mi.)	EDR Exclusive Records
	24 ft. Higher Elevation	60 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

2232 BAYRIDGE ROAD 2232 BAYRIDGE ROAD, ANNAPOLIS, MD,			92112399
▲ A4	SSW <1/10	(143 ft. / 0.027 mi.)	Federal ERNS list
	24 ft. Higher Elevation	60 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

CROWN MD-037 2232 BAY RIDGE AVE, ANNAPOLIS, MD, 21403			S104609065
▲ A5	SSW <1/10	(143 ft. / 0.027 mi.)	Lists of state and tribal leaking storage tanks
	24 ft. Higher Elevation	60 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

CROWN SER. STATION #MD-37 2232 BAY RIDGE AVE. & FOREST, ANNAPOLIS, MD, 21401			S104629243
▲ A6	SSW <1/10	(143 ft. / 0.027 mi.)	Local Lists of Registered Storage Tanks
	24 ft. Higher Elevation	60 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

JACKSON BAY RIDGE CROWN 900 FOREST DR, ANNAPOLIS, MD, 21403			1021194106
▲ A7	SSW <1/10	(159 ft. / 0.03 mi.)	EDR Exclusive Records
	23 ft. Higher Elevation	59 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

EASTPORT EXXON 1000 FOREST DRIVE, ANNAPOLIS, MD, 21403			1022061088
▲ A8	SSW <1/10	(352 ft. / 0.067 mi.)	EDR Exclusive Records
	32 ft. Higher Elevation	68 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

QUIET WATERS EXXON 1000 FOREST DRIVE, ANNAPOLIS, MD, 21403			1000335707
▲ A9	SSW <1/10	(352 ft. / 0.067 mi.)	Lists of state and tribal leaking storage tanks Lists of state and tribal registered storage tanks
	32 ft. Higher Elevation	68 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

EXXON STATION #2-7235 1000 FOREST DR, ANNAPOLIS, MD, 21403			S104629029
▲ A10	SSW <1/10	(352 ft. / 0.067 mi.)	Local Lists of Registered Storage Tanks
	32 ft. Higher Elevation	68 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

CITY OF ANNAPOLIS LIFT STATION KING JAMES LANDING RD, ANNAPOLIS, MD, 21403			S119104350
◆ 11	ENE 1/3 - 1/2	(2333 ft. / 0.442 mi.)	Lists of state and tribal leaking storage tanks
	21 ft. Lower Elevation	15 ft. Above Sea Level	

Worksheet:

Comments: See Phase I ESA for further discussion.
Conditions:

Petroleum Hydrocarbon Chemicals of Concern: YES
Groundwater Flow Gradient:

Upgradient or Indeterminate: YES

Hydrogeologically: YES

Topographically: YES

MAP FINDINGS

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
ENVIRONMENTAL RECORDS						
Federal NPL site list						
US	NPL	National Priority List	EPA	06/26/2025	07/01/2025	07/17/2025
US	Proposed NPL	Proposed National Priority List Sites	EPA	06/26/2025	07/01/2025	07/17/2025
US	NPL LIENS	Federal Superfund Liens	EPA	10/15/1991	02/02/1994	03/30/1994
Federal CERCLIS list						
US	SEMS	Superfund Enterprise Management System	EPA	06/26/2025	07/01/2025	07/17/2025
Federal RCRA CORRACTS facilities list						
US	CORRACTS	Corrective Action Report	EPA	06/02/2025	06/03/2025	06/16/2025
Federal RCRA TSD facilities list						
US	RCRA-TSDF	RCRA - Treatment, Storage and Disposal	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
Federal RCRA generators list						
US	RCRA-LQG	RCRA - Large Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-SQG	RCRA - Small Quantity Generators	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	RCRA-VSQG	RCRA - Very Small Quantity Generators (Formerly Conditionall	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
Federal institutional controls / engineering controls registries						
US	LUCIS	Land Use Control Information System	Department of the Navy	03/11/2025	04/02/2025	06/24/2025
US	US ENG CONTROLS	Engineering Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
US	US INST CONTROLS	Institutional Controls Sites List	Environmental Protection Agency	05/19/2025	05/20/2025	07/29/2025
Federal ERNS list						
US	ERNS	Emergency Response Notification System	National Response Center, United States Coast	06/10/2025	06/12/2025	06/16/2025
State and tribal - equivalent CERCLIS						
MD	SHWS	Notice of Potential Hazardous Waste Sites	Department of the Environment	10/01/2009	12/11/2009	12/14/2009
State and tribal landfill / solid waste disposal						
MD	SWF/LF	Permitted Solid Waste Disposal Facilities	Department of the Environment	03/03/2025	04/22/2025	07/15/2025
State and tribal leaking storage tank lists						
US	INDIAN LUST R10	Leaking Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R8	Leaking Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R7	Leaking Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN LUST R9	Leaking Underground Storage Tanks on Indian Land	Environmental Protection Agency	01/07/2025	01/16/2025	04/07/2025
US	INDIAN LUST R4	Leaking Underground Storage Tanks on Indian Land	EPA Region 4	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R1	Leaking Underground Storage Tanks on Indian Land	EPA Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R6	Leaking Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN LUST R5	Leaking Underground Storage Tanks on Indian Land	EPA, Region 5	11/18/2024	01/16/2025	04/07/2025
MD	OCPCASES	Oil Control Program Cases	Department of Environment	07/01/2025	08/12/2025	08/14/2025
MD	HIST LUST	Recovery Sites	Department of the Environment	03/01/1999	03/22/1999	04/16/1999

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
State and tribal registered storage tank lists						
MD	UST	Registered Underground Storage Tank List	Department of the Environment	04/01/2025	04/16/2025	07/09/2025
MD	AST	Permitted Aboveground Storage Tanks	Department of The Environment	04/01/2025	04/16/2025	07/09/2025
US	INDIAN UST R5	Underground Storage Tanks on Indian Land	EPA Region 5	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R1	Underground Storage Tanks on Indian Land	EPA, Region 1	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R10	Underground Storage Tanks on Indian Land	EPA Region 10	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R6	Underground Storage Tanks on Indian Land	EPA Region 6	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R7	Underground Storage Tanks on Indian Land	EPA Region 7	01/07/2025	01/16/2025	04/07/2025
US	INDIAN UST R8	Underground Storage Tanks on Indian Land	EPA Region 8	11/18/2024	01/16/2025	04/07/2025
US	INDIAN UST R9	Underground Storage Tanks on Indian Land	EPA Region 9	10/15/2024	01/16/2025	04/07/2025
US	INDIAN UST R4	Underground Storage Tanks on Indian Land	EPA Region 4	11/08/2024	01/16/2025	04/07/2025
US	FEMA UST	Underground Storage Tank Listing	FEMA	04/08/2025	04/23/2025	04/24/2025
State and tribal institutional control / engineering control registries						
MD	ENG CONTROLS	Engineering Controls Site listing	Department of the Environment	11/10/2008	11/21/2008	12/17/2008
MD	INST CONTROL	Voluntary Cleanup Program Applicants/Participants	Department of the Environment	05/30/2025	06/12/2025	09/08/2025
State and tribal voluntary cleanup sites						
US	INDIAN VCP R7	Voluntary Cleanup Priority Lisitng	EPA, Region 7	03/20/2008	04/22/2008	05/19/2008
MD	VCP	Voluntary Cleanup Program Applicants/Participants	Dept. of the Environment	03/05/2025	06/12/2025	09/08/2025
US	INDIAN VCP R1	Voluntary Cleanup Priority Listing	EPA, Region 1	07/27/2015	09/29/2015	02/18/2016
State and tribal Brownfields sites						
MD	BROWNFIELDS	Eligible Brownfields Properties	Department of Environment	05/27/2025	05/29/2025	08/18/2025
Other Records						
MD	Historical UST	Historical UST Registered Database	Department of Environment	11/21/1996	09/10/1997	10/22/1997
US	LEAD SMELTER 1	Lead Smelter Sites	Environmental Protection Agency	06/26/2025	07/01/2025	07/17/2025
US	SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing	Environmental Protection Agency	07/30/2021	02/03/2023	02/10/2023
US	US AIRS MINOR	Air Facility System Data	EPA	10/12/2016	10/26/2016	02/03/2017
US	US AIRS (AFS)	Aerometric Information Retrieval System Facility Subsystem (	EPA	10/12/2016	10/26/2016	02/03/2017
US	LEAD SMELTER 2	Lead Smelter Sites	American Journal of Public Health	04/05/2001	10/27/2010	12/02/2010
US	Delisted NPL	National Priority List Deletions	EPA	06/26/2025	07/01/2025	07/17/2025
US	SEMS-ARCHIVE	Superfund Enterprise Management System Archive	EPA	06/26/2025	07/01/2025	07/17/2025
US	RCRA NonGen / NLR	RCRA - Non Generators / No Longer Regulated	Environmental Protection Agency	06/02/2025	06/04/2025	06/16/2025
US	US BROWNFIELDS	A Listing of Brownfields Sites	Environmental Protection Agency	09/09/2024	09/11/2024	12/06/2024
US	FEDLAND	Federal and Indian Lands	U.S. Geological Survey	04/02/2018	04/11/2018	11/06/2019
US	UMTRA	Uranium Mill Tailings Sites	Department of Energy	05/15/2025	05/15/2025	07/29/2025
US	ODI	Open Dump Inventory	Environmental Protection Agency	06/30/1985	08/09/2004	09/17/2004
US	US MINES	Mines Master Index File	Department of Labor, Mine Safety and Health A	05/01/2025	05/20/2025	07/29/2025
US	MINES VIOLATIONS	MSHA Violation Assessment Data	DOL, Mine Safety & Health Admi	04/01/2025	04/02/2025	06/24/2025
US	US MINES 2	Ferrous and Nonferrous Metal Mines Database Listing	USGS	04/08/2025	05/20/2025	08/12/2025
US	US MINES 3	Active Mines & Mineral Plants Database Listing	USGS	04/14/2011	06/08/2011	09/13/2011
US	PRP	Potentially Responsible Parties	EPA	06/26/2025	07/01/2025	07/29/2025
US	TRIS	Toxic Chemical Release Inventory System	EPA	12/31/2023	02/11/2025	02/18/2025
US	RADINFO	Radiation Information Database	Environmental Protection Agency	07/01/2019	07/01/2019	09/23/2019

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date
US	BRS	Biennial Reporting System	EPA/NTIS	12/31/2023	02/19/2025	03/07/2025
US	PWS	Public Water System Data	EPA	12/17/2013	01/09/2014	10/15/2014
US	INDIAN RESERV	Indian Reservations	USGS	12/31/2014	07/14/2015	01/10/2017
US	INDIAN ODI	Report on the Status of Open Dumps on Indian Lands	Environmental Protection Agency	12/31/1998	12/03/2007	01/24/2008
US	ABANDONED MINES	Abandoned Mines	Department of Interior	05/28/2025	05/28/2025	06/03/2025
MD	AIRS	Permit and Facility Information Listing	Department of the Environment	03/26/2025	03/27/2025	04/04/2025
MD	DRYCLEANERS	Registered Drycleaning Facilities	Department of the Environmental	06/03/2025	06/03/2025	08/25/2025
US	PFAS PT 139 AIRPORT	All Certified Part 139 Airports PFAS Information Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS RCRA MANIFEST	PFAS Transfers Identified In the RCRA Database Listing	Environmental Protection Agency	03/23/2025	04/02/2025	05/05/2025
MD	PFAS	PFAS Contamination Site Listing	Department of the Environment	06/02/2025	06/03/2025	08/28/2025
US	PFAS WQP	Ambient Environmental Sampling for PFAS	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS TRIS	List of PFAS Added to the TRI	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS FEDERAL SITES	Federal Sites PFAS Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS ECHO FIRE TRAIN	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	FEDERAL FACILITY	Federal Facility Site Information listing	Environmental Protection Agency	05/05/2025	06/20/2025	08/27/2025
US	PCS	Permit Compliance System	EPA, Office of Water	12/16/2016	01/06/2017	03/10/2017
US	UST FINDER RELEASE	UST Finder Releases Database	Environmental Protecton Agency	06/08/2023	10/31/2023	01/18/2024
US	UST FINDER	UST Finder Database	Environmental Protection Agency	06/08/2023	10/04/2023	01/18/2024
US	PFAS NPL	Superfund Sites with PFAS Detections Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS ECHO	Facilities in Industries that May Be Handling PFAS Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	MINES MRDS	Mineral Resources Data System	USGS	06/04/2024	11/22/2024	02/18/2025
US	PFAS NPDES	Clean Water Act Discharge Monitoring Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	PFAS ATSDR	PFAS Contamination Site Location Listing	Department of Health & Human Services	06/24/2020	03/17/2021	11/08/2022
US	E MANIFEST	Hazardous Waste Electronic Manifest System	Environmental Protection Agency	06/02/2025	06/04/2025	08/13/2025
US	AQUEOUS FOAM NRC	Aqueous Foam Related Incidents Listing	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
US	BIOSOLIDS	ICIS-NPDES Biosolids Facility Data	Environmental Protection Agency	04/13/2025	04/15/2025	07/08/2025
US	PFAS PROJECT	NORTHEASTERN UNIVERSITY PFAS PROJECT	Social Science Environmental Health Research	05/15/2024	03/06/2025	06/03/2025
US	PFAS TSCA	PFAS Manufacture and Imports Information	Environmental Protection Agency	06/23/2025	06/26/2025	08/27/2025
HISTORICAL USE RECORDS						
US	EDR MGP	EDR Proprietary Manufactured Gas Plants	EDR, Inc.			
US	EDR Hist Auto	EDR Exclusive Historical Auto Stations	EDR, Inc.			
US	EDR Hist Cleaner	EDR Exclusive Historical Cleaners	EDR, Inc.			
MD	RGA HWS	Recovered Government Archive State Hazardous Waste Facilitie	Department of the Environment		07/01/2013	01/03/2014
MD	RGA LF	Recovered Government Archive Solid Waste Facilities List	Department of the Environment		07/01/2013	01/16/2014
MD	RGA LUST	Recovered Government Archive Leaking Underground Storage Tan	Department of the Environment		07/01/2013	01/03/2014

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

St	Acronym	Full Name	Government Agency	Gov Date	Arvl. Date	Active Date

STREET AND ADDRESS INFORMATION

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Appendix F:

Interview Documentation

User Questionnaire

SUBJECT PROPERTY NAME:	Bay Ridge Gardens
SUBJECT PROPERTY ADDRESS:	1 Bens Drive, Annapolis, Maryland

QUESTION	YES	NO	UNK
1. Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?			
2. Did a search of recorded land title records (or judicial records where appropriate) identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?			
3. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?			
4. Are you aware of any pending, threatened, or past litigation and/or administrative proceedings relevant to hazardous substances or petroleum products, in, on or from the subject property?			
5. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?			
6. Do you know the past uses of the property?			
7. Do you know specific chemicals that are present or once were present at the property?			
8. Do you know of spills or other chemical releases that have taken place at the property?			
9. Do you know of environmental cleanups that have taken place at the property?			
10. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?			
11. Is the property or has the property been used as a gasoline station, motor repair facility, commercial printing, dry cleaners, photo developing, landfill, industrial use, waste treatment or disposal facility?			
12. Are you aware of fill dirt that has been brought onto the subject property that originated from a contaminated site or that is of an unknown origin?			
13. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the subject property?			
14. Are there existing or proposed stationary tanks containing explosive or fire-prone materials of 100 gallons or larger on the site or nearby the site?			
15. Are there monitoring wells at the subject property?			
16. Are you aware of any asbestos-containing materials (ACMs) at the subject property?			
17. Are you aware of the existence of radon mitigation systems at the subject property? If so, please provide documentation (i.e. types of systems installed, when/who installed, which units mitigated, most recent testing results, copy of Radon OM&M, etc.).			
18a. Does the purchase price being paid for this property reasonably reflect the fair market value of the property?			
18b. If you conclude that there is a difference, have you considered whether the lower purchase price is because contamination is known or believed to be present at the property?			
19. Has a title search been performed? If yes, please attach.			
20. What type of property transaction is being performed? i.e. sale, purchase, transfer, refinance?			
21. If you are also the current landowner, in what year did you purchase the subject property?			

Please return to D3G: fax 804-588-5758 or mail it to 201 Wylderose Drive, Midlothian, VA 23113

PRINT NAME	**SIGNATURE**	**DATE**
TITLE/COMPANY	**YEARS WITH PROPERTY**	

NOT RETURNED

Current Landowner Questionnaire

SUBJECT PROPERTY NAME:	Bay Ridge Gardens
SUBJECT PROPERTY ADDRESS:	1 Bens Drive, Annapolis, Maryland

QUESTION	YES	NO	UNK
1. Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?			
2. Did a search of recorded land title records (or judicial records where appropriate) identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?			
3. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?			
4. Are you aware of any pending, threatened, or past litigation and/or administrative proceedings relevant to hazardous substances or petroleum products, in, on or from the subject property?			
5. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?			
6. Do you know the past uses of the property?			
7. Do you know specific chemicals that are present or once were present at the property?			
8. Do you know of spills or other chemical releases that have taken place at the property?			
9. Do you know of environmental cleanups that have taken place at the property?			
10. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?			
11. Is the property or has the property been used as a gasoline station, motor repair facility, commercial printing, dry cleaners, photo developing, landfill, industrial use, waste treatment or disposal facility?			
12. Are you aware of fill dirt that has been brought onto the subject property that originated from a contaminated site or that is of an unknown origin?			
13. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the subject property?			
14. Are there existing or proposed stationary tanks containing explosive or fire-prone materials of 100 gallons or larger on the site or nearby the site?			
15. Are there monitoring wells at the subject property?			
16. Is the subject property served by a private well and or a private septic system?			
17. Are you aware of any asbestos-containing materials (ACMs) at the subject property?			
18. Are you aware of the existence of radon mitigation systems at the subject property? If so, please provide documentation (i.e. types of systems installed, when/who installed, which units mitigated, most recent testing results, copy of Radon OM&M, etc.).			
17. What year did you purchase the subject property?			

Please return to D3G: fax 804-588-5758 or mail it to 201 Wylderose Drive, Midlothian, VA 23113

PRINT NAME	**SIGNATURE**	**DATE**
TITLE/COMPANY	**YEARS WITH PROPERTY**	

NOT RETURNED

Previous Landowner Property Questionnaire

SUBJECT PROPERTY NAME:	Bay Ridge Gardens
SUBJECT PROPERTY ADDRESS:	1 Bens Drive, Annapolis, Maryland

QUESTION	YES	NO	UNK
1. Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?			
2. Did a search of recorded land title records (or judicial records where appropriate) identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?			
3. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?			
4. Are you aware of any pending, threatened, or past litigation and/or administrative proceedings relevant to hazardous substances or petroleum products, in, on or from the subject property?			
5. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?			
6. Do you know the past uses of the property?			
7. Do you know specific chemicals that are present or once were present at the property?			
8. Do you know of spills or other chemical releases that have taken place at the property?			
9. Do you know of environmental cleanups that have taken place at the property?			
10. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?			
11. Is the property or has the property been used as a gasoline station, motor repair facility, commercial printing, dry cleaners, photo developing, landfill, industrial use, waste treatment or disposal facility?			
12. Are you aware of fill dirt that has been brought onto the subject property that originated from a contaminated site or that is of an unknown origin?			
13. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the subject property?			
14. Are there existing or proposed stationary tanks containing explosive or fire-prone materials of 100 gallons or larger on the site or nearby the site?			
15. Are there monitoring wells at the subject property?			
16. Is the subject property served by a private well and or a private septic system?			
17. Are you aware of any asbestos-containing materials (ACMs) at the subject property?			
18. Are you aware of the existence of radon mitigation systems at the subject property? If so, please provide documentation (i.e. types of systems installed, when/who installed, which units mitigated, most recent testing results, copy of Radon OM&M, etc.).			

Please return to D3G: fax 804-588-5758 or mail it to 201 Wylderose Drive, Midlothian, VA 23113

PRINT NAME	**SIGNATURE**	**DATE**

TITLE/COMPANY	**YEARS WITH PROPERTY**

NOT RETURNED

KEY SITE MANAGER QUESTIONNAIRE

SUBJECT PROPERTY NAME:	Bay Ridge Gardens
SUBJECT PROPERTY ADDRESS:	1 Bens Drive, Annapolis, Maryland

QUESTION	YES	NO	UNK
1. Did a search of recorded land title records (or judicial records where appropriate) identify any environmental liens filed or recorded against the property under federal, tribal, state or local law?			
2. Did a search of recorded land title records (or judicial records where appropriate) identify any Activity and Use Limitations (AULs), such as engineering controls, land use restrictions or institutional controls that are in place at the property and/or have been filed or recorded against the property under federal, tribal, state or local law?			
3. Are you aware of any notices from any governmental entity regarding any possible violation of environmental laws or possible liability relating to hazardous substances or petroleum products?			
4. Are you aware of any pending, threatened, or past litigation and/or administrative proceedings relevant to hazardous substances or petroleum products, in, on or from the subject property?			
5. Do you have any specialized knowledge or experience related to the property or nearby properties? For example, are you involved in the same line of business as the current or former occupants of the property or adjoining property so that you would have specialized knowledge of the chemicals and processes used by this type of business?			
6. Do you know the past uses of the property?			
7. Do you know specific chemicals that are present or once were present at the property?			
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10. Based on your knowledge and experience related to the property, are there any obvious indicators that point to the presence or likely presence of releases at the property?			
11. Is the property or has the property been used as a gasoline station, motor repair facility, commercial printing, dry cleaners, photo developing, landfill, industrial use, waste treatment or disposal facility?			
12. Are you aware of fill dirt that has been brought onto the subject property that originated from a contaminated site or that is of an unknown origin?			
13. Are there currently, or to the best of your knowledge have there been previously, any registered or unregistered storage tanks (above or underground) located on the subject property?			
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Please return to D3G: fax 804-588-5758 or mail it to 201 Wylderose Drive, Midlothian, Virginia 23113

PRINT NAME	**SIGNATURE**	**DATE**
TITLE/COMPANY	**YEARS WITH PROPERTY**	

NOT RETURNED

Fire Contact: Fire official **From:** Compliance Department

Municipality: Anne Arundel County **Department:** Fire

Phone: 804-665-2902 **Fax:** Email: comp@d3g.com

Pages: 2 **Date:** 08/27/2025

☒ Urgent ☐ For Review ☐ Please Comment ☒ Please Reply ☐ Please Recycle

To meet the financing requirements of the loan program, Dominion Due Diligence Group is requesting your assistance on behalf of:

Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-Rehab
551 Fifth Avenue 23rd Floor
New York, NY 10176

This information is required for the HUD re-financing report for the following property:

Bay Ridge Gardens
1 Bens Drive
Annapolis, MD 21403

Please email completed letter to my attention at comp@d3g.com.

If unable to send via email, please fax to me at 804-588-5758 before mailing a hard copy to my attention.

Thank you for your time,

Compliance Department
P: 804-665-2902 F: 804-588-5758 E: comp@d3g.com

[2025-001713] **Initials:** CD

COMPLIANCE REQUEST:
Fire and Code Enforcement Verifications

Date: 08/27/2025

Completed By: Name & Title: _____
Department: _____
Direct Contact Info: _____

Re: Property: Bay Ridge Gardens
Address: 1 Bens Drive
City, State & Zip: Annapolis, MD 21403

Requestor:

Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-I
551 Fifth Avenue 23rd Floor
New York, NY 10176

Dominion Due Diligence Group is requesting your assistance on behalf of the above referenced requestor. Please confirm whether the above noted subject property has any known outstanding fire code violations.

1. To the best of our knowledge, the property is free of any applicable code violations.

   Yes No Reason: _____

2. **Last Inspection Date:** _____

If available, attach the inspection report. Please list the frequency in which inspections are required. If no inspections are required, please list municipality's policy:

_____

3. Are any permits available for former or current underground storage tanks?

   Yes If yes, please attach all related information.

   No If no, can you provide a department to contact for additional information.

4. Has the fire department responded to any hazmat spills at the property?

   Yes If yes, please attach all related information.

   No If no, can you provide a department to contact for additional information.

5. Are there any current or recent (within the past year) permits issued for thermal/explosive hazards (aboveground storage tanks >100 gallons) located within a one (1) mile radius of the subject property?

   Yes If yes, please attach a copy of all available information. No

6. Has your jurisdiction adopted the 2017 edition (or newer) of the National Fire Protection Association (NFPA) 58 Liquefied Petroleum Gas Code?

   Yes No

_____ _____

Fire Official Signature Date

City of Annapolis
Office of Law
160 Duke of Gloucester Street
Annapolis, MD 21401-2517

Citypiarequests@annapolis.gov • 410-263-7954 • Fax 410-268-3916 • TDD use MD Relay or 711 • www.annapolis.gov

Public Information Act (PIA) Records Request Form

All requests for records maintained by the City of Annapolis pursuant to the Maryland Public Information Act should be submitted on this form to the Office of Law, ***except*** for Police and Fire records which each have their own forms. Please type or print.

Individual Name Penelope Huhmann Date 08/27/2025

Business/Organization Name Dominion Due Diligence

Mailing Address 201 Wylderose Drive

City Midlothian State VA Zip 23113

Phone Numbers 804-665-2902

Email Address comp@d3g.com

Describe or identify the records that you want to inspect or copied in as much detail as possible.

See Attached

1. Annapolis **Fire Department** reports: To obtain an Annapolis Fire Department **FIRE Report**, please complete the City of Annapolis Fire Department Request for Fire Report Form. To obtain an Annapolis Fire Department **EMS Report**: Please contact the City of Annapolis Fire Department Headquarters at 410-263-7975 X 0 between the hours of 8:30 a.m. – 4:30 p.m. during normal business days.

2. Annapolis **Police Department** reports: Please also complete the City of Annapolis Police Department Records Request Form. Please note the different fee charges on that form. ☐ Yes ☑ No

3. **Zoning Verification** Letter: Note that a flat $35.00 fee applies to this request. ☐ Yes ☑ No

The City of Annapolis charges a fee of 25¢ per page for copies of most standard documents. There is no copy fee charged for requests of fewer than 10 pages. Copying charges may be more for larger size items or other specialty type records (see above). There may also be a fee of $30.00 per hour for retrieval and review of the records if the retrieval and review take more than 2 hours. In the case of an unusually large expense, prepayment may be required in advance.

☐ I am willing to pay all fees for this request without prior notification.

☑ I am willing to pay fees for this request up to a maximum of $25. If you estimate that the fees will exceed this limit, please contact me at the email address above.

☐ I am requesting that fees be waived on the following grounds:

A "person in interest" is a person who is the subject of the record, that person's designee, or that person's parent or legal representative if the person has a disability. Under law, certain records that would not otherwise be available may be available to a "person in interest." Are you a "person in interest?" If yes, please explain below. ☐ Yes ☑ No

Does any part of this request relate to any City-owned building or property? ☐ Yes ☑ No

Signature Penelope Huhmann Digitally signed by Penelope Huhmann DN: cn=Penelope Huhmann, o=Dominion Due Diligence, email=p.huhmann@d3g.com Date: 2025.08.27 10:49:55 -04'00' Date 08/27/2025

Fire Contact: Fire official **From:** Compliance Department

Municipality: Anne Arundel County **Department:** Fire

Phone: 804-665-2902 **Fax:** Email: comp@d3g.com

Pages: 2 **Date:** 08/27/2025

☒ Urgent ☐ For Review ☐ Please Comment ☒ Please Reply ☐ Please Recycle

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551 Fifth Avenue 23rd Floor
New York, NY 10176

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1 Bens Drive
Annapolis, MD 21403

Please email completed letter to my attention at comp@d3g.com.

If unable to send via email, please fax to me at 804-588-5758 before mailing a hard copy to my attention.

Thank you for your time,

Compliance Department
P: 804-665-2902 F: 804-588-5758 E: comp@d3g.com

[2025-001713] **Initials:** CD

COMPLIANCE REQUEST:
Fire and Code Enforcement Verifications

Date: 08/27/2025

Completed By: Name & Title: _____
Department: _____
Direct Contact Info: _____

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Address: 1 Bens Drive
City, State & Zip: Annapolis, MD 21403

Requestor:

Rose Community Development Company, LLC c/o Bay Ridge Gardens, Acq-I
551 Fifth Avenue 23rd Floor
New York, NY 10176

Dominion Due Diligence Group is requesting your assistance on behalf of the above referenced requestor. Please confirm whether the above noted subject property has any known outstanding fire code violations.

1. To the best of our knowledge, the property is free of any applicable code violations.

   Yes No Reason: _____

2. **Last Inspection Date:** _____

If available, attach the inspection report. Please list the frequency in which inspections are required. If no inspections are required, please list municipality's policy:

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3. Are any permits available for former or current underground storage tanks?

   Yes If yes, please attach all related information.

   No If no, can you provide a department to contact for additional information.

4. Has the fire department responded to any hazmat spills at the property?

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   No If no, can you provide a department to contact for additional information.

5. Are there any current or recent (within the past year) permits issued for thermal/explosive hazards (aboveground storage tanks >100 gallons) located within a one (1) mile radius of the subject property?

   Yes If yes, please attach a copy of all available information. No

6. Has your jurisdiction adopted the 2017 edition (or newer) of the National Fire Protection Association (NFPA) 58 Liquefied Petroleum Gas Code?

   Yes No

_____ _____

Fire Official Signature Date

DOMINION
DUE DILIGENCE

To: Anne Arundel County
Attn: Open Records Environmental Health
Date: 08/27/2025
Re: Project: Bay Ridge Gardens
Address: 1 Bens Drive Annapolis, MD 21403
PIN: 02-0000000023451, 02-0000000023106

As part of the real estate screening that we are performing at the above-listed property, I am requesting assistance to locate any environmental-related permits and information associated with the property.

Please answer the following questions:

Is any information for former or current wells or septic tanks available for the property?

☐ Yes If yes, please attach all related information

☐ No

If the answer to the above question is No, is the property located on City Sewer?

☐ Yes

☐ No

Are there any known Regional Health issues associated with this property?

☐ Yes If yes, please attach all related information

☐ No

Comments:

Signature

Printed Name, Title

Thank you for your time and effort in completing the above request for information. If any more information is needed from our company regarding the screening that we are performing on the above property, please contact me at **(804) 665-2902**. I will follow up directly due to the timeliness of need for this information. Please fax this form and any additional information to me at **(804) 588-5758**.

Thanks for your time,

Compliance Department,
comp@d3g.com

City of Annapolis
Office of Law
160 Duke of Gloucester Street
Annapolis, MD 21401-2517

Citypiarequests@annapolis.gov • 410-263-7954 • Fax 410-268-3916 • TDD use MD Relay or 711 • www.annapolis.gov

Public Information Act (PIA) Records Request Form

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Individual Name Penelope Huhmann Date 08/27/2025

Business/Organization Name Dominion Due Diligence

Mailing Address 201 Wylderose Drive

City Midlothian State VA Zip 23113

Phone Numbers 804-665-2902

Email Address comp@d3g.com

Describe or identify the records that you want to inspect or copied in as much detail as possible.

See Attached

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2. Annapolis **Police Department** reports: Please also complete the City of Annapolis Police Department Records Request Form. Please note the different fee charges on that form. ☐ Yes ☑ No

3. **Zoning Verification** Letter: Note that a flat $35.00 fee applies to this request. ☐ Yes ☑ No

The City of Annapolis charges a fee of 25¢ per page for copies of most standard documents. There is no copy fee charged for requests of fewer than 10 pages. Copying charges may be more for larger size items or other specialty type records (see above). There may also be a fee of $30.00 per hour for retrieval and review of the records if the retrieval and review take more than 2 hours. In the case of an unusually large expense, prepayment may be required in advance.

☐ I am willing to pay all fees for this request without prior notification.

☑ I am willing to pay fees for this request up to a maximum of $25. If you estimate that the fees will exceed this limit, please contact me at the email address above.

☐ I am requesting that fees be waived on the following grounds:

A "person in interest" is a person who is the subject of the record, that person's designee, or that person's parent or legal representative if the person has a disability. Under law, certain records that would not otherwise be available may be available to a "person in interest." Are you a "person in interest?" If yes, please explain below. ☐ Yes ☑ No

Does any part of this request relate to any City-owned building or property? ☐ Yes ☑ No

Signature Penelope Huhmann Digitally signed by Penelope Huhmann DN: cn=Penelope Huhmann, o=Dominion Due Diligence, email=p.huhmann@d3g.com Date: 2025.08.27 10:46:16 -04'00' Date 08/27/2025

DOMINION
DUE DILIGENCE

To: Anne Arundel County
Attn: Open Records Environmental Health
Date: 08/27/2025
Re: Project: Bay Ridge Gardens
Address: 1 Bens Drive Annapolis, MD 21403
PIN: 02-0000000023451, 02-0000000023106

As part of the real estate screening that we are performing at the above-listed property, I am requesting assistance to locate any environmental-related permits and information associated with the property.

Please answer the following questions:

Is any information for former or current wells or septic tanks available for the property?

☐ Yes If yes, please attach all related information

☐ No

If the answer to the above question is No, is the property located on City Sewer?

☐ Yes

☐ No

Are there any known Regional Health issues associated with this property?

☐ Yes If yes, please attach all related information

☐ No

Comments:

Signature

Printed Name, Title

Thank you for your time and effort in completing the above request for information. If any more information is needed from our company regarding the screening that we are performing on the above property, please contact me at **(804) 665-2902**. I will follow up directly due to the timeliness of need for this information. Please fax this form and any additional information to me at **(804) 588-5758**.

Thanks for your time,

Compliance Department,
comp@d3g.com

Appendix G:

Special Contractual Conditions Between User and Environmental Professional

There are no special contractual conditions between the User and Environmental Professional:

D3G has no financial interest or family relationship with the officers, directors, stockholders or partners of the Borrower, the general contractor, any subcontractors, the buyer or seller of the proposed property or engage in any business that might present a conflict of interest.

D3G is employed under contract for this specific assignment and has no other side deals, agreements, or financial considerations with the Lender or others in connection with this transaction.

Appendix H:

Qualifications of the Environmental Professionals

DOMINION
DUE DILIGENCE

SCOTT BYERLY

Property Needs Assessor
s.byerly@d3g.com / 804-358-2020

EDUCATION

Old Dominion University - B.S. Mechanical Engineering

Averett University – M.B.A.

CERTIFICATIONS/REGISTRATIONS/TRAINING

- Commonwealth of Virginia Class "B" Building Contractor (expired)
- HUD Multi-Family Accelerated Processing (*MAP*) Cost/A&E Seminar *(New York City)*
- Principles of Environmental Site Assessments-ASTM E 1527-05
- Energy Auditor-Saturn Online Training
- EarthCraft of Virginia Multi-Family Developer Training
- Basics of Elevator Inspections given by Sanjay Kamani, QEI, KP Property Advisors LLC
- Building Performance Institute (*BPI*) Certified Multi-Family Building Analyst Professional
- Thermography Training for Energy Applications (*Monroe Infrared Technologies*)
- Fair Housing Act Training – Design and Construction Requirements (*Hampton, VA*)
- Fair Housing Act Accessibility Training-Phillip Zook (*2-Day Training-Richmond, VA*)

SUMMARY OF EXPERIENCE

Scott has experience with all phases of commercial, industrial, and residential construction and design projects. Scott was a general contractor prior to joining Dominion Due Diligence Group a Property Needs Assessor. In addition, Scott has extensive facility maintenance and project engineering experience with his former employer United Parcel Service, Inc. His duties there included project management of multiple facility equipment upgrades, building expansions, and office remodeling projects. Moreover, he was the UPS Virginia District Environmental and ADA Coordinator. Environmental Coordinator duties included management of all facility related environmental compliance and regulatory issues regarding UST/AST equipment, clean air, storm water, and drinking water.

SAMPLE PROJECTS

HUD MAP 202/223(f)

- Al Gomer Residence *(Orange, NJ)*
- Elsie Mason Manor *(Des Moines, IA)*
- Flat Rock Tower Co-Op *(Flat Rock, MI)*

HUD RAD

- Broadway Townhouses *(Camden, NJ)*
- Scott County CDA *(Scott County, MN)*
- Bruce Rose Plaza *(Wilson, NC)*
- Gabilan Plaza *(Salinas, CA)*
- Parkwood Apartments (Toledo, OH)
- Lakeview Apartments *(White Plains, NY)*
- Union Square *(Cleveland, OH)*
- Dover Square *(Pittsfield, MA)*
- McMinnville Housing Authority *(McMinnville, TN)*

HUD MARK-TO-MARKET GPCA

- Greentree Apartments *(Marion, IN)*
- Westwood Acres *(Huntington, WV)*
- Capitol Vanira *(Atlanta, GA)*
- Kaniksu Village *(Metaline Falls, WA)*
- Friendship Manor Apartments *(Caldwell, ID.)*

DOMINION
DUE DILIGENCE

SCOTT BYERLY

Property Needs Assessor

s.byerly@d3g.com / 804-358-2020

SUMMARY OF EXPERIENCE *(cont'd)*

Scott's ADA Coordinator responsibilities included annual site inspections for ADA compliance and project coordinator for any/all projects regarding the ADAAG as they related to the facilities. Scott has over fifteen (15) years of experience inspecting Multi-Family HUD Housing, and skilled nursing and assisted living facilities for HUD financing. Scott also has six years of experience as a project manager performing OAHP Green Physical Condition Assessments and Green Retrofit projects, as well as over nine years of experience with HUD RAD projects and associated energy audits. Scott also has extensive experience with LIHTC projects. Currently, Scott also serves as a Training Manager of new Property Needs Assessors with D3G.

SAMPLE PROJECTS

OAHP (GREEN RETROFIT PRG)

- Pembroke Towers
  (Pembroke Pines, FL)
- Gibson Plaza
  (Washington, D.C.)
- Walworth Apartments
  (Lake Geneva, WI)

HUD LEAN 232/223(f)

- Americare Convalescent Center
  (Detroit, MI)
- Ivy Hall Geriatric & Rehab Center
  (Baltimore, MD)
- Lakewood Senior Living of Pratt
  (Pratt, KS)
- River Place Nursing Center
  (Armory, MS)

ASTM

- Jaycees Tower
  (Dayton, OH)
- Greccio Housing
  (Colorado Springs, CO)
- Parktowne Apartments
  (Norfolk, VA)

LIHTC

- Park Place Apartments
  (PHFA – Elizabethtown, PA)
- Larry Moore Manor
  (GA DCA – Union City, GA)
- Kinsey Cove
  (AHFA – Dothan, AL)
- Lyon Homes
  (MD DHCD – Dundalk, MD)
- Jackson Park
  (IHDA – Chicago, IL)
- Hickory Heights
  (SCSHFDA – Abbeville, SC)
- Western Heights
  (THDA – Knoxville, TN)

DOMINION
DUE DILIGENCE

VICTOR LUCAS

Environmental Technician
v.lucas@d3g.com / 804-236-6300

EDUCATION

Vrije Universiteit Amsterdam – M.S. in Environment and Resource Management, specialization in Global Water Challenges

American University — B.A. in International Studies, focus in Environmental Sustainability

CERTIFICATIONS/REGISTRATIONS/TRAINING

- Principles of Phase I Environmental Site Assessments - ASTM E 1527
- Principles of Vapor Encroachment Screenings – ASTM E 2600
- Principles of Property Conditions Assessments – ASTM E 2018
- HUD Multi-Family Accelerated Processing (MAP) Training
- HUD Office of Residential Care Facilities (ORCF) Training
- HUD Web-based Instructional System for Environmental Reviews (WISER)
- OSHA/AHERA Asbestos Awareness Training
- HUD Lead-Based Paint Visual Assessment Training Course
- OSHA 10-Hour Outreach Training for General Industry

SUMMARY OF EXPERIENCE

Victor Lucas is an Environmental Technician for Dominion Due Diligence Group. As an Environmental Technician, Mr. Lucas is directly responsible for coordinating, conducting and preparing Phase I Environmental Site Assessments (HUD, ASTM E 1527, state tax credits, Fannie Mae, Freddie Mac, etc.) throughout the United States. Mr. Lucas is also directly responsible for coordinating, conducting and preparing Environmental Reviews throughout the United States, consisting of compliance evaluations with the National Environmental Policy Act (NEPA) and other project-specific guidance requirements (MAP, LEAN, HOME, HTF, etc.). Additionally, Mr. Lucas is responsible for performance and management of field projects, client contact and comprehensive report writing.

SAMPLE PROJECTS

HUD MAP 223(f)
- Monsignor Neagle Apartments *(Malden, MA)*
- Park Plaza Apartments (Warren, OH)
- The Life at Brighton Estates *(Houston, TX)*

HUD SAC
- Considine (Cincinnati, OH)

CAPITAL FUND PROGRAM
- 121 and 126 Chambers Ave Demo (Lipsey Street Apartments) (Union, SC)

SECTION 8 CONTRACT RENEWAL
- Proposed Heritage at Old Town Phase I & Phase II (Alexandria, VA)

HUD MAP 221d4 SR
- Green Valley Apartments (Washington D.C.)

STATE HOUSING TAX CREDITS
- Huntington Village *(VA Housing – Newport News, VA)*

ASTM/AAI COMPLIANT
- Mount Olivet *(Washington, DC)*

DOMINION DUE DILIGENCE

BRANDON R. VIDRA, EP

Housing Preservation Services – Environmental Team Leader
b.vidra@d3g.com / 804-577-7409

EDUCATION

James Madison University — B.S. in Integrated Science and Technology

CERTIFICATIONS/REGISTRATIONS/TRAINING

- Principles of Phase I Environmental Site Assessments - ASTM E 1527
- Principles of Vapor Encroachment Screenings – ASTM E 2600
- HUD Multi-Family Accelerated Processing (MAP) Training
- HUD Office of Residential Care Facilities (ORCF) Training
- HUD Rental Assistance Demonstration (RAD) Training
- HUD Web-based Instructional System for Environmental Reviews (WISER)
- OSHA/AHERA Asbestos Awareness Training
- 24-Hour Asbestos Inspector Initial Training Course
- HUD Lead-Based Paint Visual Assessment Training Course
- 24-Hour Lead-Based Paint Inspector Initial Training Course

SUMMARY OF EXPERIENCE

Brandon Vidra has numerous years of training and experience with regards to environmental issues, including the preparation of over several hundred Phase 1 Environmental Site Assessments and HUD Environmental Reviews, throughout the United States. He also has extensive knowledge of the ASTM E 1527 Phase I Environmental Site Assessment regulations, as well as the EPA 40 CFR Part 312 Standards and Practices for All Appropriate Inquiries regulations. Mr. Vidra qualifies as an Environmental Professional as defined under ASTM E1527-21 Section 4.3 and Appendix X2 with over 5 years of experience performing investigations of surface and subsurface environmental conditions. As Environmental Team Leader and an Environmental Professional for Dominion Due Diligence Group, Mr. Vidra's responsibilities include coordinating, conducting, preparing, and reviewing Phase I Environmental Site Assessments (ASTM, HUD, HUD RAD, SAC, and State Housing Tax Credit Programs), as well as Environmental Reviews throughout the United States, consisting of compliance evaluations with the National Environmental Policy Act (NEPA) and other project-specific guidance requirements (RAD, SAC, MAP, LEAN, HOME, HTF, etc.). Additionally, Mr. Vidra is responsible for training, performance, and management of Housing Preservation Services (HPS) Environmental Technicians, client contact, and comprehensive report reviewing.

SAMPLE PROJECTS

HUD RAD
- Proposed Taft Homes *(Peoria, IL)*
- Woodhill Homes – Phase I *(Cleveland, OH)*
- Lincoln Road Apartments *(Washington D.C.)*
- Proposed Cedar Gardens *(North Little Rock, AR)*

HUD SAC
- River View Tower *(New Albany, IN)*
- Orange Avenue Apartments *(Tallahassee, FL)*
- Columbia Apartments *(Columbia, SC)*

STATE HOUSING TAX CREDITS
- Cathedral Place Apartments *(Mobile AL) AHFA*
- Armory Terrace Homes *(Waukegan, IL) IHDA*
- Woodhill Homes Phase I *(Cleveland, OH) OHFA*

HUD MAP 221(d)(4) NC
- Proposed Piney Creek Apartments *(Athens, AL)*
- Proposed Exchange at 1105 *(LaGrange, GA)*
- Proposed Duhan Road *(Lafayette, LA)*

HUD MAP 221(d)(4) SR
- Murraygate Village Apartments *(Alexandria, VA)*
- Canton Manor, Royal Estates, and Madison Heights *(Canton, MS)*
- The Homes at Pine Crossing *(North Little Rock, AR)*

DOMINION
DUE DILIGENCE

ROB HAZELTON, LEED AP

Chief Executive Officer

r.hazelton@d3g.com / 804-513-6354

EDUCATION

Bucknell University – Bachelor of Arts

PROFESSIONAL MEMBERSHIPS

- Eastern Lenders Association (ELA)
- Federal Home Loan Bank (FHLB) - Atlanta Affordable Housing Advisory Council
- Greater Richmond Association for Commercial Real Estate (GRACRE)
- Housing Advisory Group (HAG)
- Institute for Responsible Housing Preservation (IRHP)
- Midwest Lenders Association (MLA)
- Mortgage Bankers Association (MBA)
- Mortgage Lenders Association (MLA)
- National Association of Home Builders (NAHB)
- National Housing and Rehabilitation Association (NH&RA)
- National Leased Housing Association (NLHA *Board of Directors)
- Southeastern Mortgage Advisory Council (SMAC)
- US Green Building Council (USGBC)
- Various State Affordable Housing Organizations (CO, GA, TX, VA)
- Western Mortgagee Advisory Council (WMAC)

SUMMARY OF EXPERIENCE

Mr. Hazelton has accumulated more than 25 years of real estate due diligence inspection experience, focusing primarily on environmental issues, building code compliance, construction engineering, and cost estimation services. He founded Dominion Due Diligence Group (D3G) over two (2) decades ago with a focus on affordable housing solutions. Rob has worked in all 50 states for the preservation of multifamily and senior housing under the LIHTC Qualified Allocation Plans (QAP). He has been involved with the HUD Multifamily Accelerated Process (MAP) Guide since inception and is proficient in the FHA-HUD multifamily mortgage insurance markets. The last five (5) years he has worked closely with HUD to define and leverage energy efficiency in the subsidized housing portfolio. Rob frequently provides technical services for HUD's many pilot and demonstration programs, and is currently working with the LIHTC pilot, the Rental Assistance Demonstration (RAD), Moving to Work (MTW), self- managed Energy Performance Contracting (EPC), 24 CFR Part 50 HEROS, and the CNA e-Tool.

Mr. Hazelton has worked with over 250 public housing agencies encompassing greater than 100,000 units of conversion with the HUD Rental Assistance Demonstration (RAD) program; including the large housing authorities of New York City, San Francisco, El Paso, Baltimore, Nashville, Greensboro, Jacksonville, Charlotte, Milwaukee, Birmingham and Richmond. Rob is a common speaker at housing industry conferences throughout the nation, presenting both technical subject matter topics, as well as general housing policy.

DOMINION
DUE DILIGENCE

ROB HAZELTON, LEED AP

Chief Executive Officer

r.hazelton@d3g.com / 804-513-6354

CERTIFICATIONS/REGISTRATIONS/TRAINING - RECEIVED

Mr. Hazelton has received extensive industry-related certifications, registrations and training in the past decade, including:

- USGBC Leadership in Energy and Environmental Design Accredited Professional (LEED AP)
- Member of the Association of Energy Engineers (AEE)
- EPA AAI Accredited "Environmental Professional" (EP)
- Practices of Building Design and Engineering
- HUD Multifamily Accelerated Processing (MAP) Due Diligence Training
- HUD A/E Review and Cost Estimation Training
- HUD Green Building and ARRA Green Retrofit Training
- ICC – HUD Fair Housing Act Accessibility Workshop

TRAINING - GIVEN

Mr. Hazelton has been asked to participate in numerous panel discussions at industry conferences, give training seminars for clients and interpret HUD MAP Guidebook regulations. The following are training events in which Mr. Hazelton has been asked to participate within the last five years:

- HUD MAP Lender Annual Conference (ELA, SWAC, SMAC, MWLC, WMAC)
- HUD Regional Office Technical Training (Detroit and Richmond HUD Offices)
- HUD Rental Assistance Demonstration Training
- MAP Lender Annual Training Events (Love Funding, Wells Fargo, Berkadia, Prudential, Walker & Dunlop)
- Affordable Housing Industry Events (Novogradac, CohnReznick, IRHP, NH&RA, NLHA)
- State Finance Housing Agencies/LIHTC (Alabama, Colorado, Kentucky, Mississippi, Ohio & Virginia)

Training topics have included the following:

- Rental Assistance Demonstration (RAD)
- Updates to the HUD Multifamily Accelerated Process (MAP)
- Section 202 Elderly Housing - Project Rental Assistance Contract (PRAC)
- HUD Section 221(d4) New Construction and Substantial Rehabilitation Processing
- HUD Energy, Green MIP, and Climate Resiliency
- Green Retrofit/Green/Integrated Property Condition Assessments
- Accessibility (FHA, UFAS and ADA Compliance)
- Construction Cost Containment and Innovative Practices in Construction

Appendix I:

Certificate of Liability Insurance

CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY): 8/25/2025

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

IMPORTANT: If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

PRODUCER
Riggs, Counselman, Michaels & Downes, Inc.
4 North Park Drive, Suite 500
Hunt Valley MD 21030

CONTACT NAME: Marion Caldwell
PHONE (A/C, No, Ext): 804-237-5921 **FAX (A/C, No):** 804-237-5901
E-MAIL ADDRESS: mcaldwell@rcmd.com

INSURER(S) AFFORDING COVERAGE	NAIC #
INSURER A : Cincinnati Casualty Company	28665
INSURER B : Cincinnati Indemnity Company	23280
INSURER C : Nautilus Insurance Company	17370
INSURER D : At-Bay Specialty Insurance Company	19607
INSURER E :	
INSURER F :	

INSURED DOMIENV-01
Dominion Environmental Group, Inc dba Dominion Due Diligence Group
201 Wylderose Drive
Midlothian VA 23113-6845

COVERAGES **CERTIFICATE NUMBER:** 438709612 **REVISION NUMBER:**

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS	
C	X **COMMERCIAL GENERAL LIABILITY** CLAIMS-MADE X OCCUR X Proj Agg: $2M GEN'L AGGREGATE LIMIT APPLIES PER: X POLICY X PRO-JECT LOC OTHER:			ECP204455011	9/1/2025	9/1/2026	EACH OCCURRENCE DAMAGE TO RENTED PREMISES (Ea occurrence) MED EXP (Any one person) PERSONAL & ADV INJURY GENERAL AGGREGATE PRODUCTS - COMP/OP AGG Retention - Per Occ	$ 5,000,000 $ 100,000 $ 5,000 $ 5,000,000 $ 5,000,000 $ 5,000,000 $ $10,000
A	**AUTOMOBILE LIABILITY** ANY AUTO OWNED AUTOS ONLY SCHEDULED AUTOS X HIRED AUTOS ONLY X NON-OWNED AUTOS ONLY			EBA0627123	9/1/2025	9/1/2026	COMBINED SINGLE LIMIT (Ea accident) BODILY INJURY (Per person) BODILY INJURY (Per accident) PROPERTY DAMAGE (Per accident)	$ 1,000,000 $ $ $
A	**UMBRELLA LIAB** X OCCUR X **EXCESS LIAB** CLAIMS-MADE DED RETENTION $			ENP0627123	9/1/2025	9/1/2026	EACH OCCURRENCE AGGREGATE	$ 3,000,000 $ 3,000,000
B	**WORKERS COMPENSATION AND EMPLOYERS' LIABILITY** Y / N ANYPROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? **(Mandatory in NH)** If yes, describe under DESCRIPTION OF OPERATIONS below	N / A		EWC 0627125	9/1/2025	9/1/2026	X PER STATUTE OTH-ER E.L. EACH ACCIDENT E.L. DISEASE - EA EMPLOYEE E.L. DISEASE - POLICY LIMIT	$ 1,000,000 $ 1,000,000 $ 1,000,000
D C C	Cyber Risk (Claims-Made) Prof Liab (Claims Made) Contractors Poll (Occ)			AB671246903 ECP204455011 ECP204455011	9/1/2025 9/1/2025 9/1/2025	9/1/2026 9/1/2026 9/1/2026	Each Claim/Agg Each Claim/Agg Each Claim/agg	$1M/$1M $5M/$5M $5M/$5M

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)
Professional Liab Retroactive Date: 09-01-1994 / Professional Liability - Each Claim Retention: $25,000; Contractor's Pollution Liab Retention: $25,000

Professional Liability Retroactive Date: 09-01-1994
Professional Liability Deductible: $25,000 Each Claim

CERTIFICATE HOLDER

Dominion Environmental Group
dba Dominion Due Diligence Group
201 Wylderose Drive
Midlothian VA 23113

CANCELLATION

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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Appendix J:

MD DHCD Checklist

ENVIRONMENTAL DUE DILIGENCE CHECKLIST

Project: Bay Ridge Gardens
Date: September 9, 2025
Investigator: Scott Byerly

Percentage of Living Units Reviewed: 34 %
Percentage of Site Actually Walked and Observed: 100 %

Environmental Risks	Observed	Possible	Not Observed
Asbestos	☐	☒	☐
Asbestos Containing Materials	☐	☒	☐
Lead Paint	☐	☐	☒
Underground Storage Tanks, Lines and Vents	☐	☐	☒
Above Ground Chemical Storage or Products	☐	☐	☒
Visible Soil Discoloration	☐	☐	☒
Buried Waste	☐	☐	☒
PCB Transformers or Light Ballast	☐	☒	☒
Surface Water Discharge	☐	☐	☒
Sensitive Adjacent Properties	☐	☒	☐
Potential Contaminated Adjacent Properties	☐	☒	☐
Air Emissions	☐	☐	☒
Wetland Areas	☐	☐	☒
Sanitary Sewer Failure	☐	☐	☒
On-lot Septic	☐	☐	☒
Private Water Supply	☐	☐	☒
Surface Impoundment	☐	☐	☒
Excessive Noise	☐	☐	☒
Foul Odors	☐	☐	☒
French Drain or Disposal Pit	☐	☐	☒
Unsafe Material Management Practices	☐	☐	☒
Pipe Leaks	☐	☐	☒
Mold	☐	☐	☒
Radon Gas	☐	☒	☐

Geologic Features	Observed	Not Observed
Streams	☐	☒
Lakes	☐	☒
Ponds	☐	☒
Sink Holes	☐	☒
Rock Outcrops	☐	☒
Springs	☐	☒
Steep Slopes	☐	☒
Poor Drainage	☐	☒

Appendix K:

Lead-Based Paint Survey Report

PARTNER
Engineering and Science, Inc.



LEAD-BASED PAINT SURVEY REPORT

BAY RIDGE GARDENS
1 BENS DRIVE
ANNAPOLIS, MARYLAND 21403

November 13, 2020
Partner Project No. 20-291705.4



Prepared for

CAPITOL ONE, N.A.
2 BETHESDA METRO CENTER, 10TH FLOOR
BETHESDA, MARYLAND 20814

PARTNER
Engineering and Science, Inc.

November 13, 2020

Ms. Michelle Sonera
Capital One, N.A.
2 Bethesda Metro Center, 10th Floor
Bethesda, Maryland 20814

Subject: Lead-based Paint Survey Report
Bay Ridge Gardens
1 Bens Drive
Annapolis, Maryland 21403
Partner Project No. 20-291705.4

Dear Ms. Sonera:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Lead-based Paint Survey* of the abovementioned address (the "subject property"). This survey was performed in general conformance with the scope and limitations as detailed in our proposal.

This survey included a site reconnaissance as well as sampling and analysis. An assessment was conducted, conclusions stated, and recommendations outlined, as necessary.

We appreciate the opportunity to provide environmental services to Capital One, N.A. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 765-7243.

Sincerely,

Partner Engineering and Science, Inc.

Jenny Redlin
Relationship Manager

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) was contracted by Capital One, N.A. to conduct a Housing and Urban Development (HUD) lead-based paint (LBP) inspection survey at the type of property located at the Bay Ridge Gardens located in Annapolis Maryland.

All painted and/or finished components were evaluated in 27 of the total 198 units, as well as common areas and exteriors, according to the specifications described in the protocols for LBP inspection in the Housing and Urban Development (HUD) Guidelines Chapter 7 (revised 2012) and all applicable Federal, State, and local regulations. The lead evaluation at this property was performed on October 22 and 23, 2020 and November 6, 2020.

According to the HUD guidelines, a lead reading by XRF of 1.0 mg/cm^2 or above is considered positive for the presence of LBP. The state of Maryland uses an action level of 0.7 mg/cm^2. This action level will be referenced throughout the report.

During the evaluation, XRF testing was performed on at least one location per testing combination, except for interior walls, where four readings were taken (or one on each wall). The XRF testing was conducted using a Gun Type lead paint analyzer. A surface-by-surface visual assessment of the painted and/or finished surfaces was conducted to determine which lead-coated surfaces/components are deteriorated at or above de minimis levels.

Partner has determined that there is no LBP at the property at or above 0.7 mg/cm^2, as defined by the state of Maryland.

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APPENDICES

Appendix A XRF Data Sheets

Appendix B Unit Diagrams/Site Plan

Appendix C Certifications

Appendix D Photographic Documentation

Appendix E XRF Performance Characteristic Sheet

1.0 INTRODUCTION

1.1 Property Description

Address:	1 Bens Drive, Annapolis, Maryland 21403
Nature of Use:	Multi-family Residential
Number of Buildings:	Thirteen (13) total — eleven (11) apartment buildings, one (1) clubhouse/leasing office, and one (1) laundry/maintenance building
Number of Floors:	Three (3) floors (apartment buildings); and one (1) floor (ancillary buildings)
Date of Construction:	1974
Total Number of Units:	198
Number of Units Inspected: (per HUD Table 7.3*)	27
Surveyed By:	Mr. Loren Barrett and Ms. Indira Sofia Mendez
Assessment Date/Time:	October 22 & 23, 2020 and November 6, 2020

**US Department of Housing and Urban Development, Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing, Chapter 7 – Lead-Based Paint Inspection, 2012*

1.2 Purpose and Scope

The purpose of this lead-based paint survey was to sample and analyze suspect lead-based paint (LBP), which could present an exposure risk during potential renovation activities. The suspect materials sampled during the survey were limited to accessible areas within the interior and exterior of the building. No soil sampling and/or dust testing were conducted as part of the LBP inspection outlined herein.

Lead-based paint requirements are applicable to multifamily housing constructed prior to 1978, in accordance with the U.S. Code of Federal Regulations (CFR), 24 CFR Part 35 and the U.S. Department of Housing and Urban Development (HUD) *Multifamily Accelerated Processing (MAP) Guide* dated January 29, 2016 (Effective Date May 28, 2016). For pre-1960 residential properties, a risk assessment to identify LBP hazards shall be conducted in accordance with 24 CFR 35.1320(b). For projects undergoing conversions and/or major rehabilitation, a LBP inspection to identify the presence of LBP shall be conducted in accordance with 24 CFR 35.1320(a).

The number of units to be tested is based upon the HUD's Chapter 7: Lead-Based Paint Inspection, as specified in Table 7.3. Twenty-seven units (27) out of a total of 198 were accessed at the site to evaluate the presence of presumed LBP. This is the prescribed number of units for a multi-family residential complex constructed prior to 1978 with 198 units.

1.3 Methodology

The inspection was performed according to HUD protocols listed in the Guidelines for the *Evaluation and Control of Lead-based Paint Hazards in Housing*, published 2012, Chapter 7, and 40 CFR Part 745 *Lead-Based Paint Poisoning Prevention in Certain Residential Structures*.

A lead-based paint inspection is a surface-by-surface investigation to determine the presence of lead-based paint and the provision of a report explaining the results of the investigation. Lead-based paint may be present in buildings constructed before 1978 or that may have started construction prior to 1978.

The HUD Standard for lead-based paint is 1.0 milligram per square centimeter (mg/cm^2). The state of Maryland uses an action level of 0.7 mg/cm^2. This action level will be referenced throughout the report.

1.4 Renovation, Repair and Painting Rule

Common renovation activities like sanding, cutting, and demolition can create hazardous lead dust and chips by disturbing lead-based paint, which can be harmful to adults and children.

On April 22, 2008, EPA issued a rule requiring the use of lead-safe practices and other actions aimed at preventing lead poisoning (40 Code of Federal Regulations (CFR) 745). Under the rule, beginning on April 22, 2010, contractors performing renovation, repair and painting (RRP) projects that disturb lead-based paint in homes, child care facilities, and schools built before 1978 must be certified and must follow specific work practices to prevent lead contamination. Until that time, HUD and EPA recommend that anyone performing renovation, repair, and painting projects that disturb lead-based paint in pre-1978 homes, child care facilities and schools follow lead-safe work practices.

There are some differences between the EPA RRP Rule and the HUD Lead Safe Housing Rule (LSHR). A major difference is the LSHR requires clearance examinations. All housing receiving federal assistance must still comply with the LSHR. All contractors should follow these three simple procedures:

- Contain the work area.
- Minimize dust.
- Clean up thoroughly.

From December 2008, the rule has required that contractors performing renovation, repair and painting projects that disturb lead-based paint provide to owners and occupants of child care facilities and to parents and guardians of children under age six that attend child care facilities built prior to 1978 the lead hazard information pamphlet Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools.

Starting on April 22, 2010, the rule will affect paid renovators who work in pre-1978 housing and child-occupied facilities, including:

- Renovation contractors
- Maintenance workers in multi-family housing
- Painters and other specialty trades.

Under the rule, child-occupied facilities are defined as residential, public or commercial buildings where children under age six are present on a regular basis. The requirements apply to renovation, repair or painting activities. The rule does not apply to minor maintenance or repair activities where less than six square feet of lead-based paint is disturbed in a room or where less than 20 square feet of lead-based paint is disturbed on the exterior. Window replacement is not minor maintenance or repair.

In the event onsite contractors/maintenance personnel are conducting repair/renovation activities, the onsite contractors must become accredited and at least one worker on staff must take the Lead Renovator course to become an EPA-certified Renovator. While not considered an environmental condition for the subject property, as a prudent measure, the applicable number of maintenance staff should be properly trained on Lead Safe Work Practices.

Of note, when conducting construction or demolition activities which disturb lead in any amount or create an exposure to workers, the employer is required to provide worker protection and conduct exposure assessments. Employers should consult Federal Occupational Safety and Health Administration (OSHA) Regulations at 29 CFR 1926.62, *Lead in Construction* standards for complete requirements prior to renovation or demolition activities.

Notification must be given to all other contractors at the work site prior to the start of activities that may create a lead hazard. Characterization and disposal of lead-containing waste materials (LCWMs) must comply with federal, state and local authorities.

Contractors must maintain current licenses as required by applicable state or local jurisdictions for the removal, transport, disposal of LCWMs, or other regulated lead-based paint activities.

2.0 LEAD INSPECTION

2.1 XRF Testing Protocol

During the course of the property visit, Partner performed a review of accessible areas of the subject building for the presence of suspect LBP. The painted/finished surfaces containing suspect LBP were analyzed and the data was recorded using an XRF.

The XRF uses a Cadmium 109 (^{109}Cd) isotope radioactive source to 'excite' the atomic structure of painted surfaces. Once 'excited', lead (Pb) atoms emit unique x-ray fluorescence radiation energy. The radiation detector within the XRF then translates these x-rays into a quantitative measure of lead concentration. If present, the XRF will determine the amount of lead in paint with a 95% confidence level. The lead concentrations are reported in milligrams per square centimeter (mg/cm^2).

Measurements were taken at locations representative of all painted or varnished surfaces for each different testing combination in the areas inspected. In order to obtain a reading, the XRF analyzer is placed with the face of the instrument flush against the surface to be tested. It is then held in place for the duration of the sample, approximately 4 to 16 source seconds, or until the measurement has reached the acceptable range of accuracy. The sampling time is dependent on the age of the radioactive source inside the XRF.

XRF analysis yields the total lead content of a painted surface, hereby not distinguishing between individual concentrations of painted layers. The XRF was calibrated with a National Institute of Standards and Testing (NIST) calibration surface prior to and post analysis of painted surfaces.

The subject property's orientation is described using HUD's recommended guidelines, assigning the letters A, B, C and D to each side. Side A corresponds to the main entrance of each building or unit. The remaining side identifications are assigned in a clock-wise manner. Each tested component location is identified using the building and/or unit's assigned letter as a reference point.

The HUD Guidelines for lead-containing paint require a lead hazard abatement activity in cases where lead content is above one half of one percent (0.5%) by weight or equal to or in excess of one milligram per square centimeter (1.0 mg/cm^2). This requirement for lead hazard abatement only applies to housing that is administrated or funded by HUD. *Section 1017 of the HUD Guidelines, Residential LBP Reduction Act of 1992,* otherwise known as "Title X", defines a lead-based paint hazard as "any condition that causes exposure to lead that would result in adverse human health effects" resulting from lead-contaminated dust, bare, lead-contaminated soil, and/or lead-contaminated paint that is deteriorated or present on accessible, friction, or impact surfaces. Therefore, under Title X, intact LBP on most walls and ceilings would not be considered a "hazard", although the paint should be maintained, and its condition monitored to ensure that it does not deteriorate and become a hazard.

2.1.1 XRF Testing Inspection Results

Twenty-seven units (27), as well as common areas and exteriors, were accessed at the site to evaluate the presence of presumed LBP. A representative number of interior/exterior painted surfaces/components were tested for LBP at the subject properties. Laboratory analyses, chain-of-custody forms, and XRF data results are provided in Appendix A.

A total of 1,877 XRF readings (including calibration readings) were collected throughout the subject property. No lead-based paint, defined as greater than or equal to 0.7 mg/cm2 by the State of Maryland, was identified at the subject property.

Of note, the playground equipment was not tested for LBP, based on the prefabricated nature of coating on the equipment with no associated paint observed during this inspection.

The complete XRF results are included within the report appendices.

3.0 CONCLUSION

Lead was not detected above applicable regulatory levels. No additional action appears warranted at this time.

The results of this inspection indicate that no lead in amounts greater than or equal to 0.7 mg/cm^2 in paint was found on any building components, using the inspection protocols described in Chapter 7 of the *HUD Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing (2012)*. However, some painted surfaces may contain levels of lead below 1.0 mg/cm^2, which could create lead dust or lead-contaminated soil hazards if the paint is turned into dust by abrasion, scraping, or sanding.

No lead paint hazards were identified within the areas accessed during this assessment. If lead paint hazards are identified in areas not previously accessed, they should be properly remediated in accordance with all applicable local, state and federal regulations.

Of note, this report should be kept by the inspector and should also be kept by the owner and all future owners for the life of the property.

4.0 LIMITATIONS

No warranties expressed or implied, are made by Partner or their contractor or their employees as to the use of any information, apparatus, product or process disclosed in this report. Every reasonable effort has been made to assure correctness. If a Lead Abatement Contractor or other Demolition/Construction Contractor is employed, such contractor should bring any discrepancies found in this report as it relates to current site conditions or newly discovered site conditions to the immediate attention of Partner**.**

State-of-the-art practices have been employed to perform this lead inspection. The scope of this evaluation was severely limited to areas which were considered reasonably accessible (i.e., less than 15 feet from the floor), or within range of a visual inspection through reasonable means. No demolition or product research was performed in attempts to reveal material compositions. The services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles/practices. These services are designed to provide an analytical tool to assist the client. Partner and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to lead contamination regardless of the actions taken by the inspection team or the client.

5.0 SIGNATURES OF PROFESSIONALS

Partner has performed a LBP Inspection at the Bay Ridge Apartments in Annapolis, Maryland, in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:

Partner Engineering and Science, Inc.



Indira S. Mendez
Inspector



Karen Willing, CAC, CLIA
Senior Reviewer

APPENDIX A: XRF DATA SHEETS

APPENDIX A. XRF ANALYZER DATA

Bay Ridge Apartments

1 Bens Drive

Annapolis, Maryland

Reading No	COMPONENT	SUBSTRATE	SIDE	ROOM TYPE	ADDRESS	Results	Lead (mg/cm^2)
1	S. CALIBRATION						1.1
2	CALIBRATE					Positive	1.0
3	CALIBRATE					Positive	1.4
4	CALIBRATE					Positive	0.9
5	STR HAND RAIL	METAL	A	LEASING OFFICE		Negative	0.0
6	WALL	BRICK	A	LEASING OFFICE		Negative	0.0
7	DOOR	METAL	A	LEASING OFFICE		Negative	0.0
8	DOOR CASING	METAL	A	LEASING OFFICE		Negative	0.0
9	WALL	DRYWALL	A	LEASING OFFICE		Negative	0.0
10	WALL	DRYWALL	B	LEASING OFFICE		Negative	0.0
11	WALL	DRYWALL	C	LEASING OFFICE		Negative	0.0
12	WALL	DRYWALL	D	LEASING OFFICE		Negative	0.0
13	BASEBOARD	WOOD	D	LEASING OFFICE		Negative	0.0
14	WNDW SILL	WOOD	D	LEASING OFFICE		Negative	0.0
15	DOOR CASING	METAL	D	LEASING OFFICE		Negative	0.0
16	DOOR	WOOD	D	LEASING OFFICE		Negative	0.0
17	DOOR	METAL	D	LIVING ROOM	1 MARC A	Negative	0.0
18	DOOR CASING	METAL	D	LIVING ROOM	1 MARC A	Negative	0.0
19	WALL	DRYWALL	A	LIVING ROOM	1 MARC A	Negative	0.0
20	WALL	DRYWALL	B	LIVING ROOM	1 MARC A	Negative	0.0
21	WALL	DRYWALL	C	LIVING ROOM	1 MARC A	Negative	0.0
22	WALL	DRYWALL	D	LIVING ROOM	1 MARC A	Negative	0.0
23	BASEBOARD	WOOD	A	LIVING ROOM	1 MARC A	Negative	0.0
24	CLST DOOR CASING	WOOD	C	LIVING ROOM	1 MARC A	Negative	0.0
25	CLST DOOR	WOOD	C	LIVING ROOM	1 MARC A	Negative	0.0
26	CEILING	DRYWALL	A	LIVING ROOM	1 MARC A	Negative	0.0
27	WALL	DRYWALL	A	KITCHEN	1 MARC A	Negative	0.0
28	WALL	DRYWALL	B	KITCHEN	1 MARC A	Negative	0.0
29	WALL	DRYWALL	C	KITCHEN	1 MARC A	Negative	0.0
30	WNDW SILL	WOOD	C	KITCHEN	1 MARC A	Negative	0.0
31	BASEBOARD	WOOD	C	KITCHEN	1 MARC A	Negative	0.0
32	WALL	DRYWALL	D	KITCHEN	1 MARC A	Negative	0.0
33	CEILING	DRYWALL	D	KITCHEN	1 MARC A	Negative	0.0
34	WALL	DRYWALL	A	HALLWAY	1 MARC A	Negative	0.0
35	WALL	DRYWALL	B	HALLWAY	1 MARC A	Negative	0.0
36	WALL	DRYWALL	C	HALLWAY	1 MARC A	Negative	0.0
37	DOOR	WOOD	D	HALLWAY	1 MARC A	Negative	0.0
38	DOOR CASING	WOOD	D	HALLWAY	1 MARC A	Negative	0.0
39	BASEBOARD	WOOD	A	HALLWAY	1 MARC A	Negative	0.0
40	WALL	DRYWALL	A	BEDROOM 1	1 MARC A	Negative	0.0
41	WALL	DRYWALL	B	BEDROOM 1	1 MARC A	Negative	0.0

APPENDIX A. XRF ANALYZER DATA

Bay Ridge Apartments

1 Bens Drive

Annapolis, Maryland

42	WALL	DRYWALL	C	BEDROOM 1	1 MARC A	Negative	0.0
43	WALL	DRYWALL	D	BEDROOM 1	1 MARC A	Negative	0.0
44	CLST DOOR	WOOD	C	BEDROOM 1	1 MARC A	Negative	0.0
45	CLST DOOR	WOOD	C	BEDROOM 1	1 MARC A	Negative	0.0
46	BASEBOARD	WOOD	B	BEDROOM 1	1 MARC A	Negative	0.0
47	WNDW SILL	WOOD	A	BEDROOM 1	1 MARC A	Negative	0.0
48	CEILING	DRYWALL	A	BEDROOM 1	1 MARC A	Negative	0.0
49	DOOR	WOOD	B	BEDROOM 1	1 MARC A	Negative	0.0
50	DOOR CASING	WOOD	B	BEDROOM 1	1 MARC A	Negative	0.0
51	DOOR CASING	WOOD	C	BEDROOM 2	1 MARC A	Negative	0.0
52	DOOR	WOOD	C	BEDROOM 2	1 MARC A	Negative	0.0
53	WALL	DRYWALL	A	BEDROOM 2	1 MARC A	Negative	0.0
54	WALL	DRYWALL	B	BEDROOM 2	1 MARC A	Negative	0.0
55	WALL	DRYWALL	C	BEDROOM 2	1 MARC A	Negative	0.0
56	WALL	DRYWALL	D	BEDROOM 2	1 MARC A	Negative	0.0
57	CLST DOOR	WOOD	D	BEDROOM 2	1 MARC A	Negative	0.0
58	CLST DOOR CASING	WOOD	D	BEDROOM 2	1 MARC A	Negative	0.0
59	WNDW SILL	WOOD	A	BEDROOM 2	1 MARC A	Negative	0.0
60	BASEBOARD	WOOD	D	BEDROOM 2	1 MARC A	Negative	0.0
61	CEILING	DRYWALL	B	BEDROOM 2	1 MARC A	Negative	0.0
62	CEILING	DRYWALL	C	BEDROOM3	1 MARC A	Negative	0.0
63	DOOR	WOOD	C	BEDROOM3	1 MARC A	Negative	0.0
64	DOOR CASING	WOOD	C	BEDROOM3	1 MARC A	Negative	0.0
65	BASEBOARD	WOOD	C	BEDROOM3	1 MARC A	Negative	0.0
66	WNDW SILL	WOOD	A	BEDROOM3	1 MARC A	Negative	0.0
67	WALL	DRYWALL	B	BEDROOM3	1 MARC A	Negative	0.0
68	WALL	DRYWALL	C	BEDROOM3	1 MARC A	Negative	0.0
69	WALL	DRYWALL	D	BEDROOM3	1 MARC A	Negative	0.0
70	WALL	DRYWALL	A	BEDROOM3	1 MARC A	Negative	0.0
71	CLST DOOR	WOOD	C	BEDROOM3	1 MARC A	Negative	0.0
72	CLST DOOR CASING	WOOD	C	BEDROOM3	1 MARC A	Negative	0.0
73	DOOR	WOOD	D	BATHROOM	1 MARC A	Negative	0.0
74	DOOR CASING	WOOD	D	BATHROOM	1 MARC A	Negative	0.0
75	BASEBOARD	WOOD	D	BATHROOM	1 MARC A	Negative	0.0
76	WALL	DRYWALL	A	BATHROOM	1 MARC A	Negative	0.0
77	WALL	DRYWALL	C	BATHROOM	1 MARC A	Negative	0.0
78	WALL	DRYWALL	D	BATHROOM	1 MARC A	Negative	0.0
79	DOOR	METAL	D	BATHROOM	1 MARC A	Negative	0.0
80	DOOR CASING	METAL	D	BATHROOM	1 MARC A	Negative	0.2
81	DOOR	METAL	B	HALLWAY	1 MARC B	Negative	0.1
82	DOOR CASING	METAL	B	HALLWAY	1 MARC B	Negative	0.1
83	DOOR	METAL	D	LIVING ROOM	1 MARC B	Negative	0.0
84	DOOR CASING	METAL	D	LIVING ROOM	1 MARC B	Negative	-0.3

APPENDIX A. XRF ANALYZER DATA

Bay Ridge Apartments

1 Bens Drive

Annapolis, Maryland

85	WALL	DRYWALL	C	LIVING ROOM	1 MARC B	Negative	0.0
86	WALL	DRYWALL	A	LIVING ROOM	1 MARC B	Negative	0.0
87	WALL	DRYWALL	B	LIVING ROOM	1 MARC B	Negative	0.0
88	BASEBOARD	WOOD	A	LIVING ROOM	1 MARC B	Negative	0.0
89	CEILING	DRYWALL	A	LIVING ROOM	1 MARC B	Negative	0.0
90	WNDW SILL	WOOD	C	KITCHEN	1 MARC B	Negative	0.0
91	BASEBOARD	WOOD	C	KITCHEN	1 MARC B	Negative	0.0
92	WALL	DRYWALL	A	KITCHEN	1 MARC B	Negative	0.0
93	WALL	DRYWALL	B	KITCHEN	1 MARC B	Negative	0.0
94	WALL	DRYWALL	C	KITCHEN	1 MARC B	Negative	0.0
95	WALL	DRYWALL	D	KITCHEN	1 MARC B	Negative	0.0
96	CEILING	DRYWALL	B	KITCHEN	1 MARC B	Negative	0.0
97	WALL	DRYWALL	C	HALLWAY	1 MARC B	Negative	0.0
98	WALL	DRYWALL	A	HALLWAY	1 MARC B	Negative	0.0
99	CEILING	DRYWALL	A	HALLWAY	1 MARC B	Negative	0.0
100	CLST DOOR	WOOD	D	HALLWAY	1 MARC B	Negative	0.0
101	CLST DOOR CASING	WOOD	D	HALLWAY	1 MARC B	Negative	0.0
102	CEILING	DRYWALL	D	HALLWAY	1 MARC B	Negative	0.0
103	WALL	DRYWALL	A	BEDROOM 1	1 MARC B	Negative	0.0
104	WALL	DRYWALL	B	BEDROOM 1	1 MARC B	Negative	0.0
105	WNDW SILL	WOOD	A	BEDROOM 1	1 MARC B	Negative	0.0
106	CLST DOOR	WOOD	C	BEDROOM 1	1 MARC B	Negative	0.0
107	CLST DOOR CASING	WOOD	C	BEDROOM 1	1 MARC B	Negative	0.0
108	WALL	DRYWALL	C	BEDROOM 1	1 MARC B	Negative	0.0
109	WALL	DRYWALL	D	BEDROOM 1	1 MARC B	Negative	0.0
110	DOOR CASING	WOOD	C	BEDROOM 1	1 MARC B	Negative	0.0
111	DOOR	WOOD	C	BEDROOM 1	1 MARC B	Negative	0.0
112	BASEBOARD	WOOD	C	BEDROOM 1	1 MARC B	Negative	0.0
113	WALL	DRYWALL	A	BATHROOM	1 MARC B	Negative	0.0
114	WALL	DRYWALL	C	BATHROOM	1 MARC B	Negative	0.0
115	WALL	DRYWALL	D	BATHROOM	1 MARC B	Negative	0.0
116	DOOR	WOOD	D	BATHROOM	1 MARC B	Negative	0.0
117	DOOR CASING	WOOD	D	BATHROOM	1 MARC B	Negative	0.0
118	CEILING	DRYWALL	D	BATHROOM	1 MARC B	Negative	0.0
119	BASEBOARD	WOOD	D	BATHROOM	1 MARC B	Negative	0.0
120	STR STRINGER	METAL	C	STAIR	1 MARC	Negative	0.0
121	STR HAND RAIL	METAL	C	STAIR	1 MARC	Negative	0.0
122	STR NEWAL POST	METAL	C	STAIR	1 MARC	Negative	0.0
123	DOOR	METAL	B	LIVING ROOM	3 MARC D	Negative	0.0
124	DOOR CASING	METAL	B	LIVING ROOM	3 MARC D	Negative	0.0
125	WALL	DRYWALL	A	LIVING ROOM	3 MARC D	Negative	0.0
126	WALL	DRYWALL	B	LIVING ROOM	3 MARC D	Negative	0.0
127	WALL	DRYWALL	C	LIVING ROOM	3 MARC D	Negative	0.0

APPENDIX A. XRF ANALYZER DATA

Bay Ridge Apartments

1 Bens Drive

Annapolis, Maryland

128	WALL	DRYWALL	D	LIVING ROOM	3 MARC D	Negative	0.0
129	WNDW CASING	WOOD	C	LIVING ROOM	3 MARC D	Negative	0.0
130	BASEBOARD	WOOD	A	LIVING ROOM	3 MARC D	Negative	0.0
131	CEILING	DRYWALL	A	LIVING ROOM	3 MARC D	Negative	0.0
132	WALL	DRYWALL	B	KITCHEN	3 MARC D	Negative	0.0
133	WALL	DRYWALL	C	KITCHEN	3 MARC D	Negative	0.0
134	WALL	DRYWALL	D	KITCHEN	3 MARC D	Negative	0.0
135	WNDW SILL	WOOD	C	KITCHEN	3 MARC D	Negative	0.0
136	BASEBOARD	WOOD	D	KITCHEN	3 MARC D	Negative	0.0
137	CLST DOOR	WOOD	D	KITCHEN	3 MARC D	Negative	0.0
138	CLST DOOR CASING	WOOD	D	KITCHEN	3 MARC D	Negative	0.0
139	CEILING	DRYWALL	A	KITCHEN	3 MARC D	Negative	0.0
140	CEILING	DRYWALL	A	HALLWAY	3 MARC D	Negative	0.0
141	WALL	DRYWALL	A	HALLWAY	3 MARC D	Negative	0.0
142	WALL	DRYWALL	B	HALLWAY	3 MARC D	Negative	0.0
143	WALL	DRYWALL	C	HALLWAY	3 MARC D	Negative	0.0
144	WALL	DRYWALL	A	BEDROOM 1	3 MARC D	Negative	0.0
145	WALL	DRYWALL	B	BEDROOM 1	3 MARC D	Negative	0.0
146	WNDW SILL	WOOD	A	BEDROOM 1	3 MARC D	Negative	0.0
147	BASEBOARD	WOOD	A	BEDROOM 1	3 MARC D	Negative	0.0
148	WALL	DRYWALL	C	BEDROOM 1	3 MARC D	Negative	0.0
149	WALL	DRYWALL	D	BEDROOM 1	3 MARC D	Negative	0.0
150	CLST DOOR	WOOD	C	BEDROOM 1	3 MARC D	Negative	0.0
151	CLST DOOR CASING	WOOD	C	BEDROOM 1	3 MARC D	Negative	0.0
152	DOOR	WOOD	C	BEDROOM 1	3 MARC D	Negative	0.0
153	DOOR CASING	WOOD	C	BEDROOM 1	3 MARC D	Negative	0.0
154	WALL	DRYWALL	A	BEDROOM 2	3 MARC D	Negative	0.0
155	WALL	DRYWALL	B	BEDROOM 2	3 MARC D	Negative	0.0
156	WALL	DRYWALL	C	BEDROOM 2	3 MARC D	Negative	0.0
157	WALL	DRYWALL	D	BEDROOM 2	3 MARC D	Negative	0.0
158	CEILING	DRYWALL	D	BEDROOM 2	3 MARC D	Negative	0.0
159	WNDW SILL	WOOD	A	BEDROOM 2	3 MARC D	Negative	0.0
160	CLST DOOR	WOOD	C	BEDROOM 2	3 MARC D	Negative	-0.3
161	CLST DOOR CASING	WOOD	C	BEDROOM 2	3 MARC D	Negative	0.0
162	DOOR	WOOD	C	BEDROOM 2	3 MARC D	Negative	0.0
163	DOOR CASING	WOOD	C	BEDROOM 2	3 MARC D	Negative	0.0
164	WALL	DRYWALL	A	BATHROOM	3 MARC D	Negative	0.0
165	WALL	DRYWALL	B	BATHROOM	3 MARC D	Negative	0.0
166	WALL	DRYWALL	C	BATHROOM	3 MARC D	Negative	0.0
167	CEILING	DRYWALL	A	BATHROOM	3 MARC D	Negative	0.0
168	DOOR	WOOD	B	BATHROOM	3 MARC D	Negative	0.0
169	DOOR CASING	WOOD	B	BATHROOM	3 MARC D	Negative	0.0
170	DOOR	METAL	B	STAIR	3 MARC D	Negative	0.0

171	DOOR CASING	METAL	B	STAIR	3 MARC D	Negative	0.0
172	DOOR	METAL	B	LIVING ROOM	9 MARC B	Negative	0.0
173	DOOR CASING	METAL	B	LIVING ROOM	9 MARC B	Negative	0.0
174	CEILING	DRYWALL	A	LIVING ROOM	9 MARC B	Negative	0.0
175	WALL	DRYWALL	A	LIVING ROOM	9 MARC B	Negative	0.0
176	WALL	DRYWALL	C	LIVING ROOM	9 MARC B	Negative	0.0
177	WALL	DRYWALL	D	LIVING ROOM	9 MARC B	Negative	0.0
178	CLST DOOR	WOOD	D	LIVING ROOM	9 MARC B	Negative	0.0
179	CLST DOOR CASING	WOOD	D	LIVING ROOM	9 MARC B	Negative	0.0
180	BASEBOARD	WOOD	B	LIVING ROOM	9 MARC B	Negative	0.0
181	WALL	DRYWALL	A	KITCHEN	9 MARC B	Negative	0.0
182	WALL	DRYWALL	B	KITCHEN	9 MARC B	Negative	0.0
183	WALL	DRYWALL	C	KITCHEN	9 MARC B	Negative	0.0
184	WALL	DRYWALL	D	KITCHEN	9 MARC B	Negative	0.0
185	CEILING	DRYWALL	D	KITCHEN	9 MARC B	Negative	0.0
186	WNDW SILL	WOOD	C	KITCHEN	9 MARC B	Negative	0.0
187	CEILING	DRYWALL	D	KITCHEN	9 MARC B	Negative	0.0
188	WALL	DRYWALL	A	HALLWAY	9 MARC B	Negative	0.0
189	WALL	DRYWALL	B	HALLWAY	9 MARC B	Negative	0.0
190	CLST DOOR	WOOD	B	HALLWAY	9 MARC B	Negative	0.0
191	CLST DOOR CASING	WOOD	B	HALLWAY	9 MARC B	Negative	0.0
192	WALL	DRYWALL	C	HALLWAY	9 MARC B	Negative	0.0
193	CEILING	DRYWALL	C	HALLWAY	9 MARC B	Negative	0.0
194	DOOR	WOOD	C	BEDROOM 1	9 MARC B	Negative	0.0
195	DOOR CASING	WOOD	A	BEDROOM 1	9 MARC B	Negative	0.0
196	WALL	DRYWALL	A	BEDROOM 1	9 MARC B	Negative	0.0
197	WALL	DRYWALL	B	BEDROOM 1	9 MARC B	Negative	0.0
198	WNDW SILL	WOOD	A	BEDROOM 1	9 MARC B	Negative	0.0
199	WALL	DRYWALL	C	BEDROOM 1	9 MARC B	Negative	0.0
200	WALL	DRYWALL	D	BEDROOM 1	9 MARC B	Negative	0.0
201	CLST DOOR CASING	WOOD	C	BEDROOM 1	9 MARC B	Negative	0.0
202	CLST DOOR	WOOD	C	BEDROOM 1	9 MARC B	Negative	0.0
203	DOOR	WOOD	C	BEDROOM 1	9 MARC B	Negative	0.0
204	DOOR CASING	WOOD	C	BEDROOM 1	9 MARC B	Negative	0.0
205	BASEBOARD	WOOD	B	BEDROOM 1	9 MARC B	Negative	0.0
206	WALL	DRYWALL	A	BATHROOM	9 MARC B	Negative	0.0
207	WALL	DRYWALL	D	BATHROOM	9 MARC B	Negative	0.0
208	DOOR	WOOD	B	BATHROOM	9 MARC B	Negative	0.0
209	DOOR CASING	WOOD	B	BATHROOM	9 MARC B	Negative	0.0
210	DOOR CASING	WOOD	C	BEDROOM 2	9 MARC B	Negative	0.0
211	DOOR	WOOD	C	BEDROOM 2	9 MARC B	Negative	0.0
212	WALL	DRYWALL	A	BEDROOM 2	9 MARC B	Negative	0.0
213	WALL	DRYWALL	B	BEDROOM 2	9 MARC B	Negative	0.0

214	CLST DOOR	WOOD	C	BEDROOM 2	9 MARC B	Negative	0.0
215	CLST DOOR CASING	WOOD	C	BEDROOM 2	9 MARC B	Negative	0.0
216	WALL	DRYWALL	C	BEDROOM 2	9 MARC B	Negative	0.0
217	CEILING	DRYWALL	C	BEDROOM 2	9 MARC B	Negative	0.0
218	BASEBOARD	WOOD	B	BEDROOM 2	9 MARC B	Negative	0.0
219	DOOR	METAL	D	STAIR	9 MARC B	Negative	0.0
220	DOOR CASING	METAL	D	STAIR	9 MARC B	Negative	0.1
221	STR NEWAL POST	METAL	D	STAIR	9 MARC B	Negative	0.0
222	STR STRINGER	METAL	D	STAIR	9 MARC B	Negative	0.0
223	STR STRINGER	METAL	D	STAIR	11 MARC	Negative	0.0
224	STR HAND RAIL	METAL	D	STAIR	11 MARC	Negative	0.0
225	DOOR	METAL	D	STAIR	11 MARC	Negative	0.1
226	DOOR CASING	METAL	D	STAIR	11 MARC	Negative	0.0
227	DOOR	METAL	D	LIVING ROOM	11 MARC E	Negative	0.0
228	DOOR CASING	METAL	D	LIVING ROOM	11 MARC E	Negative	0.0
229	WALL	DRYWALL	A	LIVING ROOM	11 MARC E	Negative	0.0
230	WALL	DRYWALL	B	LIVING ROOM	11 MARC E	Negative	0.0
231	WALL	DRYWALL	C	LIVING ROOM	11 MARC E	Negative	0.0
232	WALL	DRYWALL	D	LIVING ROOM	11 MARC E	Negative	0.0
233	CEILING	DRYWALL	A	LIVING ROOM	11 MARC E	Negative	0.0
234	BASEBOARD	WOOD	A	LIVING ROOM	11 MARC E	Negative	0.0
235	WNDW SILL	WOOD	A	LIVING ROOM	11 MARC E	Negative	0.0
236	WALL	DRYWALL	A	KITCHEN	11 MARC E	Negative	0.0
237	WALL	DRYWALL	B	KITCHEN	11 MARC E	Negative	0.0
238	WALL	DRYWALL	C	KITCHEN	11 MARC E	Negative	0.0
239	WALL	DRYWALL	D	KITCHEN	11 MARC E	Negative	0.0
240	WNDW SILL	WOOD	C	KITCHEN	11 MARC E	Negative	0.0
241	BASEBOARD	WOOD	C	KITCHEN	11 MARC E	Negative	0.0
242	CEILING	DRYWALL	A	KITCHEN	11 MARC E	Negative	0.0
243	WALL	DRYWALL	A	HALLWAY	11 MARC E	Negative	0.0
244	WALL	DRYWALL	B	HALLWAY	11 MARC E	Negative	0.0
245	WALL	DRYWALL	C	HALLWAY	11 MARC E	Negative	0.0
246	WALL	DRYWALL	D	HALLWAY	11 MARC E	Negative	0.0
247	BASEBOARD	WOOD	D	HALLWAY	11 MARC E	Negative	0.0
248	CLST DOOR	WOOD	D	HALLWAY	11 MARC E	Negative	0.0
249	CLST DOOR	WOOD	D	HALLWAY	11 MARC E	Negative	0.0
250	CLST DOOR	WOOD	C	BEDROOM 1	11 MARC E	Negative	0.0
251	CLST DOOR CASING	WOOD	C	BEDROOM 1	11 MARC E	Negative	0.0
252	BASEBOARD	WOOD	A	BEDROOM 1	11 MARC E	Negative	0.0
253	DOOR	WOOD	C	BEDROOM 1	11 MARC E	Negative	0.0
254	DOOR CASING	WOOD	C	BEDROOM 1	11 MARC E	Negative	0.0
255	WNDW SILL	WOOD	A	BEDROOM 1	11 MARC E	Negative	0.0
256	WALL	DRYWALL	A	BEDROOM 1	11 MARC E	Negative	0.0

257	WALL	DRYWALL	B	BEDROOM 1	11 MARC E	Negative	0.0
258	WALL	DRYWALL	C	BEDROOM 1	11 MARC E	Negative	0.0
259	WALL	DRYWALL	D	BEDROOM 1	11 MARC E	Negative	0.0
260	WALL	DRYWALL	A	BEDROOM 2	11 MARC E	Negative	0.0
261	WALL	DRYWALL	B	BEDROOM 2	11 MARC E	Negative	0.0
262	WALL	DRYWALL	C	BEDROOM 2	11 MARC E	Negative	0.0
263	WALL	DRYWALL	D	BEDROOM 2	11 MARC E	Negative	0.0
264	DOOR	WOOD	B	BEDROOM 2	11 MARC E	Negative	0.0
265	DOOR CASING	WOOD	B	BEDROOM 2	11 MARC E	Negative	0.0
266	BASEBOARD	WOOD	C	BEDROOM 2	11 MARC E	Negative	0.0
267	CLST DOOR	WOOD	C	BEDROOM 2	11 MARC E	Negative	0.0
268	WALL	DRYWALL	A	BATHROOM	11 MARC E	Negative	0.0
269	WALL	DRYWALL	B	BATHROOM	11 MARC E	Negative	0.0
270	WALL	DRYWALL	C	BATHROOM	11 MARC E	Negative	0.0
271	DOOR	WOOD	C	BATHROOM	11 MARC E	Negative	0.0
272	DOOR CASING	WOOD	C	BATHROOM	11 MARC E	Negative	0.0
273	BASEBOARD	WOOD	A	BATHROOM	11 MARC E	Negative	0.0
274	CEILING	DRYWALL	A	BATHROOM	11 MARC E	Negative	0.0
275	CALIBRATE					Positive	0.9
276	CALIBRATE					Positive	1.4
277	CALIBRATE					Positive	1.0
278	CALIBRATE					Positive	1.5
279	CALIBRATE					Positive	1.0
280	CALIBRATE					Positive	4.1
281	WALL	DRYWALL	A	LIVING ROOM	17 MARC E	Negative	0.0
282	WALL	DRYWALL	B	LIVING ROOM	17 MARC E	Negative	0.0
283	WALL	DRYWALL	C	LIVING ROOM	17 MARC E	Negative	0.0
284	WALL	DRYWALL	D	LIVING ROOM	17 MARC E	Negative	0.0
285	WNDW SILL	WOOD	C	LIVING ROOM	17 MARC E	Negative	0.0
286	BASEBOARD	WOOD	C	LIVING ROOM	17 MARC E	Negative	0.0
287	CEILING	DRYWALL	B	LIVING ROOM	17 MARC E	Negative	0.0
288	DOOR	METAL	D	LIVING ROOM	17 MARC E	Negative	0.0
289	DOOR CASING	METAL	D	LIVING ROOM	17 MARC E	Negative	0.0
290	CLST DOOR	WOOD	C	LIVING ROOM	17 MARC E	Negative	-0.5
291	CLST DOOR CASING	WOOD	C	LIVING ROOM	17 MARC E	Negative	0.0
292	WALL	DRYWALL	A	KITCHEN	17 MARC E	Negative	0.0
293	WALL	DRYWALL	B	KITCHEN	17 MARC E	Negative	0.0
294	WALL	DRYWALL	C	KITCHEN	17 MARC E	Negative	0.0
295	WALL	DRYWALL	D	KITCHEN	17 MARC E	Negative	0.0
296	CEILING	DRYWALL	D	KITCHEN	17 MARC E	Negative	0.0
297	BASEBOARD	WOOD	B	KITCHEN	17 MARC E	Negative	0.0
298	WNDW SILL	WOOD	C	KITCHEN	17 MARC E	Negative	0.0
299	WALL	DRYWALL	A	HALLWAY	17 MARC E	Negative	0.0

300	WALL	DRYWALL	B	HALLWAY	17 MARC E	Negative	0.0
301	WALL	DRYWALL	C	HALLWAY	17 MARC E	Negative	0.0
302	CEILING	DRYWALL	C	HALLWAY	17 MARC E	Negative	0.0
303	BASEBOARD	WOOD	C	HALLWAY	17 MARC E	Negative	0.0
304	CLST DOOR	WOOD	C	HALLWAY	17 MARC E	Negative	0.0
305	CLST DOOR CASING	WOOD	C	HALLWAY	17 MARC E	Negative	0.0
306	WALL	DRYWALL	A	BEDROOM 1	17 MARC E	Negative	0.0
307	WALL	DRYWALL	B	BEDROOM 1	17 MARC E	Negative	0.0
308	WALL	DRYWALL	C	BEDROOM 1	17 MARC E	Negative	0.0
309	WALL	DRYWALL	D	BEDROOM 1	17 MARC E	Negative	0.0
310	CEILING	DRYWALL	C	BEDROOM 1	17 MARC E	Negative	0.0
311	CLST DOOR	WOOD	C	BEDROOM 1	17 MARC E	Negative	0.0
312	CLST DOOR CASING	WOOD	C	BEDROOM 1	17 MARC E	Negative	0.0
313	WNDW SILL	WOOD	A	BEDROOM 1	17 MARC E	Negative	0.0
314	BASEBOARD	WOOD	A	BEDROOM 1	17 MARC E	Negative	0.0
315	DOOR	WOOD	C	BEDROOM 1	17 MARC E	Negative	0.0
316	DOOR CASING	WOOD	C	BEDROOM 1	17 MARC E	Negative	0.0
317	WALL	DRYWALL	A	BATHROOM	17 MARC E	Negative	0.0
318	WALL	DRYWALL	C	BATHROOM	17 MARC E	Negative	0.0
319	WALL	DRYWALL	D	BATHROOM	17 MARC E	Negative	0.0
320	DOOR	WOOD	D	BATHROOM	17 MARC E	Negative	0.0
321	DOOR CASING	WOOD	D	BATHROOM	17 MARC E	Negative	0.0
322	BASEBOARD	WOOD	A	BATHROOM	17 MARC E	Negative	0.0
323	WALL	DRYWALL	A	BEDROOM 2	17 MARC E	Negative	0.0
324	WALL	DRYWALL	B	BEDROOM 2	17 MARC E	Negative	0.0
325	WALL	DRYWALL	C	BEDROOM 2	17 MARC E	Negative	0.0
326	WALL	DRYWALL	D	BEDROOM 2	17 MARC E	Negative	0.0
327	WNDW SILL	WOOD	A	BEDROOM 2	17 MARC E	Negative	0.0
328	BASEBOARD	WOOD	A	BEDROOM 2	17 MARC E	Negative	0.0
329	CLST DOOR	WOOD	C	BEDROOM 2	17 MARC E	Negative	0.0
330	CLST DOOR CASING	WOOD	C	BEDROOM 2	17 MARC E	Negative	0.0
331	DOOR	WOOD	C	BEDROOM 2	17 MARC E	Negative	0.0
332	DOOR CASING	WOOD	C	BEDROOM 2	17 MARC E	Negative	0.0
333	DOOR CASING	WOOD	B	BEDROOM3	17 MARC E	Negative	0.0
334	DOOR	WOOD	B	BEDROOM3	17 MARC E	Negative	0.0
335	WALL	DRYWALL	A	BEDROOM3	17 MARC E	Negative	0.0
336	WALL	DRYWALL	B	BEDROOM3	17 MARC E	Negative	0.0
337	WALL	DRYWALL	C	BEDROOM3	17 MARC E	Negative	0.0
338	WALL	DRYWALL	D	BEDROOM3	17 MARC E	Negative	0.0
339	CLST DOOR	WOOD	C	BEDROOM3	17 MARC E	Negative	0.0
340	CLST DOOR CASING	WOOD	C	BEDROOM3	17 MARC E	Negative	0.0
341	BASEBOARD	WOOD	C	BEDROOM3	17 MARC E	Negative	0.0
342	WNDW SILL	WOOD	C	BEDROOM3	17 MARC E	Negative	0.0

343	CEILING	DRYWALL	C	BEDROOM3	17 MARC E	Negative	0.0
344	STR NEWAL POST	METAL	C	STAIR	17 MARC E	Negative	0.0
345	STR HAND RAIL	METAL	C	STAIR	17 MARC E	Negative	0.0
346	STR STRINGER	METAL	C	STAIR	17 MARC E	Negative	0.0
347	DOOR	METAL	D	LIVING ROOM	15 BENS E	Negative	0.0
348	DOOR CASING	METAL	D	LIVING ROOM	15 BENS E	Negative	0.0
349	WALL	DRYWALL	A	LIVING ROOM	15 BENS E	Negative	0.0
350	WALL	DRYWALL	B	LIVING ROOM	15 BENS E	Negative	0.0
351	WALL	DRYWALL	C	LIVING ROOM	15 BENS E	Negative	0.0
352	WALL	DRYWALL	D	LIVING ROOM	15 BENS E	Negative	0.0
353	BASEBOARD	WOOD	C	LIVING ROOM	15 BENS E	Negative	0.0
354	WNDW SILL	WOOD	C	LIVING ROOM	15 BENS E	Negative	0.0
355	CEILING	DRYWALL	D	LIVING ROOM	15 BENS E	Negative	0.0
356	WALL	DRYWALL	B	LIVING ROOM	15 BENS E	Negative	0.0
357	WALL	DRYWALL	C	LIVING ROOM	15 BENS E	Negative	0.0
358	WALL	DRYWALL	D	LIVING ROOM	15 BENS E	Negative	0.0
359	WNDW SILL	WOOD	C	LIVING ROOM	15 BENS E	Negative	0.0
360	BASEBOARD	WOOD	C	LIVING ROOM	15 BENS E	Negative	0.0
361	CEILING	DRYWALL	C	LIVING ROOM	15 BENS E	Negative	0.0
362	CLST DOOR	WOOD	B	LIVING ROOM	15 BENS E	Negative	0.0
363	CLST DOOR CASING	WOOD	B	LIVING ROOM	15 BENS E	Negative	0.0
364	WALL	DRYWALL	A	HALLWAY	15 BENS E	Negative	0.0
365	WALL	DRYWALL	B	HALLWAY	15 BENS E	Negative	0.0
366	WALL	DRYWALL	C	HALLWAY	15 BENS E	Negative	0.0
367	WALL	DRYWALL	D	HALLWAY	15 BENS E	Negative	0.0
368	DOOR	WOOD	C	HALLWAY	15 BENS E	Negative	0.0
369	CEILING	DRYWALL	C	HALLWAY	15 BENS E	Negative	0.0
370	WALL	DRYWALL	A	BEDROOM 1	15 BENS E	Negative	0.0
371	WALL	DRYWALL	B	BEDROOM 1	15 BENS E	Negative	0.0
372	WALL	DRYWALL	C	BEDROOM 1	15 BENS E	Negative	0.0
373	WALL	DRYWALL	D	BEDROOM 1	15 BENS E	Negative	0.0
374	CEILING	DRYWALL	D	BEDROOM 1	15 BENS E	Negative	0.0
375	WNDW SILL	WOOD	A	BEDROOM 1	15 BENS E	Negative	0.0
376	BASEBOARD	WOOD	A	BEDROOM 1	15 BENS E	Negative	0.0
377	DOOR	WOOD	B	BEDROOM 1	15 BENS E	Negative	0.0
378	DOOR CASING	WOOD	B	BEDROOM 1	15 BENS E	Negative	0.0
379	WALL	DRYWALL	A	BEDROOM 2	15 BENS E	Negative	0.0
380	WALL	DRYWALL	B	BEDROOM 2	15 BENS E	Negative	0.0
381	WALL	DRYWALL	C	BEDROOM 2	15 BENS E	Negative	0.0
382	WALL	DRYWALL	D	BEDROOM 2	15 BENS E	Negative	0.0
383	CEILING	DRYWALL	B	BEDROOM 2	15 BENS E	Negative	0.0
384	WNDW SILL	WOOD	A	BEDROOM 2	15 BENS E	Negative	0.0
385	BASEBOARD	WOOD	A	BEDROOM 2	15 BENS E	Negative	0.0

386	CLST DOOR	WOOD	C	BEDROOM 2	15 BENS E	Negative	0.0
387	CLST DOOR CASING	WOOD	C	BEDROOM 2	15 BENS E	Negative	0.0
388	DOOR	WOOD	C	BEDROOM 2	15 BENS E	Negative	0.0
389	DOOR CASING	WOOD	C	BEDROOM 2	15 BENS E	Negative	0.0
390	WALL	DRYWALL	A	BEDROOM3	15 BENS E	Negative	0.0
391	WALL	DRYWALL	B	BEDROOM3	15 BENS E	Negative	0.0
392	WALL	DRYWALL	C	BEDROOM3	15 BENS E	Negative	0.0
393	WALL	DRYWALL	D	BEDROOM3	15 BENS E	Negative	0.0
394	CEILING	DRYWALL	D	BEDROOM3	15 BENS E	Negative	0.0
395	WNDW SILL	WOOD	A	BEDROOM3	15 BENS E	Negative	0.0
396	CLST DOOR	WOOD	C	BEDROOM3	15 BENS E	Negative	0.0
397	CLST DOOR CASING	WOOD	C	BEDROOM3	15 BENS E	Negative	0.0
398	DOOR	WOOD	C	BEDROOM3	15 BENS E	Negative	0.0
399	DOOR CASING	WOOD	C	BEDROOM3	15 BENS E	Negative	0.0
400	DOOR CASING	WOOD	B	BATHROOM	15 BENS E	Negative	0.0
401	DOOR	WOOD	B	BATHROOM	15 BENS E	Negative	0.0
402	WALL	DRYWALL	A	BATHROOM	15 BENS E	Negative	0.0
403	WALL	DRYWALL	C	BATHROOM	15 BENS E	Negative	0.0
404	WALL	DRYWALL	D	BATHROOM	15 BENS E	Negative	0.0
405	BASEBOARD	WOOD	C	BATHROOM	15 BENS E	Negative	0.0
406	CEILING	DRYWALL	C	BATHROOM	15 BENS E	Negative	0.0
407	DOOR	METAL	C	STAIR	15 BENS E	Negative	0.0
408	DOOR CASING	METAL	C	STAIR	15 BENS E	Negative	0.1
409	WALL	DRYWALL	A	LAUNDRY ROOM		Negative	0.0
410	WALL	DRYWALL	B	LAUNDRY ROOM		Negative	0.0
411	WNDW SILL	WOOD	A	LAUNDRY ROOM		Negative	0.0
412	WALL	DRYWALL	C	LAUNDRY ROOM		Negative	0.0
413	WALL	DRYWALL	D	LAUNDRY ROOM		Negative	0.0
414	CEILING	DRYWALL	D	LAUNDRY ROOM		Negative	0.0
415	DOOR	METAL	A	LAUNDRY ROOM		Negative	0.0
416	DOOR CASING	METAL	A	LAUNDRY ROOM		Negative	0.0
417	STR HAND RAIL	METAL	A	LAUNDRY ROOM		Negative	0.0
418	WNDW GUARD	METAL	A	LAUNDRY ROOM		Negative	0.0
419	CALIBRATE					Positive	0.8
420	CALIBRATE					Positive	1.3
421	CALIBRATE					Positive	1.1
422	S. CALIBRATION						0.9
423	CALIBRATE					Positive	0.9
424	CALIBRATE					Positive	1.1
425	CALIBRATE					Positive	1.3
426	CALIBRATE					Positive	1.3
427	CALIBRATE					Positive	1.2
428	CALIBRATE					Negative	0.5

429	CALIBRATE					Positive	1.0
430	WALL	DRYWALL	A	LIVING ROOM	20 BENS E	Negative	0.0
431	CEILING	DRYWALL	A	LIVING ROOM	20 BENS E	Negative	0.0
432	DOOR	METAL	D	LIVING ROOM	20 BENS E	Negative	0.0
433	DOOR CASING	METAL	D	LIVING ROOM	20 BENS E	Negative	0.0
434	WALL	DRYWALL	B	LIVING ROOM	20 BENS E	Negative	0.0
435	WALL	DRYWALL	C	LIVING ROOM	20 BENS E	Negative	0.0
436	WALL	DRYWALL	D	LIVING ROOM	20 BENS E	Negative	0.0
437	WNDW SILL	WOOD	C	LIVING ROOM	20 BENS E	Negative	0.0
438	BASEBOARD	WOOD	A	LIVING ROOM	20 BENS E	Negative	0.0
439	CLST DOOR	WOOD	B	LIVING ROOM	20 BENS E	Negative	0.0
440	CLST DOOR CASING	WOOD	B	LIVING ROOM	20 BENS E	Negative	0.0
441	WALL	DRYWALL	A	KITCHEN	20 BENS E	Negative	0.0
442	WALL	DRYWALL	B	KITCHEN	20 BENS E	Negative	0.0
443	WALL	DRYWALL	C	KITCHEN	20 BENS E	Negative	0.0
444	WALL	DRYWALL	D	KITCHEN	20 BENS E	Negative	0.0
445	WNDW SILL	DRYWALL	C	KITCHEN	20 BENS E	Negative	0.0
446	BASEBOARD	WOOD	B	KITCHEN	20 BENS E	Negative	0.0
447	CEILING	DRYWALL	B	KITCHEN	20 BENS E	Negative	0.0
448	WALL	DRYWALL	A	HALLWAY	20 BENS E	Negative	0.0
449	WALL	DRYWALL	B	HALLWAY	20 BENS E	Negative	0.0
450	WALL	DRYWALL	C	HALLWAY	20 BENS E	Negative	0.0
451	WALL	DRYWALL	C	HALLWAY	20 BENS E	Negative	0.0
452	BASEBOARD	WOOD	C	HALLWAY	20 BENS E	Negative	0.0
453	CLST DOOR	WOOD	C	HALLWAY	20 BENS E	Negative	0.0
454	CLST DOOR CASING	WOOD	C	HALLWAY	20 BENS E	Negative	0.0
455	WALL	DRYWALL	A	BATHROOM	20 BENS E	Negative	0.0
456	WALL	DRYWALL	C	BATHROOM	20 BENS E	Negative	0.0
457	WALL	DRYWALL	D	BATHROOM	20 BENS E	Negative	0.0
458	DOOR	WOOD	D	BATHROOM	20 BENS E	Negative	0.0
459	DOOR CASING	WOOD	D	BATHROOM	20 BENS E	Negative	0.0
460	BASEBOARD	WOOD	A	BATHROOM	20 BENS E	Negative	0.0
461	CEILING	DRYWALL	A	BATHROOM	20 BENS E	Negative	0.0
462	WALL	DRYWALL	A	BEDROOM 1	20 BENS E	Negative	0.0
463	WALL	DRYWALL	B	BEDROOM 1	20 BENS E	Negative	0.0
464	WALL	DRYWALL	C	BEDROOM 1	20 BENS E	Negative	0.0
465	WALL	DRYWALL	D	BEDROOM 1	20 BENS E	Negative	0.0
466	CEILING	DRYWALL	C	BEDROOM 1	20 BENS E	Negative	0.0
467	CLST DOOR	WOOD	C	BEDROOM 1	20 BENS E	Negative	0.0
468	CLST DOOR CASING	WOOD	C	BEDROOM 1	20 BENS E	Negative	0.0
469	BASEBOARD	WOOD	D	BEDROOM 1	20 BENS E	Negative	0.0
470	WNDW SILL	WOOD	D	BEDROOM 1	20 BENS E	Negative	0.0
471	DOOR	WOOD	B	BEDROOM 1	20 BENS E	Negative	0.0

472	DOOR CASING	WOOD	B	BEDROOM 1	20 BENS E	Negative	0.0
473	DOOR CASING	WOOD	C	BEDROOM 2	20 BENS E	Negative	0.0
474	DOOR	WOOD	C	BEDROOM 2	20 BENS E	Negative	0.0
475	BASEBOARD	WOOD	B	BEDROOM 2	20 BENS E	Negative	0.0
476	CLST DOOR	WOOD	C	BEDROOM 2	20 BENS E	Negative	0.0
477	CLST DOOR CASING	WOOD	C	BEDROOM 2	20 BENS E	Negative	0.0
478	WNDW SILL	WOOD	A	BEDROOM 2	20 BENS E	Negative	0.0
479	WALL	DRYWALL	A	BEDROOM 2	20 BENS E	Negative	0.0
480	WALL	DRYWALL	B	BEDROOM 2	20 BENS E	Negative	0.0
481	WALL	DRYWALL	C	BEDROOM 2	20 BENS E	Negative	0.0
482	WALL	DRYWALL	D	BEDROOM 2	20 BENS E	Negative	0.0
483	WALL	DRYWALL	A	BEDROOM 2	20 BENS E	Negative	0.0
484	CEILING	DRYWALL	A	BEDROOM 2	20 BENS E	Negative	0.0
485	DOOR	WOOD	C	BEDROOM3	20 BENS E	Negative	0.0
486	DOOR CASING	WOOD	C	BEDROOM3	20 BENS E	Negative	0.0
487	BASEBOARD	WOOD	A	BEDROOM3	20 BENS E	Negative	0.0
488	WNDW SILL	WOOD	A	BEDROOM3	20 BENS E	Negative	0.0
489	CLST DOOR	WOOD	C	BEDROOM3	20 BENS E	Negative	0.0
490	CLST DOOR CASING	WOOD	C	BEDROOM3	20 BENS E	Negative	0.0
491	WALL	DRYWALL	A	BEDROOM3	20 BENS E	Negative	0.0
492	WALL	DRYWALL	B	BEDROOM3	20 BENS E	Negative	0.0
493	WALL	DRYWALL	C	BEDROOM3	20 BENS E	Negative	0.0
494	WALL	DRYWALL	D	BEDROOM3	20 BENS E	Negative	0.0
495	CEILING	DRYWALL	A	BEDROOM3	20 BENS E	Negative	0.0
496	DOOR	METAL	B	BEDROOM3	20 BENS E	Negative	0.0
497	DOOR CASING	METAL	B	BEDROOM3	20 BENS E	Negative	0.1
498	DOOR CASING	METAL	B	STAIR	27 BENS F	Negative	0.0
499	DOOR	METAL	B	STAIR	27 BENS F	Negative	0.1
500	DOOR	METAL	B	LIVING ROOM	27 BENS F	Negative	0.0
501	DOOR CASING	METAL	B	LIVING ROOM	27 BENS F	Negative	0.0
502	WALL	DRYWALL	A	LIVING ROOM	27 BENS F	Negative	0.0
503	WALL	DRYWALL	B	LIVING ROOM	27 BENS F	Negative	0.0
504	WALL	DRYWALL	C	LIVING ROOM	27 BENS F	Negative	0.0
505	WALL	DRYWALL	D	LIVING ROOM	27 BENS F	Negative	0.0
506	WNDW SILL	WOOD	C	LIVING ROOM	27 BENS F	Negative	0.0
507	BASEBOARD	WOOD	A	LIVING ROOM	27 BENS F	Negative	0.0
508	CEILING	DRYWALL	A	LIVING ROOM	27 BENS F	Negative	0.0
509	WALL	DRYWALL	A	KITCHEN	27 BENS F	Negative	0.0
510	WALL	DRYWALL	B	KITCHEN	27 BENS F	Negative	0.0
511	WALL	DRYWALL	C	KITCHEN	27 BENS F	Negative	0.0
512	WALL	DRYWALL	D	KITCHEN	27 BENS F	Negative	0.0
513	CEILING	DRYWALL	B	KITCHEN	27 BENS F	Negative	0.0
514	WNDW SILL	WOOD	C	KITCHEN	27 BENS F	Negative	0.0

515	BASEBOARD	WOOD	D	KITCHEN	27 BENS F	Negative	0.0
516	WALL	DRYWALL	A	HALLWAY	27 BENS F	Negative	0.0
517	WALL	DRYWALL	C	HALLWAY	27 BENS F	Negative	0.0
518	WALL	DRYWALL	D	HALLWAY	27 BENS F	Negative	0.0
519	CLST DOOR	WOOD	B	HALLWAY	27 BENS F	Negative	0.0
520	CLST DOOR CASING	WOOD	B	HALLWAY	27 BENS F	Negative	0.0
521	CEILING	DRYWALL	A	HALLWAY	27 BENS F	Negative	0.0
522	BASEBOARD	WOOD	C	HALLWAY	27 BENS F	Negative	0.0
523	BASEBOARD	WOOD	A	BEDROOM 1	27 BENS F	Negative	0.0
524	WNDW SILL	WOOD	A	BEDROOM 1	27 BENS F	Negative	0.0
525	WALL	DRYWALL	A	BEDROOM 1	27 BENS F	Negative	0.0
526	WALL	DRYWALL	B	BEDROOM 1	27 BENS F	Negative	0.0
527	WALL	DRYWALL	C	BEDROOM 1	27 BENS F	Negative	0.0
528	WALL	DRYWALL	D	BEDROOM 1	27 BENS F	Negative	0.0
529	CEILING	DRYWALL	D	BEDROOM 1	27 BENS F	Negative	0.0
530	CLST DOOR	WOOD	C	BEDROOM 1	27 BENS F	Negative	0.0
531	CLST DOOR CASING	WOOD	C	BEDROOM 1	27 BENS F	Negative	0.0
532	DOOR	WOOD	C	BEDROOM 1	27 BENS F	Negative	0.0
533	DOOR CASING	WOOD	C	BEDROOM 1	27 BENS F	Negative	0.0
534	WALL	DRYWALL	A	BEDROOM 2	27 BENS F	Negative	0.0
535	WALL	DRYWALL	B	BEDROOM 2	27 BENS F	Negative	0.0
536	WALL	DRYWALL	C	BEDROOM 2	27 BENS F	Negative	0.0
537	WALL	DRYWALL	D	BEDROOM 2	27 BENS F	Negative	0.0
538	CEILING	DRYWALL	A	BEDROOM 2	27 BENS F	Negative	0.0
539	WNDW SILL	WOOD	A	BEDROOM 2	27 BENS F	Negative	0.0
540	BASEBOARD	WOOD	C	BEDROOM 2	27 BENS F	Negative	0.0
541	CLST DOOR	WOOD	C	BEDROOM 2	27 BENS F	Negative	0.0
542	CLST DOOR CASING	WOOD	C	BEDROOM 2	27 BENS F	Negative	0.0
543	DOOR	WOOD	C	BEDROOM 2	27 BENS F	Negative	0.0
544	DOOR CASING	WOOD	C	BEDROOM 2	27 BENS F	Negative	0.0
545	DOOR	WOOD	B	BATHROOM	27 BENS F	Negative	0.0
546	DOOR CASING	WOOD	B	BATHROOM	27 BENS F	Negative	0.0
547	WALL	DRYWALL	A	BATHROOM	27 BENS F	Negative	0.0
548	WALL	DRYWALL	C	BATHROOM	27 BENS F	Negative	0.0
549	WALL	DRYWALL	D	BATHROOM	27 BENS F	Negative	0.0
550	CEILING	DRYWALL	A	BATHROOM	27 BENS F	Negative	0.0
551	BASEBOARD	WOOD	A	BATHROOM	27 BENS F	Negative	0.0
552	DOOR	METAL	D	LIVING ROOM	19 BENS C	Negative	0.0
553	DOOR CASING	METAL	D	LIVING ROOM	19 BENS C	Negative	0.0
554	WNDW SILL	WOOD	C	LIVING ROOM	19 BENS C	Negative	0.0
555	BASEBOARD	WOOD	D	LIVING ROOM	19 BENS C	Negative	0.0
556	CLST DOOR	WOOD	B	LIVING ROOM	19 BENS C	Negative	0.0
557	CLST DOOR CASING	WOOD	B	LIVING ROOM	19 BENS C	Negative	0.0

558	WALL	DRYWALL	A	LIVING ROOM	19 BENS C	Negative	0.0
559	WALL	DRYWALL	B	LIVING ROOM	19 BENS C	Negative	0.0
560	WALL	DRYWALL	C	LIVING ROOM	19 BENS C	Negative	0.0
561	WALL	DRYWALL	D	LIVING ROOM	19 BENS C	Negative	0.0
562	CEILING	DRYWALL	D	LIVING ROOM	19 BENS C	Negative	0.0
563	WALL	DRYWALL	A	KITCHEN	19 BENS C	Negative	0.0
564	WALL	DRYWALL	B	KITCHEN	19 BENS C	Negative	0.0
565	WALL	DRYWALL	C	KITCHEN	19 BENS C	Negative	0.0
566	WALL	DRYWALL	D	KITCHEN	19 BENS C	Negative	0.0
567	CEILING	DRYWALL	D	KITCHEN	19 BENS C	Negative	0.0
568	WALL	DRYWALL	A	HALLWAY	19 BENS C	Negative	0.0
569	WALL	DRYWALL	C	HALLWAY	19 BENS C	Negative	0.0
570	WALL	DRYWALL	D	HALLWAY	19 BENS C	Negative	0.0
571	CLST DOOR	WOOD	C	HALLWAY	19 BENS C	Negative	0.0
572	CLST DOOR CASING	WOOD	C	HALLWAY	19 BENS C	Negative	0.0
573	CEILING	DRYWALL	C	HALLWAY	19 BENS C	Negative	0.0
574	CEILING	DRYWALL	B	BEDROOM 1	19 BENS C	Negative	0.0
575	WALL	DRYWALL	A	BEDROOM 1	19 BENS C	Negative	0.0
576	WALL	DRYWALL	B	BEDROOM 1	19 BENS C	Negative	0.0
577	WALL	DRYWALL	C	BEDROOM 1	19 BENS C	Negative	0.0
578	WALL	DRYWALL	D	BEDROOM 1	19 BENS C	Negative	0.0
579	CLST DOOR	WOOD	C	BEDROOM 1	19 BENS C	Negative	0.0
580	CLST DOOR CASING	WOOD	C	BEDROOM 1	19 BENS C	Negative	0.0
581	DOOR	WOOD	B	BEDROOM 1	19 BENS C	Negative	0.0
582	DOOR CASING	WOOD	B	BEDROOM 1	19 BENS C	Negative	0.0
583	DOOR CASING	WOOD	C	BEDROOM 2	19 BENS C	Negative	0.0
584	DOOR	WOOD	C	BEDROOM 2	19 BENS C	Negative	0.0
585	WNDW SILL	WOOD	A	BEDROOM 2	19 BENS C	Negative	0.0
586	BASEBOARD	WOOD	A	BEDROOM 2	19 BENS C	Negative	0.0
587	WALL	DRYWALL	A	BEDROOM 2	19 BENS C	Negative	0.0
588	WALL	DRYWALL	B	BEDROOM 2	19 BENS C	Negative	0.0
589	WALL	DRYWALL	C	BEDROOM 2	19 BENS C	Negative	0.0
590	WALL	DRYWALL	D	BEDROOM 2	19 BENS C	Negative	0.0
591	CEILING	DRYWALL	A	BEDROOM 2	19 BENS C	Negative	0.0
592	CLST DOOR	WOOD	C	BEDROOM 2	19 BENS C	Negative	0.0
593	CLST DOOR CASING	WOOD	C	BEDROOM 2	19 BENS C	Negative	0.0
594	BASEBOARD	WOOD	A	BEDROOM 2	19 BENS C	Negative	0.0
595	BASEBOARD	WOOD	D	BEDROOM3	19 BENS C	Negative	0.0
596	WNDW SILL	WOOD	A	BEDROOM3	19 BENS C	Negative	0.0
597	DOOR	WOOD	C	BEDROOM3	19 BENS C	Negative	0.0
598	DOOR CASING	WOOD	C	BEDROOM3	19 BENS C	Negative	0.0
599	CLST DOOR	WOOD	C	BEDROOM3	19 BENS C	Negative	0.0
600	CLST DOOR CASING	WOOD	C	BEDROOM3	19 BENS C	Negative	0.0

APPENDIX A. XRF ANALYZER DATA

Bay Ridge Apartments

1 Bens Drive

Annapolis, Maryland

601	CEILING	DRYWALL	A	BEDROOM3	19 BENS C	Negative	0.0
602	WALL	DRYWALL	A	BEDROOM3	19 BENS C	Negative	0.0
603	WALL	DRYWALL	B	BEDROOM3	19 BENS C	Negative	0.0
604	WALL	DRYWALL	D	BEDROOM3	19 BENS C	Negative	0.0
605	WALL	DRYWALL	A	BATHROOM	19 BENS C	Negative	0.0
606	WALL	DRYWALL	C	BATHROOM	19 BENS C	Negative	0.0
607	WALL	DRYWALL	D	BATHROOM	19 BENS C	Negative	0.0
608	CEILING	DRYWALL	A	BATHROOM	19 BENS C	Negative	0.0
609	DOOR	WOOD	B	BATHROOM	19 BENS C	Negative	0.0
610	DOOR CASING	WOOD	B	BATHROOM	19 BENS C	Negative	0.0
611	DOOR CASING	METAL	B	STAIR	19 BENS C	Negative	0.0
612	DOOR	METAL	B	STAIR	19 BENS C	Negative	0.0
613	DOOR	METAL	B	LIVING ROOM	19 BENS B	Negative	0.0
614	DOOR CASING	METAL	B	LIVING ROOM	19 BENS B	Negative	0.0
615	WALL	DRYWALL	A	LIVING ROOM	19 BENS B	Negative	0.0
616	WALL	DRYWALL	B	LIVING ROOM	19 BENS B	Negative	0.0
617	WALL	DRYWALL	C	LIVING ROOM	19 BENS B	Negative	0.0
618	WALL	DRYWALL	D	LIVING ROOM	19 BENS B	Negative	0.0
619	BASEBOARD	WOOD	D	LIVING ROOM	19 BENS B	Negative	0.0
620	CEILING	DRYWALL	D	LIVING ROOM	19 BENS B	Negative	0.0
621	WALL	DRYWALL	A	LIVING ROOM	19 BENS B	Negative	0.0
622	WALL	DRYWALL	B	LIVING ROOM	19 BENS B	Negative	0.0
623	WALL	DRYWALL	C	LIVING ROOM	19 BENS B	Negative	0.0
624	WALL	DRYWALL	D	LIVING ROOM	19 BENS B	Negative	0.0
625	CEILING	DRYWALL	B	LIVING ROOM	19 BENS B	Negative	0.0
626	WNDW SILL	WOOD	C	LIVING ROOM	19 BENS B	Negative	0.0
627	BASEBOARD	WOOD	C	LIVING ROOM	19 BENS B	Negative	0.0
628	WALL	DRYWALL	A	HALLWAY	19 BENS B	Negative	0.0
629	WALL	DRYWALL	B	HALLWAY	19 BENS B	Negative	0.0
630	CLST DOOR	WOOD	C	HALLWAY	19 BENS B	Negative	0.0
631	CLST DOOR CASING	WOOD	C	HALLWAY	19 BENS B	Negative	0.0
632	BASEBOARD	WOOD	C	HALLWAY	19 BENS B	Negative	0.0
633	CEILING	DRYWALL	C	HALLWAY	19 BENS B	Negative	0.0
634	DOOR	WOOD	B	BATHROOM	19 BENS B	Negative	0.0
635	DOOR CASING	WOOD	B	BATHROOM	19 BENS B	Negative	0.0
636	WALL	DRYWALL	A	BATHROOM	19 BENS B	Negative	0.0
637	WALL	DRYWALL	B	BATHROOM	19 BENS B	Negative	0.0
638	WALL	DRYWALL	C	BATHROOM	19 BENS B	Negative	0.0
639	CEILING	DRYWALL	C	BATHROOM	19 BENS B	Negative	0.0
640	WALL	DRYWALL	A	BEDROOM 2	19 BENS B	Negative	0.0
641	WALL	DRYWALL	B	BEDROOM 2	19 BENS B	Negative	0.0
642	WALL	DRYWALL	C	BEDROOM 2	19 BENS B	Negative	0.0
643	WALL	DRYWALL	D	BEDROOM 2	19 BENS B	Negative	0.0

644	CEILING	DRYWALL	B	BEDROOM 2	19 BENS B	Negative	0.0
645	CLST DOOR	WOOD	C	BEDROOM 2	19 BENS B	Negative	0.0
646	CLST DOOR CASING	WOOD	C	BEDROOM 2	19 BENS B	Negative	0.0
647	BASEBOARD	WOOD	B	BEDROOM 2	19 BENS B	Negative	0.0
648	DOOR	WOOD	C	BEDROOM 2	19 BENS B	Negative	0.0
649	DOOR	WOOD	C	BEDROOM 2	19 BENS B	Negative	0.0
650	DOOR	WOOD	C	BEDROOM 1	19 BENS B	Negative	0.0
651	DOOR CASING	WOOD	C	BEDROOM 1	19 BENS B	Negative	0.0
652	WALL	DRYWALL	A	BEDROOM 1	19 BENS B	Negative	0.0
653	WALL	DRYWALL	B	BEDROOM 1	19 BENS B	Negative	0.0
654	WALL	DRYWALL	C	BEDROOM 1	19 BENS B	Negative	0.0
655	WALL	DRYWALL	D	BEDROOM 1	19 BENS B	Negative	0.0
656	CLST DOOR	DRYWALL	D	BEDROOM 1	19 BENS B	Negative	0.0
657	CLST DOOR CASING	WOOD	D	BEDROOM 1	19 BENS B	Negative	0.0
658	BASEBOARD	WOOD	C	BEDROOM 1	19 BENS B	Negative	0.0
659	WNDW SILL	WOOD	A	BEDROOM 1	19 BENS B	Negative	0.0
660	CEILING	DRYWALL	A	BEDROOM 1	19 BENS B	Negative	0.0
661	DOOR	METAL	B	LIVING ROOM	2 BENS B	Negative	0.0
662	DOOR CASING	METAL	B	LIVING ROOM	2 BENS B	Negative	-0.1
663	WALL	DRYWALL	B	LIVING ROOM	2 BENS B	Negative	0.0
664	WALL	DRYWALL	D	LIVING ROOM	2 BENS B	Negative	0.0
665	WALL	DRYWALL	C	LIVING ROOM	2 BENS B	Negative	0.0
666	CLST DOOR	DRYWALL	D	LIVING ROOM	2 BENS B	Negative	0.0
667	CLST DOOR CASING	WOOD	D	LIVING ROOM	2 BENS B	Negative	0.0
668	CEILING	DRYWALL	A	LIVING ROOM	2 BENS B	Negative	0.0
669	CEILING	DRYWALL	B	KITCHEN	2 BENS B	Negative	0.0
670	WALL	DRYWALL	A	KITCHEN	2 BENS B	Negative	0.0
671	WALL	DRYWALL	B	KITCHEN	2 BENS B	Negative	0.0
672	WALL	DRYWALL	C	KITCHEN	2 BENS B	Negative	0.0
673	WALL	DRYWALL	D	KITCHEN	2 BENS B	Negative	0.0
674	WNDW SILL	WOOD	C	KITCHEN	2 BENS B	Negative	0.0
675	WALL	DRYWALL	C	HALLWAY	2 BENS B	Negative	0.0
676	WALL	DRYWALL	D	HALLWAY	2 BENS B	Negative	0.0
677	CEILING	DRYWALL	D	HALLWAY	2 BENS B	Negative	0.0
678	CLST DOOR	WOOD	B	HALLWAY	2 BENS B	Negative	0.0
679	CLST DOOR CASING	WOOD	B	HALLWAY	2 BENS B	Negative	0.0
680	DOOR	WOOD	D	BEDROOM 1	2 BENS B	Negative	0.0
681	DOOR CASING	WOOD	D	BEDROOM 1	2 BENS B	Negative	0.0
682	WALL	DRYWALL	A	BEDROOM 1	2 BENS B	Negative	0.0
683	WALL	DRYWALL	D	BEDROOM 1	2 BENS B	Negative	0.0
684	WALL	DRYWALL	A	BEDROOM 1	2 BENS B	Negative	0.0
685	WNDW SILL	WOOD	A	BEDROOM 1	2 BENS B	Negative	0.0
686	WALL	DRYWALL	B	BEDROOM 1	2 BENS B	Negative	0.0

687	CLST DOOR	WOOD	C	BEDROOM 1	2 BENS B	Negative	0.0
688	CLST DOOR CASING	WOOD	C	BEDROOM 1	2 BENS B	Negative	0.0
689	WALL	DRYWALL	A	BEDROOM 2	2 BENS B	Negative	0.0
690	WALL	DRYWALL	B	BEDROOM 2	2 BENS B	Negative	0.0
691	WALL	DRYWALL	C	BEDROOM 2	2 BENS B	Negative	0.0
692	WALL	DRYWALL	D	BEDROOM 2	2 BENS B	Negative	0.0
693	CLST DOOR	WOOD	C	BEDROOM 2	2 BENS B	Negative	0.0
694	CLST DOOR CASING	WOOD	C	BEDROOM 2	2 BENS B	Negative	0.0
695	DOOR	WOOD	C	BEDROOM 2	2 BENS B	Negative	0.0
696	DOOR CASING	WOOD	C	BEDROOM 2	2 BENS B	Negative	0.0
697	BASEBOARD	WOOD	C	BEDROOM 2	2 BENS B	Negative	0.0
698	CEILING	DRYWALL	C	BEDROOM 2	2 BENS B	Negative	0.0
699	WALL	DRYWALL	C	BATHROOM	2 BENS B	Negative	0.0
700	WALL	DRYWALL	B	BATHROOM	2 BENS B	Negative	0.0
701	WALL	DRYWALL	C	BATHROOM	2 BENS B	Negative	0.0
702	DOOR	WOOD	B	BATHROOM	2 BENS B	Negative	0.0
703	DOOR CASING	WOOD	B	BATHROOM	2 BENS B	Negative	0.0
704	CEILING	DRYWALL	B	BATHROOM	2 BENS B	Negative	0.0
705	CALIBRATE					Positive	0.9
706	CALIBRATE					Positive	1.1
707	CALIBRATE					Positive	1.0
708	DOOR	METAL	B	LIVING ROOM	13 MARC B	Negative	0.0
709	DOOR CASING	METAL	B	LIVING ROOM	13 MARC B	Negative	0.0
710	WALL	DRYWALL	A	LIVING ROOM	13 MARC B	Negative	0.0
711	WALL	DRYWALL	B	LIVING ROOM	13 MARC B	Negative	0.0
712	WALL	DRYWALL	C	LIVING ROOM	13 MARC B	Negative	0.0
713	WALL	DRYWALL	D	LIVING ROOM	13 MARC B	Negative	0.0
714	CEILING	DRYWALL	D	LIVING ROOM	13 MARC B	Negative	0.0
715	BASEBOARD	WOOD	B	LIVING ROOM	13 MARC B	Negative	0.0
716	CLST DOOR	WOOD	C	LIVING ROOM	13 MARC B	Negative	0.0
717	CLST DOOR CASING	WOOD	C	LIVING ROOM	13 MARC B	Negative	0.0
718	WALL	DRYWALL	A	KITCHEN	13 MARC B	Negative	0.0
719	WALL	DRYWALL	B	KITCHEN	13 MARC B	Negative	0.0
720	WALL	DRYWALL	C	KITCHEN	13 MARC B	Negative	0.0
721	WALL	DRYWALL	D	KITCHEN	13 MARC B	Negative	0.0
722	CEILING	DRYWALL	D	KITCHEN	13 MARC B	Negative	0.0
723	WNDW SILL	WOOD	C	KITCHEN	13 MARC B	Negative	0.0
724	BASEBOARD	WOOD	C	KITCHEN	13 MARC B	Negative	0.0
725	BASEBOARD	WOOD	A	HALLWAY	13 MARC B	Negative	0.0
726	CEILING	DRYWALL	A	HALLWAY	13 MARC B	Negative	0.0
727	WALL	DRYWALL	A	HALLWAY	13 MARC B	Negative	0.0
728	WALL	DRYWALL	C	HALLWAY	13 MARC B	Negative	0.0
729	WALL	DRYWALL	D	HALLWAY	13 MARC B	Negative	0.0

730	CLST DOOR	WOOD	C	HALLWAY	13 MARC B	Negative	-0.4
731	CLST DOOR CASING	WOOD	C	HALLWAY	13 MARC B	Negative	0.0
732	BASEBOARD	WOOD	C	HALLWAY	13 MARC B	Negative	0.0
733	DOOR	WOOD	B	BATHROOM	13 MARC B	Negative	0.0
734	DOOR CASING	WOOD	B	BATHROOM	13 MARC B	Negative	0.0
735	WALL	DRYWALL	A	BATHROOM	13 MARC B	Negative	0.0
736	WALL	DRYWALL	B	BATHROOM	13 MARC B	Negative	0.0
737	WALL	DRYWALL	C	BATHROOM	13 MARC B	Negative	0.0
738	DOOR	WOOD	C	BEDROOM 1	13 MARC B	Negative	0.0
739	DOOR CASING	WOOD	C	BEDROOM 1	13 MARC B	Negative	0.0
740	BASEBOARD	WOOD	A	BEDROOM 1	13 MARC B	Negative	0.0
741	WNDW SILL	WOOD	A	BEDROOM 1	13 MARC B	Negative	0.0
742	CLST DOOR	WOOD	C	BEDROOM 1	13 MARC B	Negative	0.0
743	CLST DOOR	WOOD	C	BEDROOM 1	13 MARC B	Negative	0.0
744	WALL	DRYWALL	A	BEDROOM 1	13 MARC B	Negative	0.0
745	WALL	DRYWALL	B	BEDROOM 1	13 MARC B	Negative	0.0
746	WALL	DRYWALL	C	BEDROOM 1	13 MARC B	Negative	0.0
747	WALL	DRYWALL	D	BEDROOM 1	13 MARC B	Negative	0.0
748	CEILING	DRYWALL	D	BEDROOM 1	13 MARC B	Negative	0.0
749	WALL	DRYWALL	A	BEDROOM 2	13 MARC B	Negative	0.0
750	WALL	DRYWALL	B	BEDROOM 2	13 MARC B	Negative	0.0
751	WALL	DRYWALL	C	BEDROOM 2	13 MARC B	Negative	0.0
752	WALL	DRYWALL	D	BEDROOM 2	13 MARC B	Negative	0.0
753	CEILING	DRYWALL	B	BEDROOM 2	13 MARC B	Negative	0.0
754	WNDW SILL	WOOD	A	BEDROOM 2	13 MARC B	Negative	0.0
755	BASEBOARD	WOOD	A	BEDROOM 2	13 MARC B	Negative	0.0
756	CLST DOOR	WOOD	C	BEDROOM 2	13 MARC B	Negative	0.0
757	CLST DOOR CASING	WOOD	C	BEDROOM 2	13 MARC B	Negative	0.0
758	DOOR	WOOD	C	BEDROOM 2	13 MARC B	Negative	0.0
759	DOOR CASING	WOOD	C	BEDROOM 2	13 MARC B	Negative	0.0
760	DOOR CASING	WOOD	D	BEDROOM3	13 MARC B	Negative	0.0
761	DOOR	WOOD	D	BEDROOM3	13 MARC B	Negative	0.0
762	BASEBOARD	WOOD	D	BEDROOM3	13 MARC B	Negative	0.0
763	CLST DOOR	WOOD	D	BEDROOM3	13 MARC B	Negative	0.0
764	CLST DOOR CASING	WOOD	D	BEDROOM3	13 MARC B	Negative	0.0
765	WNDW SILL	WOOD	A	BEDROOM3	13 MARC B	Negative	0.0
766	BASEBOARD	WOOD	A	BEDROOM3	13 MARC B	Negative	0.0
767	WALL	DRYWALL	A	BEDROOM3	13 MARC B	Negative	0.0
768	WALL	DRYWALL	B	BEDROOM3	13 MARC B	Negative	0.0
769	WALL	DRYWALL	B	BEDROOM3	13 MARC B	Negative	0.0
770	WALL	DRYWALL	C	BEDROOM3	13 MARC B	Negative	0.0
771	WALL	DRYWALL	D	BEDROOM3	13 MARC B	Negative	0.0
772	DOOR	METAL	B	STAIR	13 MARC B	Negative	0.0

773	DOOR CASING	METAL	B	STAIR	13 MARC B	Negative	-0.1
774	DOOR CASING	METAL	B	STAIR	2 BENS E	Negative	0.0
775	DOOR	METAL	B	STAIR	2 BENS E	Negative	0.0
776	DOOR	METAL	B	LIVING ROOM	2 BENS E	Negative	0.0
777	DOOR CASING	METAL	B	LIVING ROOM	2 BENS E	Negative	0.0
778	WALL	DRYWALL	A	LIVING ROOM	2 BENS E	Negative	0.0
779	WALL	DRYWALL	B	LIVING ROOM	2 BENS E	Negative	0.0
780	WALL	DRYWALL	C	LIVING ROOM	2 BENS E	Negative	0.0
781	WALL	DRYWALL	D	LIVING ROOM	2 BENS E	Negative	0.0
782	CEILING	DRYWALL	A	LIVING ROOM	2 BENS E	Negative	0.0
783	WNDW SILL	WOOD	C	LIVING ROOM	2 BENS E	Negative	0.0
784	BASEBOARD	WOOD	C	LIVING ROOM	2 BENS E	Negative	0.0
785	WALL	DRYWALL	A	KITCHEN	2 BENS E	Negative	0.0
786	WALL	DRYWALL	B	KITCHEN	2 BENS E	Negative	0.0
787	WALL	DRYWALL	C	KITCHEN	2 BENS E	Negative	0.0
788	WALL	DRYWALL	D	KITCHEN	2 BENS E	Negative	0.0
789	CEILING	DRYWALL	C	KITCHEN	2 BENS E	Negative	0.0
790	WNDW SILL	WOOD	C	KITCHEN	2 BENS E	Negative	0.0
791	BASEBOARD	WOOD	C	KITCHEN	2 BENS E	Negative	0.0
792	WALL	DRYWALL	A	HALLWAY	2 BENS E	Negative	0.0
793	WALL	DRYWALL	C	HALLWAY	2 BENS E	Negative	0.0
794	WALL	DRYWALL	B	HALLWAY	2 BENS E	Negative	0.0
795	CEILING	DRYWALL	B	HALLWAY	2 BENS E	Negative	0.0
796	CLST DOOR	WOOD	C	HALLWAY	2 BENS E	Negative	0.0
797	CLST DOOR CASING	WOOD	C	HALLWAY	2 BENS E	Negative	0.0
798	BASEBOARD	WOOD	C	HALLWAY	2 BENS E	Negative	0.0
799	CEILING	DRYWALL	C	HALLWAY	2 BENS E	Negative	0.0
800	WALL	DRYWALL	A	BATHROOM	2 BENS E	Negative	0.0
801	WALL	DRYWALL	C	BATHROOM	2 BENS E	Negative	0.0
802	WALL	DRYWALL	D	BATHROOM	2 BENS E	Negative	0.0
803	DOOR	WOOD	D	BATHROOM	2 BENS E	Negative	0.0
804	DOOR CASING	WOOD	D	BATHROOM	2 BENS E	Negative	0.0
805	DOOR CASING	WOOD	B	BEDROOM 1	2 BENS E	Negative	0.0
806	DOOR	WOOD	B	BEDROOM 1	2 BENS E	Negative	0.0
807	BASEBOARD	WOOD	B	BEDROOM 1	2 BENS E	Negative	0.0
808	WNDW SILL	WOOD	A	BEDROOM 1	2 BENS E	Negative	0.0
809	BASEBOARD	WOOD	C	BEDROOM 1	2 BENS E	Negative	0.0
810	WALL	DRYWALL	A	BEDROOM 1	2 BENS E	Negative	0.0
811	WALL	DRYWALL	B	BEDROOM 1	2 BENS E	Negative	0.0
812	WALL	DRYWALL	C	BEDROOM 1	2 BENS E	Negative	0.0
813	WALL	DRYWALL	D	BEDROOM 1	2 BENS E	Negative	0.0
814	CEILING	DRYWALL	A	BEDROOM 1	2 BENS E	Negative	0.0
815	WALL	DRYWALL	A	BEDROOM 2	2 BENS E	Negative	0.0

816	WALL	DRYWALL	B	BEDROOM 2	2 BENS E	Negative	0.0
817	WALL	DRYWALL	C	BEDROOM 2	2 BENS E	Negative	0.0
818	WALL	DRYWALL	D	BEDROOM 2	2 BENS E	Negative	0.0
819	CEILING	DRYWALL	D	BEDROOM 2	2 BENS E	Negative	0.0
820	WNDW SILL	WOOD	A	BEDROOM 2	2 BENS E	Negative	0.0
821	BASEBOARD	WOOD	A	BEDROOM 2	2 BENS E	Negative	0.0
822	CLST DOOR	WOOD	C	BEDROOM 2	2 BENS E	Negative	0.0
823	DOOR	WOOD	C	BEDROOM 2	2 BENS E	Negative	0.0
824	DOOR CASING	WOOD	C	BEDROOM 2	2 BENS E	Negative	0.0
825	DOOR	WOOD	C	BEDROOM3	2 BENS E	Negative	0.0
826	DOOR CASING	WOOD	C	BEDROOM3	2 BENS E	Negative	0.0
827	WALL	DRYWALL	C	BEDROOM3	2 BENS E	Negative	0.0
828	WALL	DRYWALL	D	BEDROOM3	2 BENS E	Negative	0.0
829	CEILING	DRYWALL	D	BEDROOM3	2 BENS E	Negative	0.0
830	WNDW SILL	WOOD	D	BEDROOM3	2 BENS E	Negative	0.0
831	BASEBOARD	WOOD	B	BEDROOM3	2 BENS E	Negative	0.0
832	DOOR	WOOD	C	BEDROOM3	2 BENS E	Negative	0.0
833	DOOR CASING	WOOD	C	BEDROOM3	2 BENS E	Negative	0.0
834	DOOR	METAL	D	LIVING ROOM	10 BENS A	Negative	0.0
835	DOOR CASING	METAL	D	LIVING ROOM	10 BENS A	Negative	0.3
836	WALL	DRYWALL	A	LIVING ROOM	10 BENS A	Negative	0.0
837	WALL	DRYWALL	B	LIVING ROOM	10 BENS A	Negative	0.0
838	WALL	DRYWALL	C	LIVING ROOM	10 BENS A	Negative	0.0
839	WALL	DRYWALL	D	LIVING ROOM	10 BENS A	Negative	0.0
840	BASEBOARD	WOOD	A	LIVING ROOM	10 BENS A	Negative	0.0
841	CLST DOOR	WOOD	B	LIVING ROOM	10 BENS A	Negative	0.0
842	CLST DOOR CASING	WOOD	B	LIVING ROOM	10 BENS A	Negative	0.0
843	CEILING	DRYWALL	A	LIVING ROOM	10 BENS A	Negative	0.0
844	WALL	DRYWALL	A	HALLWAY	10 BENS A	Negative	0.0
845	WALL	DRYWALL	B	HALLWAY	10 BENS A	Negative	0.0
846	WALL	DRYWALL	C	HALLWAY	10 BENS A	Negative	0.0
847	CEILING	DRYWALL	C	HALLWAY	10 BENS A	Negative	0.0
848	CLST DOOR	DRYWALL	C	HALLWAY	10 BENS A	Negative	0.0
849	CLST DOOR CASING	WOOD	C	HALLWAY	10 BENS A	Negative	0.0
850	WALL	DRYWALL	A	KITCHEN	10 BENS A	Negative	0.0
851	WALL	DRYWALL	B	KITCHEN	10 BENS A	Negative	0.0
852	WALL	DRYWALL	C	KITCHEN	10 BENS A	Negative	0.0
853	WALL	DRYWALL	D	KITCHEN	10 BENS A	Negative	0.0
854	CEILING	DRYWALL	C	KITCHEN	10 BENS A	Negative	0.0
855	WALL	DRYWALL	A	BEDROOM	10 BENS A	Negative	0.0
856	WALL	DRYWALL	B	BEDROOM	10 BENS A	Negative	0.0
857	WALL	DRYWALL	C	BEDROOM	10 BENS A	Negative	0.0
858	WALL	DRYWALL	D	BEDROOM	10 BENS A	Negative	0.0

859	DOOR	WOOD	C	BEDROOM	10 BENS A	Negative	0.0
860	DOOR CASING	WOOD	C	BEDROOM	10 BENS A	Negative	0.0
861	BASEBOARD	WOOD	C	BEDROOM	10 BENS A	Negative	0.0
862	WALL	DRYWALL	A	BEDROOM 2	10 BENS A	Negative	0.0
863	CEILING	DRYWALL	A	BEDROOM	10 BENS A	Negative	0.0
864	CEILING	DRYWALL	A	BEDROOM 2	10 BENS A	Negative	0.0
865	WALL	DRYWALL	B	BEDROOM 2	10 BENS A	Negative	0.0
866	WALL	DRYWALL	D	BEDROOM 2	10 BENS A	Negative	0.0
867	CLST DOOR	WOOD	C	BEDROOM 2	10 BENS A	Negative	0.0
868	CLST DOOR CASING	WOOD	C	BEDROOM 2	10 BENS A	Negative	0.0
869	DOOR	WOOD	C	BEDROOM 2	10 BENS A	Negative	0.0
870	DOOR CASING	WOOD	C	BEDROOM 2	10 BENS A	Negative	0.0
871	BASEBOARD	WOOD	B	BEDROOM 2	10 BENS A	Negative	0.0
872	DOOR	WOOD	D	BEDROOM 2	10 BENS A	Negative	0.0
873	WALL	DRYWALL	D	BATHROOM	10 BENS A	Negative	0.0
874	WALL	DRYWALL	C	BATHROOM	10 BENS A	Negative	0.0
875	WALL	DRYWALL	A	BATHROOM	10 BENS A	Negative	0.0
876	CEILING	DRYWALL	A	BATHROOM	10 BENS A	Negative	0.0
877	DOOR	METAL	D	STAIR	10 BENS A	Negative	0.0
878	DOOR CASING	METAL	D	STAIR	10 BENS A	Negative	0.0
879	STR HAND RAIL	METAL	C	STAIR	10 BENS A	Negative	0.0
880	STR STRINGER	METAL	C	STAIR	10 BENS A	Negative	0.0
881	STR NEWAL POST	METAL	C	STAIR	10 BENS A	Negative	0.0
882	DOOR	METAL	B	LIVING ROOM	24 BENS D	Negative	0.0
883	DOOR CASING	METAL	B	LIVING ROOM	24 BENS D	Negative	-0.2
884	WALL	DRYWALL	A	LIVING ROOM	24 BENS D	Negative	0.0
885	WALL	DRYWALL	B	LIVING ROOM	24 BENS D	Negative	0.0
886	WALL	DRYWALL	D	LIVING ROOM	24 BENS D	Negative	0.0
887	WALL	DRYWALL	D	LIVING ROOM	24 BENS D	Negative	0.0
888	WNDW SILL	WOOD	C	LIVING ROOM	24 BENS D	Negative	0.0
889	WNDW SILL	WOOD	C	KITCHEN	24 BENS D	Negative	0.0
890	WALL	DRYWALL	A	KITCHEN	24 BENS D	Negative	0.0
891	WALL	DRYWALL	B	KITCHEN	24 BENS D	Negative	0.0
892	WALL	DRYWALL	C	KITCHEN	24 BENS D	Negative	0.0
893	WALL	DRYWALL	D	KITCHEN	24 BENS D	Negative	0.0
894	CEILING	DRYWALL	D	KITCHEN	24 BENS D	Negative	0.0
895	WALL	DRYWALL	A	EXTERIOR	24 BENS D	Negative	0.0
896	WALL	DRYWALL	B	EXTERIOR	24 BENS D	Negative	0.0
897	WALL	DRYWALL	C	HALLWAY	24 BENS D	Negative	0.0
898	CEILING	DRYWALL	C	HALLWAY	24 BENS D	Negative	0.0
899	CLST DOOR	WOOD	C	HALLWAY	24 BENS D	Negative	0.0
900	CLST DOOR CASING	WOOD	C	HALLWAY	24 BENS D	Negative	0.0
901	DOOR	WOOD	B	BATHROOM	24 BENS D	Negative	0.0

902	DOOR CASING	WOOD	B	BATHROOM	24 BENS D	Negative	0.0
903	BASEBOARD	WOOD	B	BATHROOM	24 BENS D	Negative	0.0
904	CEILING	DRYWALL	B	BATHROOM	24 BENS D	Negative	0.0
905	WALL	DRYWALL	B	BATHROOM	24 BENS D	Negative	0.0
906	WALL	DRYWALL	C	BATHROOM	24 BENS D	Negative	0.0
907	BASEBOARD	WOOD	C	BATHROOM	24 BENS D	Negative	0.0
908	WALL	DRYWALL	A	BEDROOM 1	24 BENS D	Negative	0.0
909	WALL	DRYWALL	B	BEDROOM 1	24 BENS D	Negative	0.0
910	WALL	DRYWALL	C	BEDROOM 1	24 BENS D	Negative	0.0
911	WALL	DRYWALL	D	BEDROOM 1	24 BENS D	Negative	0.0
912	CEILING	DRYWALL	D	BEDROOM 1	24 BENS D	Negative	0.0
913	BASEBOARD	WOOD	A	BEDROOM 1	24 BENS D	Negative	0.0
914	CLST DOOR	WOOD	C	BEDROOM 1	24 BENS D	Negative	0.0
915	CLST DOOR CASING	WOOD	C	BEDROOM 1	24 BENS D	Negative	0.0
916	WALL	DRYWALL	A	BEDROOM 2	24 BENS D	Negative	0.0
917	WALL	DRYWALL	B	BEDROOM 2	24 BENS D	Negative	0.0
918	WALL	DRYWALL	C	BEDROOM 2	24 BENS D	Negative	0.0
919	WALL	DRYWALL	D	BEDROOM 2	24 BENS D	Negative	0.0
920	CLST DOOR	WOOD	D	BEDROOM 2	24 BENS D	Negative	0.0
921	CLST DOOR CASING	WOOD	D	BEDROOM 2	24 BENS D	Negative	0.0
922	BASEBOARD	WOOD	D	BEDROOM 2	24 BENS D	Negative	0.0
923	WNDW SILL	WOOD	D	BEDROOM 2	24 BENS D	Negative	0.0
924	DOOR	WOOD	C	BEDROOM 2	24 BENS D	Negative	0.0
925	DOOR CASING	WOOD	C	BEDROOM 2	24 BENS D	Negative	0.0
926	CALIBRATE					Positive	1.0
927	CALIBRATE					Positive	0.9
928	CALIBRATE					Positive	1.0
929	CALIBRATE					N/A	0.8
930	CALIBRATE					N/A	1.1
931	CALIBRATE					N/A	1.2
932	DOOR	WOOD	B	BEDROOM 1	6 BENS F	Negative	0.0
933	DOOR JAMB	WOOD	B	BEDROOM 1	6 BENS F	Negative	0.0
934	DOOR CASING	WOOD	B	BEDROOM 1	6 BENS F	Negative	0.0
935	WINDOW SASH	METAL	C	BEDROOM 1	6 BENS F	Negative	0.0
936	WINDOW CASING	WOOD	C	BEDROOM 1	6 BENS F	Negative	0.0
937	WINDOW SILL	WOOD	C	BEDROOM 1	6 BENS F	Negative	0.0
938	WALL	DRYWALL	A	BEDROOM 1	6 BENS F	Negative	0.0
939	WALL	DRYWALL	B	BEDROOM 1	6 BENS F	Negative	0.0
940	WALL	DRYWALL	C	BEDROOM 1	6 BENS F	Negative	0.0
941	WALL	DRYWALL	D	BEDROOM 1	6 BENS F	Negative	0.0
942	BASEBOARD	WOOD	A	BEDROOM 1	6 BENS F	Negative	0.0
943	CEILING	DRYWALL	B	BEDROOM 1	6 BENS F	Negative	0.0
944	CLST DOOR	WOOD	B	BEDROOM 1	6 BENS F	Negative	0.0

945	CLST DOOR	WOOD	B	BEDROOM 1	6 BENS F	Negative	0.0
946	CLST DOOR CASING	WOOD	B	BEDROOM 1	6 BENS F	Negative	0.0
947	FLOOR	WOOD	D	BEDROOM 1	6 BENS F	Negative	0.0
948	DOOR	WOOD	B	BEDROOM 2	6 BENS F	Negative	0.0
949	DOOR JAMB	WOOD	B	BEDROOM 2	6 BENS F	Negative	0.0
950	DOOR CASING	WOOD	B	BEDROOM 2	6 BENS F	Negative	0.0
951	WINDOW SASH	METAL	D	BEDROOM 2	6 BENS F	Negative	0.0
952	WINDOW CASING	WOOD	D	BEDROOM 2	6 BENS F	Negative	0.0
953	WINDOW SILL	WOOD	D	BEDROOM 2	6 BENS F	Negative	0.0
954	WALL	DRYWALL	A	BEDROOM 2	6 BENS F	Negative	0.0
955	WALL	DRYWALL	B	BEDROOM 2	6 BENS F	Negative	0.0
956	WALL	DRYWALL	C	BEDROOM 2	6 BENS F	Negative	0.0
957	WALL	DRYWALL	D	BEDROOM 2	6 BENS F	Negative	0.0
958	BASEBOARD	WOOD	A	BEDROOM 2	6 BENS F	Negative	0.0
959	CEILING	DRYWALL	A	BEDROOM 2	6 BENS F	Negative	0.0
960	CLST DOOR	WOOD	A	BEDROOM 2	6 BENS F	Negative	0.0
961	CLST DOOR JAMB	WOOD	A	BEDROOM 2	6 BENS F	Negative	0.0
962	CLST DOOR CASING	WOOD	A	BEDROOM 2	6 BENS F	Negative	0.0
963	FLOOR	WOOD	A	BEDROOM 2	6 BENS F	Negative	0.0
964	DOOR	WOOD	A	BATHROOM	6 BENS F	Negative	0.0
965	DOOR JAMB	WOOD	A	BATHROOM	6 BENS F	Negative	0.0
966	DOOR CASING	WOOD	A	BATHROOM	6 BENS F	Negative	0.0
967	WALL	DRYWALL	A	BATHROOM	6 BENS F	Negative	0.0
968	WALL	DRYWALL	B	BATHROOM	6 BENS F	Negative	0.0
969	WALL	DRYWALL	C	BATHROOM	6 BENS F	Negative	0.0
970	WALL	DRYWALL	D	BATHROOM	6 BENS F	Negative	0.0
971	CEILING	DRYWALL	A	BATHROOM	6 BENS F	Negative	0.0
972	BASEBOARD	WOOD	D	BATHROOM	6 BENS F	Negative	0.0
973	DOOR	WOOD	C	HALLWAY	6 BENS F	Negative	0.0
974	DOOR JAMB	WOOD	C	HALLWAY	6 BENS F	Negative	0.0
975	DOOR CASING	WOOD	C	HALLWAY	6 BENS F	Negative	0.0
976	WALL	DRYWALL	A	HALLWAY	6 BENS F	Negative	0.0
977	WALL	DRYWALL	B	HALLWAY	6 BENS F	Negative	0.0
978	WALL	DRYWALL	C	HALLWAY	6 BENS F	Negative	0.0
979	WALL	DRYWALL	D	HALLWAY	6 BENS F	Negative	0.0
980	BASEBOARD	WOOD	D	HALLWAY	6 BENS F	Negative	0.0
981	CEILING	DRYWALL	A	HALLWAY	6 BENS F	Negative	0.0
982	FLOOR	WOOD	A	HALLWAY	6 BENS F	Negative	0.0
983	CLST DOOR	METAL	A	HALLWAY	6 BENS F	Negative	0.0
984	CLST DOOR JAMB	WOOD	A	HALLWAY	6 BENS F	Negative	0.0
985	CLST DOOR CASING	WOOD	A	HALLWAY	6 BENS F	Negative	0.0
986	DOOR	WOOD	A	LIVING ROOM	6 BENS F	Negative	0.0
987	DOOR JAMB	WOOD	A	LIVING ROOM	6 BENS F	Negative	0.0

988	DOOR CASING	WOOD	A	LIVING ROOM	6 BENS F	Negative	0.0
989	WALL	DRYWALL	A	LIVING ROOM	6 BENS F	Negative	0.0
990	WALL	DRYWALL	B	LIVING ROOM	6 BENS F	Negative	0.0
991	WALL	DRYWALL	C	LIVING ROOM	6 BENS F	Negative	0.0
992	WALL	DRYWALL	D	LIVING ROOM	6 BENS F	Negative	0.0
993	BASEBOARD	WOOD	A	LIVING ROOM	6 BENS F	Negative	0.0
994	CEILING	DRYWALL	A	LIVING ROOM	6 BENS F	Negative	0.0
995	FLOOR	WOOD	A	LIVING ROOM	6 BENS F	Negative	0.0
996	WINDOW SASH	METAL	B	LIVING ROOM	6 BENS F	Negative	0.0
997	WINDOW CASING	WOOD	B	LIVING ROOM	6 BENS F	Negative	0.0
998	WINDOW SILL	WOOD	B	LIVING ROOM	6 BENS F	Negative	0.0
999	CLST DOOR	WOOD	C	LIVING ROOM	6 BENS F	Negative	0.0
1000	CLST DOOR JAMB	WOOD	C	LIVING ROOM	6 BENS F	Negative	0.0
1001	CLST DOOR CASING	WOOD	C	LIVING ROOM	6 BENS F	Negative	0.0
1002	WALL	DRYWALL	A	KITCHEN	6 BENS F	Negative	0.0
1003	WALL	DRYWALL	B	KITCHEN	6 BENS F	Negative	0.0
1004	WALL	DRYWALL	C	KITCHEN	6 BENS F	Negative	0.0
1005	WALL	DRYWALL	D	KITCHEN	6 BENS F	Negative	0.0
1006	BASEBOARD	WOOD	C	KITCHEN	6 BENS F	Negative	0.0
1007	CEILING	DRYWALL	A	KITCHEN	6 BENS F	Negative	0.0
1008	CABINET	WOOD	A	KITCHEN	6 BENS F	Negative	0.0
1009	WINDOW SASH	METAL	B	KITCHEN	6 BENS F	Negative	0.0
1010	WINDOW CASING	WOOD	B	KITCHEN	6 BENS F	Negative	0.0
1011	WINDOW SILL	WOOD	B	KITCHEN	6 BENS F	Negative	0.0
1012	DOOR	WOOD	B	BEDROOM 1	29 BENS F	Negative	0.0
1013	DOOR JAMB	WOOD	B	BEDROOM 1	29 BENS F	Negative	0.0
1014	DOOR CASING	WOOD	B	BEDROOM 1	29 BENS F	Negative	0.0
1015	WINDOW SASH	METAL	C	BEDROOM 1	29 BENS F	Negative	0.0
1016	WINDOW CASING	WOOD	C	BEDROOM 1	29 BENS F	Negative	0.0
1017	WINDOW SILL	WOOD	C	BEDROOM 1	29 BENS F	Negative	0.0
1018	WALL	DRYWALL	A	BEDROOM 1	29 BENS F	Negative	0.0
1019	WALL	DRYWALL	B	BEDROOM 1	29 BENS F	Negative	0.0
1020	WALL	DRYWALL	C	BEDROOM 1	29 BENS F	Negative	0.0
1021	WALL	DRYWALL	D	BEDROOM 1	29 BENS F	Negative	0.0
1022	BASEBOARD	WOOD	A	BEDROOM 1	29 BENS F	Negative	0.0
1023	CEILING	DRYWALL	B	BEDROOM 1	29 BENS F	Negative	0.0
1024	CLST DOOR	WOOD	B	BEDROOM 1	29 BENS F	Negative	0.0
1025	CLST DOOR JAMB	WOOD	B	BEDROOM 1	29 BENS F	Negative	0.0
1026	CLST DOOR CASING	WOOD	B	BEDROOM 1	29 BENS F	Negative	0.0
1027	FLOOR	WOOD	D	BEDROOM 1	29 BENS F	Negative	0.0
1028	DOOR	WOOD	B	BEDROOM 2	29 BENS F	Negative	0.0
1029	DOOR JAMB	WOOD	B	BEDROOM 2	29 BENS F	Negative	0.0
1030	DOOR CASING	WOOD	B	BEDROOM 2	29 BENS F	Negative	0.0

1031	WINDOW SASH	METAL	D	BEDROOM 2	29 BENS F	Negative	0.0
1032	WINDOW CASING	WOOD	D	BEDROOM 2	29 BENS F	Negative	0.0
1033	WINDOW SILL	WOOD	D	BEDROOM 2	29 BENS F	Negative	0.0
1034	WALL	DRYWALL	A	BEDROOM 2	29 BENS F	Negative	0.0
1035	WALL	DRYWALL	B	BEDROOM 2	29 BENS F	Negative	0.0
1036	WALL	DRYWALL	C	BEDROOM 2	29 BENS F	Negative	0.0
1037	WALL	DRYWALL	D	BEDROOM 2	29 BENS F	Negative	0.0
1038	BASEBOARD	WOOD	A	BEDROOM 2	29 BENS F	Negative	0.0
1039	CEILING	DRYWALL	A	BEDROOM 2	29 BENS F	Negative	0.0
1040	CLST DOOR	WOOD	A	BEDROOM 2	29 BENS F	Negative	0.0
1041	CLST DOOR JAMB	WOOD	A	BEDROOM 2	29 BENS F	Negative	0.0
1042	CLST DOOR CASING	WOOD	A	BEDROOM 2	29 BENS F	Negative	0.0
1043	FLOOR	WOOD	A	BEDROOM 2	29 BENS F	Negative	0.0
1044	DOOR	WOOD	A	BATHROOM	29 BENS F	Negative	0.0
1045	DOOR JAMB	WOOD	A	BATHROOM	29 BENS F	Negative	0.0
1046	DOOR CASING	WOOD	A	BATHROOM	29 BENS F	Negative	0.0
1047	WALL	DRYWALL	A	BATHROOM	29 BENS F	Negative	0.0
1048	WALL	DRYWALL	B	BATHROOM	29 BENS F	Negative	0.0
1049	WALL	DRYWALL	C	BATHROOM	29 BENS F	Negative	0.0
1050	WALL	DRYWALL	D	BATHROOM	29 BENS F	Negative	0.0
1051	CEILING	DRYWALL	A	BATHROOM	29 BENS F	Negative	0.0
1052	BASEBOARD	WOOD	D	BATHROOM	29 BENS F	Negative	0.0
1053	DOOR	WOOD	C	HALLWAY	29 BENS F	Negative	0.0
1054	DOOR JAMB	WOOD	C	HALLWAY	29 BENS F	Negative	0.0
1055	DOOR CASING	WOOD	C	HALLWAY	29 BENS F	Negative	0.0
1056	WALL	DRYWALL	A	HALLWAY	29 BENS F	Negative	0.0
1057	WALL	DRYWALL	B	HALLWAY	29 BENS F	Negative	0.0
1058	WALL	DRYWALL	C	HALLWAY	29 BENS F	Negative	0.0
1059	WALL	DRYWALL	D	HALLWAY	29 BENS F	Negative	0.0
1060	BASEBOARD	WOOD	D	HALLWAY	29 BENS F	Negative	0.0
1061	CEILING	DRYWALL	A	HALLWAY	29 BENS F	Negative	0.0
1062	FLOOR	WOOD	A	HALLWAY	29 BENS F	Negative	0.0
1063	CLST DOOR	METAL	A	HALLWAY	29 BENS F	Negative	0.0
1064	CLST DOOR JAMB	WOOD	A	HALLWAY	29 BENS F	Negative	0.0
1065	CLST DOOR CASING	WOOD	A	HALLWAY	29 BENS F	Negative	0.0
1066	DOOR	WOOD	A	LIVING ROOM	29 BENS F	Negative	0.0
1067	DOOR JAMB	WOOD	A	LIVING ROOM	29 BENS F	Negative	0.0
1068	DOOR CASING	WOOD	A	LIVING ROOM	29 BENS F	Negative	0.0
1069	WALL	DRYWALL	A	LIVING ROOM	29 BENS F	Negative	0.0
1070	WALL	DRYWALL	B	LIVING ROOM	29 BENS F	Negative	0.0
1071	WALL	DRYWALL	C	LIVING ROOM	29 BENS F	Negative	0.0
1072	WALL	DRYWALL	D	LIVING ROOM	29 BENS F	Negative	0.0
1073	BASEBOARD	WOOD	A	LIVING ROOM	29 BENS F	Negative	0.0

1074	CEILING	DRYWALL	A	LIVING ROOM	29 BENS F	Negative	0.0
1075	FLOOR	WOOD	A	LIVING ROOM	29 BENS F	Negative	0.0
1076	WINDOW SASH	METAL	B	LIVING ROOM	29 BENS F	Negative	0.0
1077	WINDOW CASING	WOOD	B	LIVING ROOM	29 BENS F	Negative	0.0
1078	WINDOW SILL	WOOD	B	LIVING ROOM	29 BENS F	Negative	0.0
1079	CLST DOOR	WOOD	C	LIVING ROOM	29 BENS F	Negative	0.0
1080	CLST DOOR JAMB	WOOD	C	LIVING ROOM	29 BENS F	Negative	0.0
1081	CLST DOOR CASING	WOOD	C	LIVING ROOM	29 BENS F	Negative	0.0
1082	WALL	DRYWALL	A	KITCHEN	29 BENS F	Negative	0.0
1083	WALL	DRYWALL	B	KITCHEN	29 BENS F	Negative	0.0
1084	WALL	DRYWALL	C	KITCHEN	29 BENS F	Negative	0.0
1085	WALL	DRYWALL	D	KITCHEN	29 BENS F	Negative	0.0
1086	BASEBOARD	WOOD	C	KITCHEN	29 BENS F	Negative	0.0
1087	CEILING	DRYWALL	A	KITCHEN	29 BENS F	Negative	0.0
1088	CABINET	WOOD	A	KITCHEN	29 BENS F	Negative	0.0
1089	WINDOW SASH	METAL	B	KITCHEN	29 BENS F	Negative	0.0
1090	WINDOW CASING	WOOD	B	KITCHEN	29 BENS F	Negative	0.0
1091	WINDOW SILL	WOOD	B	KITCHEN	29 BENS F	Negative	0.0
1092	DOOR	WOOD	B	BEDROOM 1	16 BENS D	Negative	0.0
1093	DOOR JAMB	WOOD	B	BEDROOM 1	16 BENS D	Negative	0.1
1094	DOOR CASING	WOOD	B	BEDROOM 1	16 BENS D	Negative	0.0
1095	WINDOW SASH	METAL	C	BEDROOM 1	16 BENS D	Negative	0.0
1096	WINDOW CASING	WOOD	C	BEDROOM 1	16 BENS D	Negative	0.0
1097	WINDOW SILL	WOOD	C	BEDROOM 1	16 BENS D	Negative	0.0
1098	WALL	DRYWALL	A	BEDROOM 1	16 BENS D	Negative	0.0
1099	WALL	DRYWALL	B	BEDROOM 1	16 BENS D	Negative	0.0
1100	WALL	DRYWALL	C	BEDROOM 1	16 BENS D	Negative	0.0
1101	WALL	DRYWALL	D	BEDROOM 1	16 BENS D	Negative	0.0
1102	BASEBOARD	WOOD	A	BEDROOM 1	16 BENS D	Negative	0.0
1103	CEILING	DRYWALL	B	BEDROOM 1	16 BENS D	Negative	0.0
1104	CLST DOOR	WOOD	B	BEDROOM 1	16 BENS D	Negative	0.0
1105	CLST DOOR JAMB	WOOD	B	BEDROOM 1	16 BENS D	Negative	0.1
1106	CLST DOOR CASING	WOOD	B	BEDROOM 1	16 BENS D	Negative	0.0
1107	FLOOR	WOOD	D	BEDROOM 1	16 BENS D	Negative	0.0
1108	DOOR	WOOD	B	BEDROOM 2	16 BENS D	Negative	0.0
1109	DOOR JAMB	WOOD	B	BEDROOM 2	16 BENS D	Negative	0.0
1110	DOOR CASING	WOOD	B	BEDROOM 2	16 BENS D	Negative	0.0
1111	WINDOW SASH	METAL	D	BEDROOM 2	16 BENS D	Negative	0.0
1112	WINDOW CASING	WOOD	D	BEDROOM 2	16 BENS D	Negative	0.0
1113	WINDOW SILL	WOOD	D	BEDROOM 2	16 BENS D	Negative	0.0
1114	WALL	DRYWALL	A	BEDROOM 2	16 BENS D	Negative	0.0
1115	WALL	DRYWALL	B	BEDROOM 2	16 BENS D	Negative	0.1
1116	WALL	DRYWALL	C	BEDROOM 2	16 BENS D	Negative	0.0

1117	WALL	DRYWALL	D	BEDROOM 2	16 BENS D	Negative	0.0
1118	BASEBOARD	WOOD	A	BEDROOM 2	16 BENS D	Negative	0.0
1119	CEILING	DRYWALL	A	BEDROOM 2	16 BENS D	Negative	0.0
1120	CLST DOOR	WOOD	A	BEDROOM 2	16 BENS D	Negative	0.0
1121	CLST DOOR JAMB	WOOD	A	BEDROOM 2	16 BENS D	Negative	0.0
1122	CLST DOOR CASING	WOOD	A	BEDROOM 2	16 BENS D	Negative	0.0
1123	FLOOR	WOOD	A	BEDROOM 2	16 BENS D	Negative	0.0
1124	DOOR	WOOD	A	BATHROOM	16 BENS D	Negative	0.0
1125	DOOR JAMB	WOOD	A	BATHROOM	16 BENS D	Negative	0.0
1126	DOOR CASING	WOOD	A	BATHROOM	16 BENS D	Negative	0.0
1127	WALL	DRYWALL	A	BATHROOM	16 BENS D	Negative	0.0
1128	WALL	DRYWALL	B	BATHROOM	16 BENS D	Negative	0.0
1129	WALL	DRYWALL	C	BATHROOM	16 BENS D	Negative	0.0
1130	WALL	DRYWALL	D	BATHROOM	16 BENS D	Negative	0.0
1131	CEILING	DRYWALL	A	BATHROOM	16 BENS D	Negative	0.0
1132	BASEBOARD	WOOD	D	BATHROOM	16 BENS D	Negative	0.1
1133	DOOR	WOOD	C	HALLWAY	16 BENS D	Negative	0.0
1134	DOOR JAMB	WOOD	C	HALLWAY	16 BENS D	Negative	0.0
1135	DOOR CASING	WOOD	C	HALLWAY	16 BENS D	Negative	0.0
1136	WALL	DRYWALL	A	HALLWAY	16 BENS D	Negative	0.0
1137	WALL	DRYWALL	B	HALLWAY	16 BENS D	Negative	0.0
1138	WALL	DRYWALL	C	HALLWAY	16 BENS D	Negative	0.0
1139	WALL	DRYWALL	D	HALLWAY	16 BENS D	Negative	0.0
1140	BASEBOARD	WOOD	D	HALLWAY	16 BENS D	Negative	0.0
1141	CEILING	DRYWALL	A	HALLWAY	16 BENS D	Negative	0.0
1142	FLOOR	WOOD	A	HALLWAY	16 BENS D	Negative	0.0
1143	CLST DOOR	METAL	A	HALLWAY	16 BENS D	Negative	0.0
1144	CLST DOOR JAMB	WOOD	A	HALLWAY	16 BENS D	Negative	0.0
1145	CLST DOOR CASING	WOOD	A	HALLWAY	16 BENS D	Negative	0.0
1146	DOOR	WOOD	A	LIVING ROOM	16 BENS D	Negative	0.0
1147	DOOR JAMB	METAL	A	LIVING ROOM	16 BENS D	Negative	0.3
1148	DOOR CASING	METAL	A	LIVING ROOM	16 BENS D	Negative	0.5
1149	WALL	DRYWALL	A	LIVING ROOM	16 BENS D	Negative	0.0
1150	WALL	DRYWALL	B	LIVING ROOM	16 BENS D	Negative	0.0
1151	WALL	DRYWALL	C	LIVING ROOM	16 BENS D	Negative	0.0
1152	WALL	DRYWALL	D	LIVING ROOM	16 BENS D	Negative	0.0
1153	BASEBOARD	WOOD	A	LIVING ROOM	16 BENS D	Negative	0.0
1154	CEILING	DRYWALL	A	LIVING ROOM	16 BENS D	Negative	0.0
1155	FLOOR	WOOD	A	LIVING ROOM	16 BENS D	Negative	0.0
1156	WINDOW SASH	METAL	B	LIVING ROOM	16 BENS D	Negative	0.0
1157	WINDOW CASING	WOOD	B	LIVING ROOM	16 BENS D	Negative	0.0
1158	WINDOW SILL	WOOD	B	LIVING ROOM	16 BENS D	Negative	0.0
1159	CLST DOOR	WOOD	C	LIVING ROOM	16 BENS D	Negative	0.0

1160	CLST DOOR JAMB	WOOD	C	LIVING ROOM	16 BENS D	Negative	0.0
1161	CLST DOOR CASING	WOOD	C	LIVING ROOM	16 BENS D	Negative	0.0
1162	WALL	DRYWALL	A	KITCHEN	16 BENS D	Negative	0.0
1163	WALL	DRYWALL	B	KITCHEN	16 BENS D	Negative	0.1
1164	WALL	DRYWALL	C	KITCHEN	16 BENS D	Negative	0.0
1165	WALL	DRYWALL	D	KITCHEN	16 BENS D	Negative	0.0
1166	BASEBOARD	WOOD	C	KITCHEN	16 BENS D	Negative	0.0
1167	CEILING	DRYWALL	A	KITCHEN	16 BENS D	Negative	0.0
1168	CABINET	WOOD	A	KITCHEN	16 BENS D	Negative	0.0
1169	WINDOW SASH	METAL	B	KITCHEN	16 BENS D	Negative	0.0
1170	WINDOW CASING	WOOD	B	KITCHEN	16 BENS D	Negative	0.0
1171	WINDOW SILL	WOOD	B	KITCHEN	16 BENS D	Negative	0.0
1172	DOOR	WOOD	B	BEDROOM 1	12 BENS F	Negative	0.0
1173	DOOR JAMB	WOOD	B	BEDROOM 1	12 BENS F	Negative	0.1
1174	DOOR CASING	WOOD	B	BEDROOM 1	12 BENS F	Negative	0.0
1175	WINDOW SASH	METAL	C	BEDROOM 1	12 BENS F	Negative	0.0
1176	WINDOW CASING	WOOD	C	BEDROOM 1	12 BENS F	Negative	0.0
1177	WINDOW SILL	WOOD	C	BEDROOM 1	12 BENS F	Negative	0.0
1178	WALL	DRYWALL	A	BEDROOM 1	12 BENS F	Negative	0.0
1179	WALL	DRYWALL	B	BEDROOM 1	12 BENS F	Negative	0.0
1180	WALL	DRYWALL	C	BEDROOM 1	12 BENS F	Negative	0.0
1181	WALL	DRYWALL	D	BEDROOM 1	12 BENS F	Negative	0.0
1182	BASEBOARD	WOOD	A	BEDROOM 1	12 BENS F	Negative	0.2
1183	CEILING	DRYWALL	B	BEDROOM 1	12 BENS F	Negative	0.0
1184	CLST DOOR	WOOD	B	BEDROOM 1	12 BENS F	Negative	0.0
1185	CLST DOOR JAMB	WOOD	B	BEDROOM 1	12 BENS F	Negative	0.0
1186	CLST DOOR CASING	WOOD	B	BEDROOM 1	12 BENS F	Negative	0.0
1187	FLOOR	WOOD	D	BEDROOM 1	12 BENS F	Negative	0.0
1188	DOOR	WOOD	B	BEDROOM 2	12 BENS F	Negative	0.0
1189	DOOR JAMB	WOOD	B	BEDROOM 2	12 BENS F	Negative	0.0
1190	DOOR CASING	WOOD	B	BEDROOM 2	12 BENS F	Negative	0.0
1191	WINDOW SASH	METAL	D	BEDROOM 2	12 BENS F	Negative	0.0
1192	WINDOW CASING	WOOD	D	BEDROOM 2	12 BENS F	Negative	0.0
1193	WINDOW SILL	WOOD	D	BEDROOM 2	12 BENS F	Negative	0.0
1194	WALL	DRYWALL	A	BEDROOM 2	12 BENS F	Negative	0.0
1195	WALL	DRYWALL	B	BEDROOM 2	12 BENS F	Negative	0.0
1196	WALL	DRYWALL	C	BEDROOM 2	12 BENS F	Negative	0.1
1197	WALL	DRYWALL	D	BEDROOM 2	12 BENS F	Negative	0.0
1198	BASEBOARD	WOOD	A	BEDROOM 2	12 BENS F	Negative	0.0
1199	CEILING	DRYWALL	A	BEDROOM 2	12 BENS F	Negative	0.0
1200	CLST DOOR	WOOD	A	BEDROOM 2	12 BENS F	Negative	0.0
1201	CLST DOOR JAMB	WOOD	A	BEDROOM 2	12 BENS F	Negative	0.0
1202	CLST DOOR CASING	WOOD	A	BEDROOM 2	12 BENS F	Negative	0.0

1203	FLOOR	WOOD	A	BEDROOM 2	12 BENS F	Negative	0.0
1204	DOOR	WOOD	A	BATHROOM	12 BENS F	Negative	0.0
1205	DOOR JAMB	WOOD	A	BATHROOM	12 BENS F	Negative	0.0
1206	DOOR CASING	WOOD	A	BATHROOM	12 BENS F	Negative	0.0
1207	WALL	DRYWALL	A	BATHROOM	12 BENS F	Negative	0.0
1208	WALL	DRYWALL	B	BATHROOM	12 BENS F	Negative	0.0
1209	WALL	DRYWALL	C	BATHROOM	12 BENS F	Negative	0.0
1210	WALL	DRYWALL	D	BATHROOM	12 BENS F	Negative	0.0
1211	CEILING	DRYWALL	A	BATHROOM	12 BENS F	Negative	0.0
1212	BASEBOARD	WOOD	D	BATHROOM	12 BENS F	Negative	0.0
1213	DOOR	WOOD	C	HALLWAY	12 BENS F	Negative	0.0
1214	DOOR JAMB	WOOD	C	HALLWAY	12 BENS F	Negative	0.1
1215	DOOR CASING	WOOD	C	HALLWAY	12 BENS F	Negative	0.0
1216	WALL	DRYWALL	A	HALLWAY	12 BENS F	Negative	0.0
1217	WALL	DRYWALL	B	HALLWAY	12 BENS F	Negative	0.0
1218	WALL	DRYWALL	C	HALLWAY	12 BENS F	Negative	0.0
1219	WALL	DRYWALL	D	HALLWAY	12 BENS F	Negative	0.0
1220	BASEBOARD	WOOD	D	HALLWAY	12 BENS F	Negative	0.0
1221	CEILING	DRYWALL	A	HALLWAY	12 BENS F	Negative	0.0
1222	FLOOR	WOOD	A	HALLWAY	12 BENS F	Negative	0.0
1223	CLST DOOR	METAL	A	HALLWAY	12 BENS F	Negative	0.0
1224	CLST DOOR JAMB	WOOD	A	HALLWAY	12 BENS F	Negative	0.0
1225	CLST DOOR CASING	WOOD	A	HALLWAY	12 BENS F	Negative	0.0
1226	DOOR	WOOD	A	LIVING ROOM	12 BENS F	Negative	0.0
1227	DOOR JAMB	METAL	A	LIVING ROOM	12 BENS F	Negative	0.6
1228	DOOR CASING	METAL	A	LIVING ROOM	12 BENS F	Negative	0.5
1229	WALL	DRYWALL	A	LIVING ROOM	12 BENS F	Negative	0.0
1230	WALL	DRYWALL	B	LIVING ROOM	12 BENS F	Negative	0.0
1231	WALL	DRYWALL	C	LIVING ROOM	12 BENS F	Negative	0.0
1232	WALL	DRYWALL	D	LIVING ROOM	12 BENS F	Negative	0.0
1233	BASEBOARD	WOOD	A	LIVING ROOM	12 BENS F	Negative	0.0
1234	CEILING	DRYWALL	A	LIVING ROOM	12 BENS F	Negative	0.0
1235	FLOOR	WOOD	A	LIVING ROOM	12 BENS F	Negative	0.0
1236	WINDOW SASH	METAL	B	LIVING ROOM	12 BENS F	Negative	0.0
1237	WINDOW CASING	WOOD	B	LIVING ROOM	12 BENS F	Negative	0.0
1238	WINDOW SILL	WOOD	B	LIVING ROOM	12 BENS F	Negative	0.0
1239	CLST DOOR	WOOD	C	LIVING ROOM	12 BENS F	Negative	0.0
1240	CLST DOOR JAMB	WOOD	C	LIVING ROOM	12 BENS F	Negative	0.0
1241	CLST DOOR CASING	WOOD	C	LIVING ROOM	12 BENS F	Negative	0.0
1242	WALL	DRYWALL	A	KITCHEN	12 BENS F	Negative	0.0
1243	WALL	DRYWALL	B	KITCHEN	12 BENS F	Negative	0.0
1244	WALL	DRYWALL	C	KITCHEN	12 BENS F	Negative	0.2
1245	WALL	DRYWALL	D	KITCHEN	12 BENS F	Negative	0.0

1246	BASEBOARD	WOOD	C	KITCHEN	12 BENS F	Negative	0.0
1247	CEILING	DRYWALL	A	KITCHEN	12 BENS F	Negative	0.0
1248	CABINET	WOOD	A	KITCHEN	12 BENS F	Negative	0.0
1249	WINDOW SASH	METAL	B	KITCHEN	12 BENS F	Negative	0.0
1250	WINDOW CASING	WOOD	B	KITCHEN	12 BENS F	Negative	0.1
1251	WINDOW SILL	WOOD	B	KITCHEN	12 BENS F	Negative	0.0
1252	DOOR	WOOD	B	BEDROOM 1	8 BENS B	Negative	0.0
1253	DOOR JAMB	WOOD	B	BEDROOM 1	8 BENS B	Negative	0.0
1254	DOOR CASING	WOOD	B	BEDROOM 1	8 BENS B	Negative	0.0
1255	WINDOW SASH	METAL	C	BEDROOM 1	8 BENS B	Negative	0.0
1256	WINDOW CASING	WOOD	C	BEDROOM 1	8 BENS B	Negative	0.0
1257	WINDOW SILL	WOOD	C	BEDROOM 1	8 BENS B	Negative	0.2
1258	WALL	DRYWALL	A	BEDROOM 1	8 BENS B	Negative	0.0
1259	WALL	DRYWALL	B	BEDROOM 1	8 BENS B	Negative	0.0
1260	WALL	DRYWALL	C	BEDROOM 1	8 BENS B	Negative	0.0
1261	WALL	DRYWALL	D	BEDROOM 1	8 BENS B	Negative	0.0
1262	BASEBOARD	WOOD	A	BEDROOM 1	8 BENS B	Negative	0.0
1263	CEILING	DRYWALL	B	BEDROOM 1	8 BENS B	Negative	0.0
1264	CLST DOOR	WOOD	B	BEDROOM 1	8 BENS B	Negative	0.0
1265	CLST DOOR JAMB	WOOD	B	BEDROOM 1	8 BENS B	Negative	0.0
1266	CLST DOOR CASING	WOOD	B	BEDROOM 1	8 BENS B	Negative	0.0
1267	FLOOR	WOOD	D	BEDROOM 1	8 BENS B	Negative	0.0
1268	DOOR	WOOD	B	BEDROOM 2	8 BENS B	Negative	0.0
1269	DOOR JAMB	WOOD	B	BEDROOM 2	8 BENS B	Negative	0.1
1270	DOOR CASING	WOOD	B	BEDROOM 2	8 BENS B	Negative	0.0
1271	WINDOW SASH	METAL	D	BEDROOM 2	8 BENS B	Negative	0.0
1272	WINDOW CASING	WOOD	D	BEDROOM 2	8 BENS B	Negative	0.0
1273	WINDOW SILL	WOOD	D	BEDROOM 2	8 BENS B	Negative	0.0
1274	WALL	DRYWALL	A	BEDROOM 2	8 BENS B	Negative	0.0
1275	WALL	DRYWALL	B	BEDROOM 2	8 BENS B	Negative	0.0
1276	WALL	DRYWALL	C	BEDROOM 2	8 BENS B	Negative	0.0
1277	WALL	DRYWALL	D	BEDROOM 2	8 BENS B	Negative	0.0
1278	BASEBOARD	WOOD	A	BEDROOM 2	8 BENS B	Negative	0.0
1279	CEILING	DRYWALL	A	BEDROOM 2	8 BENS B	Negative	0.0
1280	CLST DOOR	WOOD	A	BEDROOM 2	8 BENS B	Negative	0.0
1281	CLST DOOR JAMB	WOOD	A	BEDROOM 2	8 BENS B	Negative	0.0
1282	CLST DOOR CASING	WOOD	A	BEDROOM 2	8 BENS B	Negative	0.0
1283	FLOOR	WOOD	A	BEDROOM 2	8 BENS B	Negative	0.0
1284	DOOR	WOOD	A	BATHROOM	8 BENS B	Negative	0.0
1285	DOOR JAMB	WOOD	A	BATHROOM	8 BENS B	Negative	0.1
1286	DOOR CASING	WOOD	A	BATHROOM	8 BENS B	Negative	0.0
1287	WALL	DRYWALL	A	BATHROOM	8 BENS B	Negative	0.0
1288	WALL	DRYWALL	B	BATHROOM	8 BENS B	Negative	0.0

1289	WALL	DRYWALL	C	BATHROOM	8 BENS B	Negative	0.0
1290	WALL	DRYWALL	D	BATHROOM	8 BENS B	Negative	0.0
1291	CEILING	DRYWALL	A	BATHROOM	8 BENS B	Negative	0.0
1292	BASEBOARD	WOOD	D	BATHROOM	8 BENS B	Negative	0.0
1293	DOOR	WOOD	C	HALLWAY	8 BENS B	Negative	0.0
1294	DOOR JAMB	WOOD	C	HALLWAY	8 BENS B	Negative	0.0
1295	DOOR CASING	WOOD	C	HALLWAY	8 BENS B	Negative	0.0
1296	WALL	DRYWALL	A	HALLWAY	8 BENS B	Negative	0.0
1297	WALL	DRYWALL	B	HALLWAY	8 BENS B	Negative	0.0
1298	WALL	DRYWALL	C	HALLWAY	8 BENS B	Negative	0.0
1299	WALL	DRYWALL	D	HALLWAY	8 BENS B	Negative	0.0
1300	BASEBOARD	WOOD	D	HALLWAY	8 BENS B	Negative	0.0
1301	CEILING	DRYWALL	A	HALLWAY	8 BENS B	Negative	0.0
1302	FLOOR	WOOD	A	HALLWAY	8 BENS B	Negative	0.0
1303	CLST DOOR	METAL	A	HALLWAY	8 BENS B	Negative	0.0
1304	CLST DOOR JAMB	WOOD	A	HALLWAY	8 BENS B	Negative	0.0
1305	CLST DOOR CASING	WOOD	A	HALLWAY	8 BENS B	Negative	0.0
1306	DOOR	WOOD	A	LIVING ROOM	8 BENS B	Negative	0.0
1307	DOOR JAMB	METAL	A	LIVING ROOM	8 BENS B	Negative	0.4
1308	DOOR CASING	METAL	A	LIVING ROOM	8 BENS B	Negative	0.4
1309	WALL	DRYWALL	A	LIVING ROOM	8 BENS B	Negative	0.0
1310	WALL	DRYWALL	B	LIVING ROOM	8 BENS B	Negative	0.0
1311	WALL	DRYWALL	C	LIVING ROOM	8 BENS B	Negative	0.0
1312	WALL	DRYWALL	D	LIVING ROOM	8 BENS B	Negative	0.0
1313	BASEBOARD	WOOD	A	LIVING ROOM	8 BENS B	Negative	0.0
1314	CEILING	DRYWALL	A	LIVING ROOM	8 BENS B	Negative	0.0
1315	FLOOR	WOOD	A	LIVING ROOM	8 BENS B	Negative	0.0
1316	CLST DOOR	WOOD	C	LIVING ROOM	8 BENS B	Negative	0.0
1317	CLST DOOR JAMB	WOOD	C	LIVING ROOM	8 BENS B	Negative	0.0
1318	CLST DOOR CASING	WOOD	C	LIVING ROOM	8 BENS B	Negative	0.1
1319	WALL	DRYWALL	A	KITCHEN	8 BENS B	Negative	0.0
1320	WALL	DRYWALL	B	KITCHEN	8 BENS B	Negative	0.0
1321	WALL	DRYWALL	C	KITCHEN	8 BENS B	Negative	0.0
1322	WALL	DRYWALL	D	KITCHEN	8 BENS B	Negative	0.0
1323	BASEBOARD	WOOD	C	KITCHEN	8 BENS B	Negative	0.1
1324	CEILING	DRYWALL	A	KITCHEN	8 BENS B	Negative	0.0
1325	CABINET	WOOD	A	KITCHEN	8 BENS B	Negative	0.0
1326	WINDOW SASH	METAL	B	KITCHEN	8 BENS B	Negative	0.0
1327	WINDOW CASING	WOOD	B	KITCHEN	8 BENS B	Negative	0.0
1328	WINDOW SILL	WOOD	B	KITCHEN	8 BENS B	Negative	0.0
1329	CALIBRATE					N/A	0.9
1330	CALIBRATE					N/A	1.0
1331	CALIBRATE					N/A	1.1

1332	CALIBRATE					N/A	0.8
1333	CALIBRATE					N/A	1.1
1334	CALIBRATE					N/A	1.2
1335	DOOR	WOOD	B	BEDROOM 1	11 Marcs D	Negative	0.0
1336	DOOR JAMB	WOOD	B	BEDROOM 1	11 Marcs D	Negative	0.0
1337	DOOR CASING	WOOD	B	BEDROOM 1	11 Marcs D	Negative	0.0
1338	WINDOW SASH	METAL	C	BEDROOM 1	11 Marcs D	Negative	0.0
1339	WINDOW CASING	WOOD	C	BEDROOM 1	11 Marcs D	Negative	0.0
1340	WINDOW SILL	WOOD	C	BEDROOM 1	11 Marcs D	Negative	0.0
1341	WALL	DRYWALL	A	BEDROOM 1	11 Marcs D	Negative	0.1
1342	WALL	DRYWALL	B	BEDROOM 1	11 Marcs D	Negative	0.0
1343	WALL	DRYWALL	C	BEDROOM 1	11 Marcs D	Negative	0.0
1344	WALL	DRYWALL	D	BEDROOM 1	11 Marcs D	Negative	0.0
1345	BASEBOARD	WOOD	A	BEDROOM 1	11 Marcs D	Negative	0.0
1346	CEILING	DRYWALL	B	BEDROOM 1	11 Marcs D	Negative	0.0
1347	CLST DOOR	WOOD	B	BEDROOM 1	11 Marcs D	Negative	0.0
1348	CLST DOOR JAMB	WOOD	B	BEDROOM 1	11 Marcs D	Negative	0.0
1349	CLST DOOR CASING	WOOD	B	BEDROOM 1	11 Marcs D	Negative	0.0
1350	FLOOR	WOOD	D	BEDROOM 1	11 Marcs D	Negative	0.0
1351	DOOR	WOOD	B	BEDROOM 2	11 Marcs D	Negative	0.0
1352	DOOR JAMB	WOOD	B	BEDROOM 2	11 Marcs D	Negative	0.0
1353	DOOR CASING	WOOD	B	BEDROOM 2	11 Marcs D	Negative	0.0
1354	WINDOW SASH	METAL	D	BEDROOM 2	11 Marcs D	Negative	0.0
1355	WINDOW CASING	WOOD	D	BEDROOM 2	11 Marcs D	Negative	0.0
1356	WINDOW SILL	WOOD	D	BEDROOM 2	11 Marcs D	Negative	0.0
1357	WALL	DRYWALL	A	BEDROOM 2	11 Marcs D	Negative	0.0
1358	WALL	DRYWALL	B	BEDROOM 2	11 Marcs D	Negative	0.1
1359	WALL	DRYWALL	C	BEDROOM 2	11 Marcs D	Negative	0.0
1360	WALL	DRYWALL	D	BEDROOM 2	11 Marcs D	Negative	0.0
1361	BASEBOARD	WOOD	A	BEDROOM 2	11 Marcs D	Negative	0.0
1362	CEILING	DRYWALL	A	BEDROOM 2	11 Marcs D	Negative	0.0
1363	CLST DOOR	WOOD	A	BEDROOM 2	11 Marcs D	Negative	0.0
1364	CLST DOOR JAMB	WOOD	A	BEDROOM 2	11 Marcs D	Negative	0.0
1365	CLST DOOR CASING	WOOD	A	BEDROOM 2	11 Marcs D	Negative	0.0
1366	FLOOR	WOOD	A	BEDROOM 2	11 Marcs D	Negative	0.0
1367	DOOR	WOOD	A	BATHROOM	11 Marcs D	Negative	0.0
1368	DOOR JAMB	WOOD	A	BATHROOM	11 Marcs D	Negative	0.0
1369	DOOR CASING	WOOD	A	BATHROOM	11 Marcs D	Negative	0.0
1370	WALL	DRYWALL	A	BATHROOM	11 Marcs D	Negative	0.0
1371	WALL	DRYWALL	B	BATHROOM	11 Marcs D	Negative	0.0
1372	WALL	DRYWALL	C	BATHROOM	11 Marcs D	Negative	0.0
1373	WALL	DRYWALL	D	BATHROOM	11 Marcs D	Negative	0.0
1374	CEILING	DRYWALL	A	BATHROOM	11 Marcs D	Negative	0.2

1375	BASEBOARD	WOOD	D	BATHROOM	11 Marcs D	Negative	0.0
1376	DOOR	WOOD	C	HALLWAY	11 Marcs D	Negative	0.0
1377	DOOR JAMB	WOOD	C	HALLWAY	11 Marcs D	Negative	0.0
1378	DOOR CASING	WOOD	C	HALLWAY	11 Marcs D	Negative	0.0
1379	WALL	DRYWALL	A	HALLWAY	11 Marcs D	Negative	0.0
1380	WALL	DRYWALL	B	HALLWAY	11 Marcs D	Negative	0.0
1381	WALL	DRYWALL	C	HALLWAY	11 Marcs D	Negative	0.0
1382	WALL	DRYWALL	D	HALLWAY	11 Marcs D	Negative	0.0
1383	BASEBOARD	WOOD	D	HALLWAY	11 Marcs D	Negative	0.0
1384	CEILING	DRYWALL	A	HALLWAY	11 Marcs D	Negative	0.0
1385	FLOOR	WOOD	A	HALLWAY	11 Marcs D	Negative	0.0
1386	CLST DOOR	METAL	A	HALLWAY	11 Marcs D	Negative	0.0
1387	CLST DOOR JAMB	WOOD	A	HALLWAY	11 Marcs D	Negative	0.0
1388	CLST DOOR CASING	WOOD	A	HALLWAY	11 Marcs D	Negative	0.0
1389	DOOR	WOOD	A	LIVING ROOM	11 Marcs D	Negative	0.0
1390	DOOR JAMB	METAL	A	LIVING ROOM	11 Marcs D	Negative	0.3
1391	DOOR CASING	METAL	A	LIVING ROOM	11 Marcs D	Negative	0.4
1392	WALL	DRYWALL	A	LIVING ROOM	11 Marcs D	Negative	0.0
1393	WALL	DRYWALL	B	LIVING ROOM	11 Marcs D	Negative	0.0
1394	WALL	DRYWALL	C	LIVING ROOM	11 Marcs D	Negative	0.0
1395	WALL	DRYWALL	D	LIVING ROOM	11 Marcs D	Negative	0.0
1396	BASEBOARD	WOOD	A	LIVING ROOM	11 Marcs D	Negative	0.0
1397	CEILING	DRYWALL	A	LIVING ROOM	11 Marcs D	Negative	0.0
1398	FLOOR	WOOD	A	LIVING ROOM	11 Marcs D	Negative	0.0
1399	WINDOW SASH	METAL	B	LIVING ROOM	11 Marcs D	Negative	0.0
1400	WINDOW CASING	WOOD	B	LIVING ROOM	11 Marcs D	Negative	0.0
1401	WINDOW SILL	WOOD	B	LIVING ROOM	11 Marcs D	Negative	0.0
1402	CLST DOOR	WOOD	C	LIVING ROOM	11 Marcs D	Negative	0.0
1403	CLST DOOR JAMB	WOOD	C	LIVING ROOM	11 Marcs D	Negative	0.0
1404	CLST DOOR CASING	WOOD	C	LIVING ROOM	11 Marcs D	Negative	0.0
1405	WALL	DRYWALL	A	KITCHEN	11 Marcs D	Negative	0.0
1406	WALL	DRYWALL	B	KITCHEN	11 Marcs D	Negative	0.0
1407	WALL	DRYWALL	C	KITCHEN	11 Marcs D	Negative	0.0
1408	WALL	DRYWALL	D	KITCHEN	11 Marcs D	Negative	0.0
1409	BASEBOARD	WOOD	C	KITCHEN	11 Marcs D	Negative	0.0
1410	CEILING	DRYWALL	A	KITCHEN	11 Marcs D	Negative	0.0
1411	CABINET	WOOD	A	KITCHEN	11 Marcs D	Negative	0.0
1412	WINDOW SASH	METAL	B	KITCHEN	11 Marcs D	Negative	0.0
1413	WINDOW CASING	WOOD	B	KITCHEN	11 Marcs D	Negative	0.0
1414	WINDOW SILL	WOOD	B	KITCHEN	11 Marcs D	Negative	0.0
1415	DOOR	WOOD	B	BEDROOM 1	4 BENS D	Negative	0.0
1416	DOOR JAMB	WOOD	B	BEDROOM 1	4 BENS D	Negative	0.0
1417	DOOR CASING	WOOD	B	BEDROOM 1	4 BENS D	Negative	0.0

1418	WINDOW SASH	METAL	C	BEDROOM 1	4 BENS D	Negative	0.0
1419	WINDOW CASING	WOOD	C	BEDROOM 1	4 BENS D	Negative	0.0
1420	WINDOW SILL	WOOD	C	BEDROOM 1	4 BENS D	Negative	0.0
1421	WALL	DRYWALL	A	BEDROOM 1	4 BENS D	Negative	0.0
1422	WALL	DRYWALL	B	BEDROOM 1	4 BENS D	Negative	0.0
1423	WALL	DRYWALL	C	BEDROOM 1	4 BENS D	Negative	0.0
1424	WALL	DRYWALL	D	BEDROOM 1	4 BENS D	Negative	0.0
1425	BASEBOARD	WOOD	A	BEDROOM 1	4 BENS D	Negative	0.0
1426	CEILING	DRYWALL	B	BEDROOM 1	4 BENS D	Negative	0.0
1427	CLST DOOR	WOOD	B	BEDROOM 1	4 BENS D	Negative	0.1
1428	CLST DOOR JAMB	WOOD	B	BEDROOM 1	4 BENS D	Negative	0.0
1429	CLST DOOR CASING	WOOD	B	BEDROOM 1	4 BENS D	Negative	0.0
1430	FLOOR	WOOD	D	BEDROOM 1	4 BENS D	Negative	0.0
1431	DOOR	WOOD	B	BEDROOM 2	4 BENS D	Negative	0.0
1432	DOOR JAMB	WOOD	B	BEDROOM 2	4 BENS D	Negative	0.0
1433	DOOR CASING	WOOD	B	BEDROOM 2	4 BENS D	Negative	0.0
1434	WINDOW SASH	METAL	D	BEDROOM 2	4 BENS D	Negative	0.0
1435	WINDOW CASING	WOOD	D	BEDROOM 2	4 BENS D	Negative	0.0
1436	WINDOW SILL	WOOD	D	BEDROOM 2	4 BENS D	Negative	0.0
1437	WALL	DRYWALL	A	BEDROOM 2	4 BENS D	Negative	0.0
1438	WALL	DRYWALL	B	BEDROOM 2	4 BENS D	Negative	0.0
1439	WALL	DRYWALL	C	BEDROOM 2	4 BENS D	Negative	0.0
1440	WALL	DRYWALL	D	BEDROOM 2	4 BENS D	Negative	0.0
1441	BASEBOARD	WOOD	A	BEDROOM 2	4 BENS D	Negative	0.0
1442	CEILING	DRYWALL	A	BEDROOM 2	4 BENS D	Negative	0.0
1443	CLST DOOR	WOOD	A	BEDROOM 2	4 BENS D	Negative	0.0
1444	CLST DOOR JAMB	WOOD	A	BEDROOM 2	4 BENS D	Negative	0.1
1445	CLST DOOR CASING	WOOD	A	BEDROOM 2	4 BENS D	Negative	0.0
1446	FLOOR	WOOD	A	BEDROOM 2	4 BENS D	Negative	0.0
1447	DOOR	WOOD	A	BATHROOM	4 BENS D	Negative	0.0
1448	DOOR JAMB	WOOD	A	BATHROOM	4 BENS D	Negative	0.0
1449	DOOR CASING	WOOD	A	BATHROOM	4 BENS D	Negative	0.0
1450	WALL	DRYWALL	A	BATHROOM	4 BENS D	Negative	0.0
1451	WALL	DRYWALL	B	BATHROOM	4 BENS D	Negative	0.0
1452	WALL	DRYWALL	C	BATHROOM	4 BENS D	Negative	0.0
1453	WALL	DRYWALL	D	BATHROOM	4 BENS D	Negative	0.0
1454	CEILING	DRYWALL	A	BATHROOM	4 BENS D	Negative	0.0
1455	BASEBOARD	WOOD	D	BATHROOM	4 BENS D	Negative	0.0
1456	DOOR	WOOD	C	HALLWAY	4 BENS D	Negative	0.0
1457	DOOR JAMB	WOOD	C	HALLWAY	4 BENS D	Negative	0.0
1458	DOOR CASING	WOOD	C	HALLWAY	4 BENS D	Negative	0.1
1459	WALL	DRYWALL	A	HALLWAY	4 BENS D	Negative	0.0
1460	WALL	DRYWALL	B	HALLWAY	4 BENS D	Negative	0.0

1461	WALL	DRYWALL	C	HALLWAY	4 BENS D	Negative	0.0
1462	WALL	DRYWALL	D	HALLWAY	4 BENS D	Negative	0.0
1463	BASEBOARD	WOOD	D	HALLWAY	4 BENS D	Negative	0.0
1464	CEILING	DRYWALL	A	HALLWAY	4 BENS D	Negative	0.0
1465	FLOOR	WOOD	A	HALLWAY	4 BENS D	Negative	0.0
1466	CLST DOOR	METAL	A	HALLWAY	4 BENS D	Negative	0.0
1467	CLST DOOR JAMB	WOOD	A	HALLWAY	4 BENS D	Negative	0.0
1468	CLST DOOR CASING	WOOD	A	HALLWAY	4 BENS D	Negative	0.0
1469	DOOR	WOOD	A	LIVING ROOM	4 BENS D	Negative	0.0
1470	DOOR JAMB	METAL	A	LIVING ROOM	4 BENS D	Negative	0.5
1471	DOOR CASING	METAL	A	LIVING ROOM	4 BENS D	Negative	0.5
1472	WALL	DRYWALL	A	LIVING ROOM	4 BENS D	Negative	0.0
1473	WALL	DRYWALL	B	LIVING ROOM	4 BENS D	Negative	0.0
1474	WALL	DRYWALL	C	LIVING ROOM	4 BENS D	Negative	0.0
1475	WALL	DRYWALL	D	LIVING ROOM	4 BENS D	Negative	0.0
1476	BASEBOARD	WOOD	A	LIVING ROOM	4 BENS D	Negative	0.0
1477	CEILING	DRYWALL	A	LIVING ROOM	4 BENS D	Negative	0.0
1478	FLOOR	WOOD	A	LIVING ROOM	4 BENS D	Negative	0.0
1479	WINDOW SASH	METAL	B	LIVING ROOM	4 BENS D	Negative	0.0
1480	WINDOW CASING	WOOD	B	LIVING ROOM	4 BENS D	Negative	0.0
1481	WINDOW SILL	WOOD	B	LIVING ROOM	4 BENS D	Negative	0.0
1482	CLST DOOR	WOOD	C	LIVING ROOM	4 BENS D	Negative	0.0
1483	CLST DOOR JAMB	WOOD	C	LIVING ROOM	4 BENS D	Negative	0.1
1484	CLST DOOR CASING	WOOD	C	LIVING ROOM	4 BENS D	Negative	0.0
1485	WALL	DRYWALL	A	KITCHEN	4 BENS D	Negative	0.0
1486	WALL	DRYWALL	B	KITCHEN	4 BENS D	Negative	0.0
1487	WALL	DRYWALL	C	KITCHEN	4 BENS D	Negative	0.0
1488	WALL	DRYWALL	D	KITCHEN	4 BENS D	Negative	0.0
1489	BASEBOARD	WOOD	C	KITCHEN	4 BENS D	Negative	0.0
1490	CEILING	DRYWALL	A	KITCHEN	4 BENS D	Negative	0.1
1491	CABINET	WOOD	A	KITCHEN	4 BENS D	Negative	0.0
1492	WINDOW SASH	METAL	B	KITCHEN	4 BENS D	Negative	0.0
1493	WINDOW CASING	WOOD	B	KITCHEN	4 BENS D	Negative	0.0
1494	WINDOW SILL	WOOD	B	KITCHEN	4 BENS D	Negative	0.0
1495	DOOR	WOOD	B	BEDROOM 1	3 MARCS F	Negative	0.0
1496	DOOR JAMB	WOOD	B	BEDROOM 1	3 MARCS F	Negative	0.0
1497	DOOR CASING	WOOD	B	BEDROOM 1	3 MARCS F	Negative	0.0
1498	WINDOW SASH	METAL	C	BEDROOM 1	3 MARCS F	Negative	0.0
1499	WINDOW CASING	WOOD	C	BEDROOM 1	3 MARCS F	Negative	0.1
1500	WINDOW SILL	WOOD	C	BEDROOM 1	3 MARCS F	Negative	0.0
1501	WALL	DRYWALL	A	BEDROOM 1	3 MARCS F	Negative	0.0
1502	WALL	DRYWALL	B	BEDROOM 1	3 MARCS F	Negative	0.0
1503	WALL	DRYWALL	C	BEDROOM 1	3 MARCS F	Negative	0.0

1504	WALL	DRYWALL	D	BEDROOM 1	3 MARCS F	Negative	0.0
1505	BASEBOARD	WOOD	A	BEDROOM 1	3 MARCS F	Negative	0.0
1506	CEILING	DRYWALL	B	BEDROOM 1	3 MARCS F	Negative	0.0
1507	CLST DOOR	WOOD	B	BEDROOM 1	3 MARCS F	Negative	0.0
1508	CLST DOOR JAMB	WOOD	B	BEDROOM 1	3 MARCS F	Negative	0.0
1509	CLST DOOR CASING	WOOD	B	BEDROOM 1	3 MARCS F	Negative	0.0
1510	FLOOR	WOOD	D	BEDROOM 1	3 MARCS F	Negative	0.0
1511	DOOR	WOOD	B	BEDROOM 2	3 MARCS F	Negative	0.0
1512	DOOR JAMB	WOOD	B	BEDROOM 2	3 MARCS F	Negative	0.1
1513	DOOR CASING	WOOD	B	BEDROOM 2	3 MARCS F	Negative	0.0
1514	WINDOW SASH	METAL	D	BEDROOM 2	3 MARCS F	Negative	0.0
1515	WINDOW CASING	WOOD	D	BEDROOM 2	3 MARCS F	Negative	0.0
1516	WINDOW SILL	WOOD	D	BEDROOM 2	3 MARCS F	Negative	0.0
1517	WALL	DRYWALL	A	BEDROOM 2	3 MARCS F	Negative	0.0
1518	WALL	DRYWALL	B	BEDROOM 2	3 MARCS F	Negative	0.0
1519	WALL	DRYWALL	C	BEDROOM 2	3 MARCS F	Negative	0.0
1520	WALL	DRYWALL	D	BEDROOM 2	3 MARCS F	Negative	0.0
1521	BASEBOARD	WOOD	A	BEDROOM 2	3 MARCS F	Negative	0.0
1522	CEILING	DRYWALL	A	BEDROOM 2	3 MARCS F	Negative	0.0
1523	CLST DOOR	WOOD	A	BEDROOM 2	3 MARCS F	Negative	0.0
1524	CLST DOOR JAMB	WOOD	A	BEDROOM 2	3 MARCS F	Negative	0.0
1525	CLST DOOR CASING	WOOD	A	BEDROOM 2	3 MARCS F	Negative	0.0
1526	FLOOR	WOOD	A	BEDROOM 2	3 MARCS F	Negative	0.0
1527	DOOR	WOOD	A	BATHROOM	3 MARCS F	Negative	0.0
1528	DOOR JAMB	WOOD	A	BATHROOM	3 MARCS F	Negative	0.0
1529	DOOR CASING	WOOD	A	BATHROOM	3 MARCS F	Negative	0.0
1530	WALL	DRYWALL	A	BATHROOM	3 MARCS F	Negative	0.0
1531	WALL	DRYWALL	B	BATHROOM	3 MARCS F	Negative	0.0
1532	WALL	DRYWALL	C	BATHROOM	3 MARCS F	Negative	0.1
1533	WALL	DRYWALL	D	BATHROOM	3 MARCS F	Negative	0.0
1534	CEILING	DRYWALL	A	BATHROOM	3 MARCS F	Negative	0.0
1535	BASEBOARD	WOOD	D	BATHROOM	3 MARCS F	Negative	0.0
1536	DOOR	WOOD	C	HALLWAY	3 MARCS F	Negative	0.0
1537	DOOR JAMB	WOOD	C	HALLWAY	3 MARCS F	Negative	0.0
1538	DOOR CASING	WOOD	C	HALLWAY	3 MARCS F	Negative	0.0
1539	WALL	DRYWALL	A	HALLWAY	3 MARCS F	Negative	0.0
1540	WALL	DRYWALL	B	HALLWAY	3 MARCS F	Negative	0.0
1541	WALL	DRYWALL	C	HALLWAY	3 MARCS F	Negative	0.0
1542	WALL	DRYWALL	D	HALLWAY	3 MARCS F	Negative	0.0
1543	BASEBOARD	WOOD	D	HALLWAY	3 MARCS F	Negative	0.0
1544	CEILING	DRYWALL	A	HALLWAY	3 MARCS F	Negative	0.0
1545	FLOOR	WOOD	A	HALLWAY	3 MARCS F	Negative	0.0
1546	CLST DOOR	METAL	A	HALLWAY	3 MARCS F	Negative	0.0

1547	CLST DOOR JAMB	WOOD	A	HALLWAY	3 MARCS F	Negative	0.0
1548	CLST DOOR CASING	WOOD	A	HALLWAY	3 MARCS F	Negative	0.0
1549	DOOR	WOOD	A	LIVING ROOM	3 MARCS F	Negative	0.0
1550	DOOR JAMB	METAL	A	LIVING ROOM	3 MARCS F	Negative	0.5
1551	DOOR CASING	METAL	A	LIVING ROOM	3 MARCS F	Negative	0.4
1552	WALL	DRYWALL	A	LIVING ROOM	3 MARCS F	Negative	0.0
1553	WALL	DRYWALL	B	LIVING ROOM	3 MARCS F	Negative	0.0
1554	WALL	DRYWALL	C	LIVING ROOM	3 MARCS F	Negative	0.0
1555	WALL	DRYWALL	D	LIVING ROOM	3 MARCS F	Negative	0.0
1556	BASEBOARD	WOOD	A	LIVING ROOM	3 MARCS F	Negative	0.0
1557	CEILING	DRYWALL	A	LIVING ROOM	3 MARCS F	Negative	0.0
1558	FLOOR	WOOD	A	LIVING ROOM	3 MARCS F	Negative	0.0
1559	WINDOW SASH	METAL	B	LIVING ROOM	3 MARCS F	Negative	0.0
1560	WINDOW CASING	WOOD	B	LIVING ROOM	3 MARCS F	Negative	0.0
1561	WINDOW SILL	WOOD	B	LIVING ROOM	3 MARCS F	Negative	0.0
1562	CLST DOOR	WOOD	C	LIVING ROOM	3 MARCS F	Negative	0.0
1563	CLST DOOR JAMB	WOOD	C	LIVING ROOM	3 MARCS F	Negative	0.0
1564	CLST DOOR CASING	WOOD	C	LIVING ROOM	3 MARCS F	Negative	0.0
1565	WALL	DRYWALL	A	KITCHEN	3 MARCS F	Negative	0.0
1566	WALL	DRYWALL	B	KITCHEN	3 MARCS F	Negative	0.0
1567	WALL	DRYWALL	C	KITCHEN	3 MARCS F	Negative	0.0
1568	WALL	DRYWALL	D	KITCHEN	3 MARCS F	Negative	0.0
1569	BASEBOARD	WOOD	C	KITCHEN	3 MARCS F	Negative	0.2
1570	CEILING	DRYWALL	A	KITCHEN	3 MARCS F	Negative	0.0
1571	CABINET	WOOD	A	KITCHEN	3 MARCS F	Negative	0.0
1572	WINDOW SASH	METAL	B	KITCHEN	3 MARCS F	Negative	0.0
1573	WINDOW CASING	WOOD	B	KITCHEN	3 MARCS F	Negative	0.0
1574	WINDOW SILL	WOOD	B	KITCHEN	3 MARCS F	Negative	0.0
1575	DOOR	WOOD	B	BEDROOM 1	5 MARCS F	Negative	0.0
1576	DOOR JAMB	WOOD	B	BEDROOM 1	5 MARCS F	Negative	0.0
1577	DOOR CASING	WOOD	B	BEDROOM 1	5 MARCS F	Negative	0.0
1578	WINDOW SASH	METAL	C	BEDROOM 1	5 MARCS F	Negative	0.0
1579	WINDOW CASING	WOOD	C	BEDROOM 1	5 MARCS F	Negative	0.0
1580	WINDOW SILL	WOOD	C	BEDROOM 1	5 MARCS F	Negative	0.0
1581	WALL	DRYWALL	A	BEDROOM 1	5 MARCS F	Negative	0.0
1582	WALL	DRYWALL	B	BEDROOM 1	5 MARCS F	Negative	0.1
1583	WALL	DRYWALL	C	BEDROOM 1	5 MARCS F	Negative	0.0
1584	WALL	DRYWALL	D	BEDROOM 1	5 MARCS F	Negative	0.0
1585	BASEBOARD	WOOD	A	BEDROOM 1	5 MARCS F	Negative	0.0
1586	CEILING	DRYWALL	B	BEDROOM 1	5 MARCS F	Negative	0.0
1587	CLST DOOR	WOOD	B	BEDROOM 1	5 MARCS F	Negative	0.0
1588	CLST DOOR JAMB	WOOD	B	BEDROOM 1	5 MARCS F	Negative	0.0
1589	CLST DOOR CASING	WOOD	B	BEDROOM 1	5 MARCS F	Negative	0.0

1590	FLOOR	WOOD	D	BEDROOM 1	5 MARCS F	Negative	0.0
1591	DOOR	WOOD	B	BEDROOM 2	5 MARCS F	Negative	0.0
1592	DOOR JAMB	WOOD	B	BEDROOM 2	5 MARCS F	Negative	0.0
1593	DOOR CASING	WOOD	B	BEDROOM 2	5 MARCS F	Negative	0.0
1594	WINDOW SASH	METAL	D	BEDROOM 2	5 MARCS F	Negative	0.0
1595	WINDOW CASING	WOOD	D	BEDROOM 2	5 MARCS F	Negative	0.0
1596	WINDOW SILL	WOOD	D	BEDROOM 2	5 MARCS F	Negative	0.0
1597	WALL	DRYWALL	A	BEDROOM 2	5 MARCS F	Negative	0.1
1598	WALL	DRYWALL	B	BEDROOM 2	5 MARCS F	Negative	0.0
1599	WALL	DRYWALL	C	BEDROOM 2	5 MARCS F	Negative	0.0
1600	WALL	DRYWALL	D	BEDROOM 2	5 MARCS F	Negative	0.0
1601	BASEBOARD	WOOD	A	BEDROOM 2	5 MARCS F	Negative	0.0
1602	CEILING	DRYWALL	A	BEDROOM 2	5 MARCS F	Negative	0.0
1603	CLST DOOR	WOOD	A	BEDROOM 2	5 MARCS F	Negative	0.0
1604	CLST DOOR JAMB	WOOD	A	BEDROOM 2	5 MARCS F	Negative	0.0
1605	CLST DOOR CASING	WOOD	A	BEDROOM 2	5 MARCS F	Negative	0.0
1606	FLOOR	WOOD	A	BEDROOM 2	5 MARCS F	Negative	0.0
1607	DOOR	WOOD	A	BATHROOM	5 MARCS F	Negative	0.0
1608	DOOR JAMB	WOOD	A	BATHROOM	5 MARCS F	Negative	0.0
1609	DOOR CASING	WOOD	A	BATHROOM	5 MARCS F	Negative	0.0
1610	WALL	DRYWALL	A	BATHROOM	5 MARCS F	Negative	0.0
1611	WALL	DRYWALL	B	BATHROOM	5 MARCS F	Negative	0.0
1612	WALL	DRYWALL	C	BATHROOM	5 MARCS F	Negative	0.0
1613	WALL	DRYWALL	D	BATHROOM	5 MARCS F	Negative	0.0
1614	CEILING	DRYWALL	A	BATHROOM	5 MARCS F	Negative	0.0
1615	BASEBOARD	WOOD	D	BATHROOM	5 MARCS F	Negative	0.0
1616	DOOR	WOOD	C	HALLWAY	5 MARCS F	Negative	0.0
1617	DOOR JAMB	WOOD	C	HALLWAY	5 MARCS F	Negative	0.0
1618	DOOR CASING	WOOD	C	HALLWAY	5 MARCS F	Negative	0.0
1619	WALL	DRYWALL	A	HALLWAY	5 MARCS F	Negative	0.0
1620	WALL	DRYWALL	B	HALLWAY	5 MARCS F	Negative	0.0
1621	WALL	DRYWALL	C	HALLWAY	5 MARCS F	Negative	0.0
1622	WALL	DRYWALL	D	HALLWAY	5 MARCS F	Negative	0.0
1623	BASEBOARD	WOOD	D	HALLWAY	5 MARCS F	Negative	0.0
1624	CEILING	DRYWALL	A	HALLWAY	5 MARCS F	Negative	0.1
1625	FLOOR	WOOD	A	HALLWAY	5 MARCS F	Negative	0.0
1626	CLST DOOR	METAL	A	HALLWAY	5 MARCS F	Negative	0.0
1627	CLST DOOR JAMB	WOOD	A	HALLWAY	5 MARCS F	Negative	0.0
1628	CLST DOOR CASING	WOOD	A	HALLWAY	5 MARCS F	Negative	0.0
1629	DOOR	WOOD	A	LIVING ROOM	5 MARCS F	Negative	0.0
1630	DOOR JAMB	METAL	A	LIVING ROOM	5 MARCS F	Negative	0.4
1631	DOOR CASING	METAL	A	LIVING ROOM	5 MARCS F	Negative	0.4
1632	WALL	DRYWALL	A	LIVING ROOM	5 MARCS F	Negative	0.0

1633	WALL	DRYWALL	B	LIVING ROOM	5 MARCS F	Negative	0.0
1634	WALL	DRYWALL	C	LIVING ROOM	5 MARCS F	Negative	0.0
1635	WALL	DRYWALL	D	LIVING ROOM	5 MARCS F	Negative	0.0
1636	BASEBOARD	WOOD	A	LIVING ROOM	5 MARCS F	Negative	0.0
1637	CEILING	DRYWALL	A	LIVING ROOM	5 MARCS F	Negative	0.0
1638	FLOOR	WOOD	A	LIVING ROOM	5 MARCS F	Negative	0.0
1639	WINDOW SASH	METAL	B	LIVING ROOM	5 MARCS F	Negative	0.0
1640	WINDOW CASING	WOOD	B	LIVING ROOM	5 MARCS F	Negative	0.0
1641	WINDOW SILL	WOOD	B	LIVING ROOM	5 MARCS F	Negative	0.0
1642	CLST DOOR	WOOD	C	LIVING ROOM	5 MARCS F	Negative	0.0
1643	CLST DOOR JAMB	WOOD	C	LIVING ROOM	5 MARCS F	Negative	0.0
1644	CLST DOOR CASING	WOOD	C	LIVING ROOM	5 MARCS F	Negative	0.0
1645	WALL	DRYWALL	A	KITCHEN	5 MARCS F	Negative	0.0
1646	WALL	DRYWALL	B	KITCHEN	5 MARCS F	Negative	0.0
1647	WALL	DRYWALL	C	KITCHEN	5 MARCS F	Negative	0.0
1648	WALL	DRYWALL	D	KITCHEN	5 MARCS F	Negative	0.0
1649	BASEBOARD	WOOD	C	KITCHEN	5 MARCS F	Negative	0.0
1650	CEILING	DRYWALL	A	KITCHEN	5 MARCS F	Negative	0.0
1651	CABINET	WOOD	A	KITCHEN	5 MARCS F	Negative	0.0
1652	WINDOW SASH	METAL	B	KITCHEN	5 MARCS F	Negative	0.0
1653	WINDOW CASING	WOOD	B	KITCHEN	5 MARCS F	Negative	0.2
1654	WINDOW SILL	WOOD	B	KITCHEN	5 MARCS F	Negative	0.0
1655	DOOR	WOOD	B	BEDROOM 1	5 MARCS D	Negative	0.0
1656	DOOR JAMB	WOOD	B	BEDROOM 1	5 MARCS D	Negative	0.0
1657	DOOR CASING	WOOD	B	BEDROOM 1	5 MARCS D	Negative	0.0
1658	WINDOW SASH	METAL	C	BEDROOM 1	5 MARCS D	Negative	0.0
1659	WINDOW CASING	WOOD	C	BEDROOM 1	5 MARCS D	Negative	0.0
1660	WINDOW SILL	WOOD	C	BEDROOM 1	5 MARCS D	Negative	0.0
1661	WALL	DRYWALL	A	BEDROOM 1	5 MARCS D	Negative	0.1
1662	WALL	DRYWALL	B	BEDROOM 1	5 MARCS D	Negative	0.0
1663	WALL	DRYWALL	C	BEDROOM 1	5 MARCS D	Negative	0.0
1664	WALL	DRYWALL	D	BEDROOM 1	5 MARCS D	Negative	0.0
1665	BASEBOARD	WOOD	A	BEDROOM 1	5 MARCS D	Negative	0.0
1666	CEILING	DRYWALL	B	BEDROOM 1	5 MARCS D	Negative	0.0
1667	CLST DOOR	WOOD	B	BEDROOM 1	5 MARCS D	Negative	0.0
1668	CLST DOOR JAMB	WOOD	B	BEDROOM 1	5 MARCS D	Negative	0.0
1669	CLST DOOR CASING	WOOD	B	BEDROOM 1	5 MARCS D	Negative	0.0
1670	FLOOR	WOOD	D	BEDROOM 1	5 MARCS D	Negative	0.0
1671	DOOR	WOOD	B	BEDROOM 2	5 MARCS D	Negative	0.0
1672	DOOR JAMB	WOOD	B	BEDROOM 2	5 MARCS D	Negative	0.0
1673	DOOR CASING	WOOD	B	BEDROOM 2	5 MARCS D	Negative	0.0
1674	WINDOW SASH	METAL	D	BEDROOM 2	5 MARCS D	Negative	0.0
1675	WINDOW CASING	WOOD	D	BEDROOM 2	5 MARCS D	Negative	0.0

1676	WINDOW SILL	WOOD	D	BEDROOM 2	5 MARCS D	Negative	0.0
1677	WALL	DRYWALL	A	BEDROOM 2	5 MARCS D	Negative	0.0
1678	WALL	DRYWALL	B	BEDROOM 2	5 MARCS D	Negative	0.1
1679	WALL	DRYWALL	C	BEDROOM 2	5 MARCS D	Negative	0.0
1680	WALL	DRYWALL	D	BEDROOM 2	5 MARCS D	Negative	0.0
1681	BASEBOARD	WOOD	A	BEDROOM 2	5 MARCS D	Negative	0.0
1682	CEILING	DRYWALL	A	BEDROOM 2	5 MARCS D	Negative	0.0
1683	CLST DOOR	WOOD	A	BEDROOM 2	5 MARCS D	Negative	0.2
1684	CLST DOOR JAMB	WOOD	A	BEDROOM 2	5 MARCS D	Negative	0.0
1685	CLST DOOR CASING	WOOD	A	BEDROOM 2	5 MARCS D	Negative	0.0
1686	FLOOR	WOOD	A	BEDROOM 2	5 MARCS D	Negative	0.0
1687	DOOR	WOOD	A	BATHROOM	5 MARCS D	Negative	0.0
1688	DOOR JAMB	WOOD	A	BATHROOM	5 MARCS D	Negative	0.0
1689	DOOR CASING	WOOD	A	BATHROOM	5 MARCS D	Negative	0.0
1690	WALL	DRYWALL	A	BATHROOM	5 MARCS D	Negative	0.0
1691	WALL	DRYWALL	B	BATHROOM	5 MARCS D	Negative	0.0
1692	WALL	DRYWALL	C	BATHROOM	5 MARCS D	Negative	0.0
1693	WALL	DRYWALL	D	BATHROOM	5 MARCS D	Negative	0.0
1694	CEILING	DRYWALL	A	BATHROOM	5 MARCS D	Negative	0.0
1695	BASEBOARD	WOOD	D	BATHROOM	5 MARCS D	Negative	0.0
1696	DOOR	WOOD	C	HALLWAY	5 MARCS D	Negative	0.0
1697	DOOR JAMB	WOOD	C	HALLWAY	5 MARCS D	Negative	0.0
1698	DOOR CASING	WOOD	C	HALLWAY	5 MARCS D	Negative	0.0
1699	WALL	DRYWALL	A	HALLWAY	5 MARCS D	Negative	0.0
1700	WALL	DRYWALL	B	HALLWAY	5 MARCS D	Negative	0.0
1701	WALL	DRYWALL	C	HALLWAY	5 MARCS D	Negative	0.0
1702	WALL	DRYWALL	D	HALLWAY	5 MARCS D	Negative	0.0
1703	BASEBOARD	WOOD	D	HALLWAY	5 MARCS D	Negative	0.0
1704	CEILING	DRYWALL	A	HALLWAY	5 MARCS D	Negative	0.0
1705	FLOOR	WOOD	A	HALLWAY	5 MARCS D	Negative	0.0
1706	CLST DOOR	METAL	A	HALLWAY	5 MARCS D	Negative	0.0
1707	CLST DOOR JAMB	WOOD	A	HALLWAY	5 MARCS D	Negative	0.0
1708	CLST DOOR CASING	WOOD	A	HALLWAY	5 MARCS D	Negative	0.0
1709	DOOR	WOOD	A	LIVING ROOM	5 MARCS D	Negative	0.0
1710	DOOR JAMB	METAL	A	LIVING ROOM	5 MARCS D	Negative	0.2
1711	DOOR CASING	METAL	A	LIVING ROOM	5 MARCS D	Negative	0.3
1712	WALL	DRYWALL	A	LIVING ROOM	5 MARCS D	Negative	0.0
1713	WALL	DRYWALL	B	LIVING ROOM	5 MARCS D	Negative	0.0
1714	WALL	DRYWALL	C	LIVING ROOM	5 MARCS D	Negative	0.0
1715	WALL	DRYWALL	D	LIVING ROOM	5 MARCS D	Negative	0.0
1716	BASEBOARD	WOOD	A	LIVING ROOM	5 MARCS D	Negative	0.0
1717	CEILING	DRYWALL	A	LIVING ROOM	5 MARCS D	Negative	0.0
1718	FLOOR	WOOD	A	LIVING ROOM	5 MARCS D	Negative	0.0

1719	WINDOW SASH	METAL	B	LIVING ROOM	5 MARCS D	Negative	0.0
1720	WINDOW CASING	WOOD	B	LIVING ROOM	5 MARCS D	Negative	0.0
1721	WINDOW SILL	WOOD	B	LIVING ROOM	5 MARCS D	Negative	0.0
1722	CLST DOOR	WOOD	C	LIVING ROOM	5 MARCS D	Negative	0.0
1723	CLST DOOR JAMB	WOOD	C	LIVING ROOM	5 MARCS D	Negative	0.0
1724	CLST DOOR CASING	WOOD	C	LIVING ROOM	5 MARCS D	Negative	0.0
1725	WALL	DRYWALL	A	KITCHEN	5 MARCS D	Negative	0.0
1726	WALL	DRYWALL	B	KITCHEN	5 MARCS D	Negative	0.0
1727	WALL	DRYWALL	C	KITCHEN	5 MARCS D	Negative	0.0
1728	WALL	DRYWALL	D	KITCHEN	5 MARCS D	Negative	0.0
1729	BASEBOARD	WOOD	C	KITCHEN	5 MARCS D	Negative	0.0
1730	CEILING	DRYWALL	A	KITCHEN	5 MARCS D	Negative	0.0
1731	CABINET	WOOD	A	KITCHEN	5 MARCS D	Negative	0.0
1732	WINDOW SASH	METAL	B	KITCHEN	5 MARCS D	Negative	0.0
1733	WINDOW CASING	WOOD	B	KITCHEN	5 MARCS D	Negative	0.0
1734	WINDOW SILL	WOOD	B	KITCHEN	5 MARCS D	Negative	0.0
1735	DOOR	WOOD	B	BEDROOM 1	20 BENS D	Negative	0.0
1736	DOOR JAMB	WOOD	B	BEDROOM 1	20 BENS D	Negative	0.0
1737	DOOR CASING	WOOD	B	BEDROOM 1	20 BENS D	Negative	0.0
1738	WINDOW SASH	METAL	C	BEDROOM 1	20 BENS D	Negative	0.0
1739	WINDOW CASING	WOOD	C	BEDROOM 1	20 BENS D	Negative	0.0
1740	WINDOW SILL	WOOD	C	BEDROOM 1	20 BENS D	Negative	0.0
1741	WALL	DRYWALL	A	BEDROOM 1	20 BENS D	Negative	0.0
1742	WALL	DRYWALL	B	BEDROOM 1	20 BENS D	Negative	0.0
1743	WALL	DRYWALL	C	BEDROOM 1	20 BENS D	Negative	0.0
1744	WALL	DRYWALL	D	BEDROOM 1	20 BENS D	Negative	0.0
1745	BASEBOARD	WOOD	A	BEDROOM 1	20 BENS D	Negative	0.0
1746	CEILING	DRYWALL	B	BEDROOM 1	20 BENS D	Negative	0.0
1747	CLST DOOR	WOOD	B	BEDROOM 1	20 BENS D	Negative	0.0
1748	CLST DOOR JAMB	WOOD	B	BEDROOM 1	20 BENS D	Negative	0.0
1749	CLST DOOR CASING	WOOD	B	BEDROOM 1	20 BENS D	Negative	0.0
1750	FLOOR	WOOD	D	BEDROOM 1	20 BENS D	Negative	0.0
1751	DOOR	WOOD	B	BEDROOM 2	20 BENS D	Negative	0.0
1752	DOOR JAMB	WOOD	B	BEDROOM 2	20 BENS D	Negative	0.0
1753	DOOR CASING	WOOD	B	BEDROOM 2	20 BENS D	Negative	0.0
1754	WINDOW SASH	METAL	D	BEDROOM 2	20 BENS D	Negative	0.0
1755	WINDOW CASING	WOOD	D	BEDROOM 2	20 BENS D	Negative	0.0
1756	WINDOW SILL	WOOD	D	BEDROOM 2	20 BENS D	Negative	0.0
1757	WALL	DRYWALL	A	BEDROOM 2	20 BENS D	Negative	0.0
1758	WALL	DRYWALL	B	BEDROOM 2	20 BENS D	Negative	0.0
1759	WALL	DRYWALL	C	BEDROOM 2	20 BENS D	Negative	0.0
1760	WALL	DRYWALL	D	BEDROOM 2	20 BENS D	Negative	0.0
1761	BASEBOARD	WOOD	A	BEDROOM 2	20 BENS D	Negative	0.0

1762	CEILING	DRYWALL	A	BEDROOM 2	20 BENS D	Negative	0.0
1763	CLST DOOR	WOOD	A	BEDROOM 2	20 BENS D	Negative	0.0
1764	CLST DOOR JAMB	WOOD	A	BEDROOM 2	20 BENS D	Negative	0.0
1765	CLST DOOR CASING	WOOD	A	BEDROOM 2	20 BENS D	Negative	0.0
1766	FLOOR	WOOD	A	BEDROOM 2	20 BENS D	Negative	0.0
1767	DOOR	WOOD	A	BATHROOM	20 BENS D	Negative	0.0
1768	DOOR JAMB	WOOD	A	BATHROOM	20 BENS D	Negative	0.0
1769	DOOR CASING	WOOD	A	BATHROOM	20 BENS D	Negative	0.0
1770	WALL	DRYWALL	A	BATHROOM	20 BENS D	Negative	0.0
1771	WALL	DRYWALL	B	BATHROOM	20 BENS D	Negative	0.0
1772	WALL	DRYWALL	C	BATHROOM	20 BENS D	Negative	0.0
1773	WALL	DRYWALL	D	BATHROOM	20 BENS D	Negative	0.0
1774	CEILING	DRYWALL	A	BATHROOM	20 BENS D	Negative	0.0
1775	BASEBOARD	WOOD	D	BATHROOM	20 BENS D	Negative	0.0
1776	DOOR	WOOD	C	HALLWAY	20 BENS D	Negative	0.0
1777	DOOR JAMB	WOOD	C	HALLWAY	20 BENS D	Negative	0.0
1778	DOOR CASING	WOOD	C	HALLWAY	20 BENS D	Negative	0.0
1779	WALL	DRYWALL	A	HALLWAY	20 BENS D	Negative	0.0
1780	WALL	DRYWALL	B	HALLWAY	20 BENS D	Negative	0.0
1781	WALL	DRYWALL	C	HALLWAY	20 BENS D	Negative	0.0
1782	WALL	DRYWALL	D	HALLWAY	20 BENS D	Negative	0.0
1783	BASEBOARD	WOOD	D	HALLWAY	20 BENS D	Negative	0.0
1784	CEILING	DRYWALL	A	HALLWAY	20 BENS D	Negative	0.0
1785	FLOOR	WOOD	A	HALLWAY	20 BENS D	Negative	0.0
1786	CLST DOOR	METAL	A	HALLWAY	20 BENS D	Negative	0.0
1787	CLST DOOR JAMB	WOOD	A	HALLWAY	20 BENS D	Negative	0.0
1788	CLST DOOR CASING	WOOD	A	HALLWAY	20 BENS D	Negative	0.0
1789	DOOR	WOOD	A	LIVING ROOM	20 BENS D	Negative	0.0
1790	DOOR JAMB	WOOD	A	LIVING ROOM	20 BENS D	Negative	0.0
1791	DOOR CASING	WOOD	A	LIVING ROOM	20 BENS D	Negative	0.0
1792	WALL	DRYWALL	A	LIVING ROOM	20 BENS D	Negative	0.0
1793	WALL	DRYWALL	B	LIVING ROOM	20 BENS D	Negative	0.0
1794	WALL	DRYWALL	C	LIVING ROOM	20 BENS D	Negative	0.0
1795	WALL	DRYWALL	D	LIVING ROOM	20 BENS D	Negative	0.0
1796	BASEBOARD	WOOD	A	LIVING ROOM	20 BENS D	Negative	0.0
1797	CEILING	DRYWALL	A	LIVING ROOM	20 BENS D	Negative	0.0
1798	FLOOR	WOOD	A	LIVING ROOM	20 BENS D	Negative	0.0
1799	WINDOW SASH	METAL	B	LIVING ROOM	20 BENS D	Negative	0.0
1800	WINDOW CASING	WOOD	B	LIVING ROOM	20 BENS D	Negative	0.0
1801	WINDOW SILL	WOOD	B	LIVING ROOM	20 BENS D	Negative	0.0
1802	CLST DOOR	WOOD	C	LIVING ROOM	20 BENS D	Negative	0.0
1803	CLST DOOR JAMB	WOOD	C	LIVING ROOM	20 BENS D	Negative	0.0
1804	CLST DOOR CASING	WOOD	C	LIVING ROOM	20 BENS D	Negative	0.0

APPENDIX A. XRF ANALYZER DATA

Bay Ridge Apartments

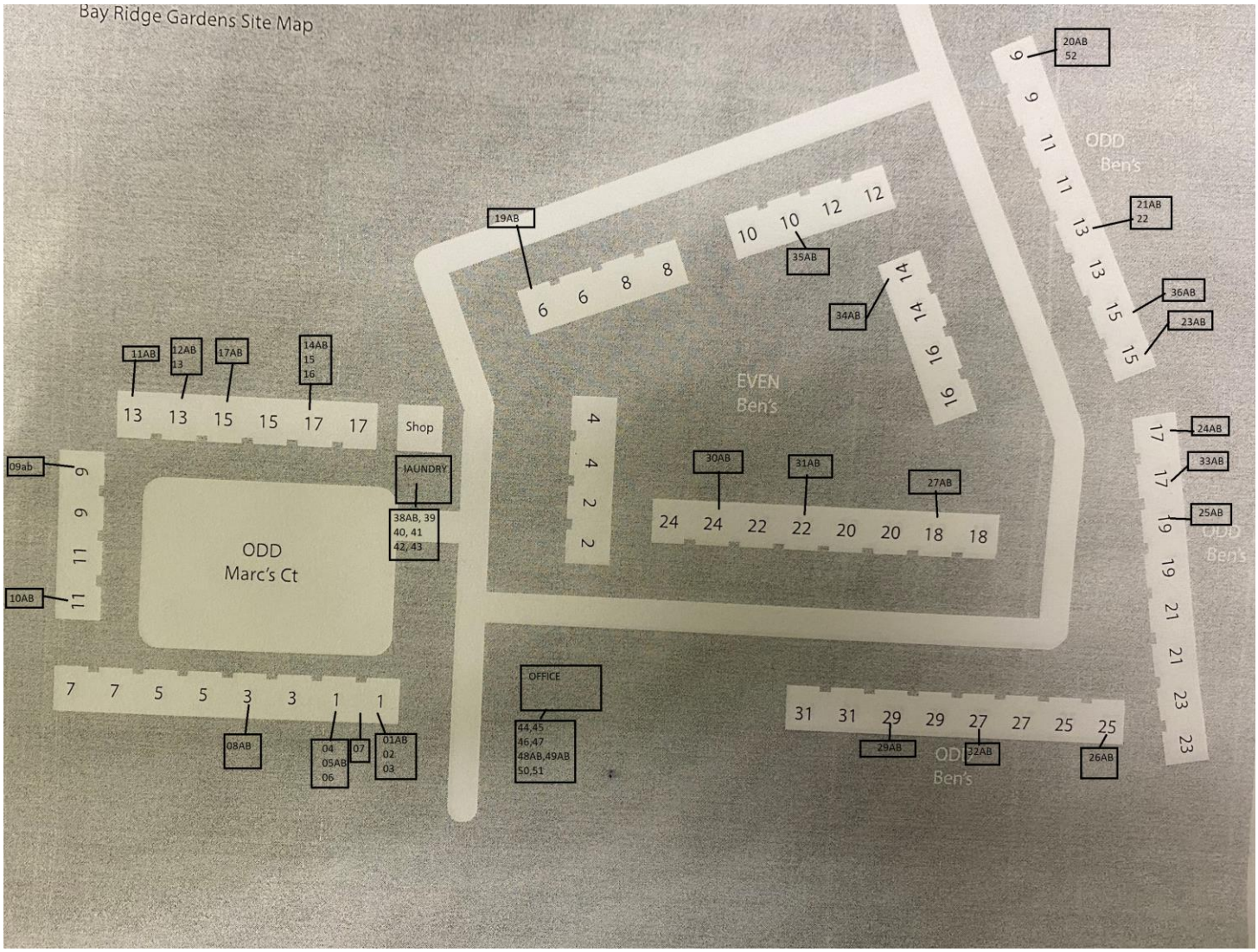
1 Bens Drive

Annapolis, Maryland

1805	WALL	DRYWALL	A	KITCHEN	20 BENS D	Negative	0.0
1806	WALL	DRYWALL	B	KITCHEN	20 BENS D	Negative	0.0
1807	WALL	DRYWALL	C	KITCHEN	20 BENS D	Negative	0.0
1808	WALL	DRYWALL	D	KITCHEN	20 BENS D	Negative	0.0
1809	BASEBOARD	WOOD	C	KITCHEN	20 BENS D	Negative	0.0
1810	CEILING	DRYWALL	A	KITCHEN	20 BENS D	Negative	0.0
1811	CABINET	WOOD	A	KITCHEN	20 BENS D	Negative	0.0
1812	WINDOW SASH	METAL	B	KITCHEN	20 BENS D	Negative	0.0
1813	WINDOW CASING	WOOD	B	KITCHEN	20 BENS D	Negative	0.0
1814	WINDOW SILL	WOOD	B	KITCHEN	20 BENS D	Negative	0.0
1815	CALIBRATE					N/A	0.9
1816	CALIBRATE					N/A	1.0
1817	CALIBRATE					N/A	1.1

CLST = Closet

APPENDIX B: UNIT DIAGRAM/SITE PLAN


Bay Ridge Gardens Site Map
20AB
52
ODD
Ben's
21AB
22
36AB
23AB
19AB
35AB
34AB
EVEN
Ben's
11AB
12AB
13
17AB
14AB
15
16
Shop
LAUNDRY
38AB, 39
40, 41
42, 43
09ab
10AB
ODD
Marc's Ct
30AB
31AB
27AB
24AB
33AB
25AB
ODD
Ben's
OFFICE
44,45
46,47
48AB,49AB
50,51
08AB
04
05AB
06
07
01AB
02
03
29AB
32AB
26AB
ODD
Ben's

Side “C”



Side “B”

Side “D”

Side “A”

APPENDIX C: CERTIFICATIONS

Asbestos License



Indira Mendez
Name

Signature

Inspector/Management Planner Review
Course Title

Course Date: 02/05/2020
Exp Date: 02/05/2021
Exam Date: 02/06/2020

2000003321

STATE OF MARYLAND

ATC
ENVIRONMENTAL · GEOTECHNICAL
BUILDING SCIENCES · MATERIALS TESTING

Approval Number: 21 14 01

Certificate of Achievement

Awarded to

Indira Sofia Mendez

In recognition of successful completion of the course entitled

ASBESTOS BUILDING INSPECTOR/MANAGEMENT PLANNER REVIEW

An 8-Hour annual refresher program of study presented in accordance with the provisions of the U.S Environmental Protection Agency Model Accreditation Plan 40 CFR Part 763, Appendix C to SUBPART E, for Accreditation under TSCA Title II

ATC
ENVIRONMENTAL · GEOTECHNICAL
BUILDING SCIENCES · MATERIALS TESTING

20-278
Certificate Number

Location: Columbia, MD

February 5, 2020
Examination Date

Clayton E. Miller Course Instructor

February 5, 2020
Course Date

February 5, 2021
Expiration Date

Carla M. Gomez Course Director

9231 Rumsey Road Columbia, Maryland 21045 410-381-0232

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

LOREN BARRETT

718 ROMANCOKE RD
STEVENSVILLE , MD 21666

has met the attendance requirements and successfully completed the course entitled

1-DAY LEAD INSPECTOR REFRESHER

This Training Meets the Certification Requirements for DC, MD & VA

01/10/2020	01/10/2020		STEVE SIERACKI
Course Date	**Exam Date**		**Principal Instructor**
1/10/2022	1/10/2023	1/10/2022	
MD Expiration Date	**VA Expiration Date**	**DC Expiration Date**	
108049	VA108049	108049	E. Rush Barrett
Certification No.	**VA Certification No.**	**DC Certification No.**	**Course Director**

DC Lead Training Provider Accreditation No. DC18-001-I-R

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

THIS IS TO CERTIFY THAT

The Vertex Companies, Inc.

HAS MET THE LEAD PAINT SERVICES ACCREDITATION REQUIREMENTS FOR

Lead Paint Inspection Contractor

EXPIRATION DATE 10 01 2020

TRAINING PROVIDER [redacted]

COURSE DATE ____/____/____

ADMINISTRATOR, LEAD PAINT ACCREDITATION
MARYLAND DEPARTMENT OF THE ENVIRONMENT

9/28/18
DATE

STATE OF MARYLAND

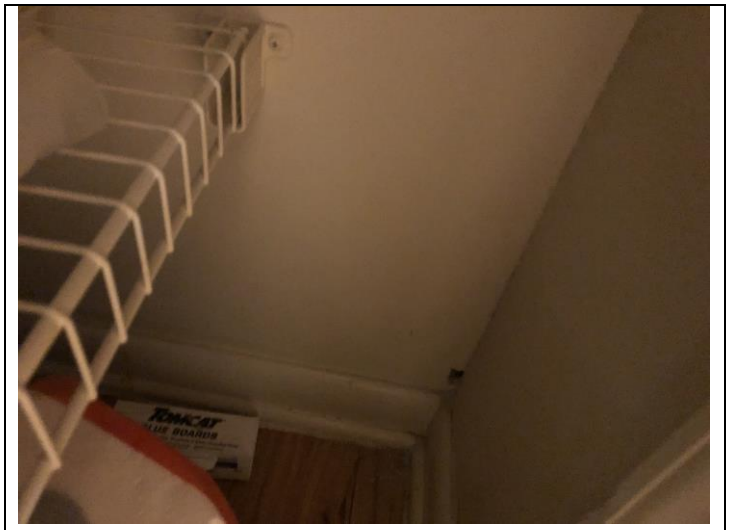
Certificate # 14754

Application for reaccreditation shall be submitted to MDE 60 days prior to accreditation expiration indicated on this certificate.

APPENDIX D: SITE PHOTOGRAPHS



1. View of Bathroom - Green Vinyl Sheet Flooring



2. View of Closet – White Joint Compound



3. View of Bathroom – Beige Vinyl Sheet Flooring



4. View of Bedroom – White Interior Window Caulking



5. View of Hallway – White Joint Compound



6. View of Stairwell – White Exterior Door Caulking – Positive ACM

APPENDIX E: XRF PERFORMANCE CHARACTERISTIC SHEET

Performance Characteristic Sheet

EFFECTIVE DATE: **September 24, 2004** **EDITION NO.: 1**

MANUFACTURER AND MODEL:

Make: *Niton LLC*

Tested Model: *XLp 300*

Source: ^{109}Cd

Note: This PCS is also applicable to the equivalent model variations indicated below, for the Lead-in-Paint K+L variable reading time mode, in the XLi and XLp series:

XLi 300A, XLi 301A, XLi 302A and XLi 303A.

XLp 300A, XLp 301A, XLp 302A and XLp 303A.

XLi 700A, XLi 701A, XLi 702A and XLi 703A.

XLp 700A, XLp 701A, XLp 702A, and XLp 703A.

Note: The XLi and XLp versions refer to the shape of the handle part of the instrument. The differences in the model numbers reflect other modes available, in addition to Lead-in-Paint modes. The manufacturer states that specifications for these instruments are identical for the source, detector, and detector electronics relative to the Lead-in-Paint mode.

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Lead-in-Paint K+L variable reading time mode.

XRF CALIBRATION CHECK LIMITS:

0.8 to 1.2 mg/cm^2 (inclusive)

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION:

For XRF results using Lead-in-Paint K+L variable reading time mode, substrate correction is <u>not</u> needed for:

Brick, Concrete, Drywall, Metal, Plaster, and Wood

INCONCLUSIVE RANGE OR THRESHOLD:

K+L MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted in August 2004 on 133 testing combinations. The instruments that were used to perform the testing had new sources; one instrument's was installed in November 2003 with 40 mCi initial strength, and the other's was installed June 2004 with 40 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

SUBSTRATE CORRECTION VALUE COMPUTATION:

Substrate correction is not needed for brick, concrete, drywall, metal, plaster or wood when using Lead-in-Paint K+L variable reading time mode, the normal operating mode for these instruments. If substrate correction is desired, refer to Chapter 7 of the HUD Guidelines for guidance on correcting XRF results for substrate bias.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use the K+L variable time mode readings.

Conduct XRF retesting at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family housing a result is defined as the average of three readings. In multifamily housing, a result is a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

TESTING TIMES:

For the Lead-in-Paint K+L variable reading time mode, the instrument continues to read until it is moved away from the testing surface, terminated by the user, or the instrument software indicates the reading is complete. The following table provides testing time information for this testing mode. The times have been adjusted for source decay, normalized to the initial source strengths as noted above. Source strength and type of substrate will affect actual testing times. At the time of testing, the instruments had source strengths of 26.6 and 36.6 mCi.

Testing Times Using K+L Reading Mode (Seconds)

	All Data			Median for laboratory-measured lead levels (mg/cm^2)		
Substrate	25^{th} Percentile	Median	75^{th} Percentile	Pb < 0.25	0.25 ≤ Pb<1.0	1.0 ≤ Pb
Wood Drywall	4	11	19	11	15	11
Metal	4	12	18	9	12	14
Brick Concrete Plaster	8	16	22	15	18	16

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than or equal to the threshold, and negative if they are less than the threshold.

DOCUMENTATION:

A document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD.

This XRF Performance Characteristic Sheet was developed by the Midwest Research Institute (MRI) and QuanTech, Inc., under a contract between MRI and the XRF manufacturer. HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

Performance Characteristic Sheet

EFFECTIVE DATE: **December 1, 2006** **EDITION NO.: 5**

MANUFACTURER AND MODEL:

Make: ***Radiation Monitoring Devices***
Model: ***LPA-1***
Source: ^{57}***Co***
Note: This sheet supersedes all previous sheets for the XRF instrument of the make, model, and source shown above ***for instruments sold or serviced after June 26, 1995. For other instruments, see prior editions.***

FIELD OPERATION GUIDANCE

OPERATING PARAMETERS:

Quick mode or 30-second equivalent standard (Time Corrected) mode readings.

XRF CALIBRATION CHECK LIMITS:

0.7 to 1.3 mg/cm^2 (inclusive)

SUBSTRATE CORRECTION:

For XRF results below 4.0 mg/cm^2, substrate correction is recommended for:

Metal using 30-second equivalent standard (Time Corrected) mode readings.
None using quick mode readings.

Substrate correction is not needed for:

Brick, Concrete, Drywall, Plaster, and Wood using 30-second equivalent standard (Time Corrected) mode readings
Brick, Concrete, Drywall, Metal, Plaster, and Wood using quick mode readings

THRESHOLDS:

30-SECOND EQUIVALENT STANDARD MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Results corrected for substrate bias on metal substrate only	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	0.9
	Plaster	1.0
	Wood	1.0

QUICK MODE READING DESCRIPTION	SUBSTRATE	THRESHOLD (mg/cm^2)
Readings not corrected for substrate bias on any substrate	Brick	1.0
	Concrete	1.0
	Drywall	1.0
	Metal	1.0
	Plaster	1.0
	Wood	1.0

BACKGROUND INFORMATION

EVALUATION DATA SOURCE AND DATE:

This sheet is supplemental information to be used in conjunction with Chapter 7 of the HUD *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing* ("HUD Guidelines"). Performance parameters shown on this sheet are calculated from the EPA/HUD evaluation using archived building components. Testing was conducted on approximately 150 test locations in July 1995. The instrument that performed testing in September had a new source installed in June 1995 with 12 mCi initial strength.

OPERATING PARAMETERS:

Performance parameters shown in this sheet are applicable only when properly operating the instrument using the manufacturer's instructions and procedures described in Chapter 7 of the HUD Guidelines.

XRF CALIBRATION CHECK:

The calibration of the XRF instrument should be checked using the paint film nearest 1.0 mg/cm^2 in the NIST Standard Reference Material (SRM) used (e.g., for NIST SRM 2579, use the 1.02 mg/cm^2 film).

If readings are outside the acceptable calibration check range, follow the manufacturer's instructions to bring the instruments into control before XRF testing proceeds.

SUBSTRATE CORRECTION VALUE COMPUTATION :

Chapter 7 of the HUD Guidelines provides guidance on correcting XRF results for substrate bias. Supplemental guidance for using the paint film nearest 1.0 mg/cm^2 for substrate correction is provided:

XRF results are corrected for substrate bias by subtracting from each XRF result a correction value determined separately in each house for single-family housing or in each development for multifamily housing, for each substrate. The correction value is an average of XRF readings taken over the NIST SRM paint film nearest to 1.0 mg/cm^2 at test locations that have been scraped bare of their paint covering. Compute the correction values as follows:

> Using the same XRF instrument, take three readings on a bare substrate area covered with the NIST SRM paint film nearest 1 mg/cm^2. Repeat this procedure by taking three more readings on a second bare substrate area of the same substrate covered with the NIST SRM.
>
> Compute the correction value for each substrate type where XRF readings indicate substrate correction is needed by computing the average of all six readings as shown below.
>
> For each substrate type (the 1.02 mg/cm^2 NIST SRM is shown in this example; use the actual lead loading of the NIST SRM used for substrate correction):
>
> Correction value = (1^{st} + 2^{nd} + 3^{rd} + 4^{th} + 5^{th} + 6^{th} *Reading*) / 6 - 1.02 mg/cm²
>
> Repeat this procedure for each substrate requiring substrate correction in the house or housing development.

EVALUATING THE QUALITY OF XRF TESTING:

Randomly select ten testing combinations for retesting from each house or from two randomly selected units in multifamily housing. Use either the Quick Mode or 30-second equivalent standard (Time Corrected) Mode readings.

Conduct XRF re-testing at the ten testing combinations selected for retesting.

Determine if the XRF testing in the units or house passed or failed the test by applying the steps below.

Compute the Retest Tolerance Limit by the following steps:

Determine XRF results for the original and retest XRF readings. Do not correct the original or retest results for substrate bias. In single-family and multi-family housing, a result is defined as a single reading. Therefore, there will be ten original and ten retest XRF results for each house or for the two selected units.

Calculate the average of the original XRF result and retest XRF result for each testing combination.

Square the average for each testing combination.

Add the ten squared averages together. Call this quantity C.

Multiply the number C by 0.0072. Call this quantity D.

Add the number 0.032 to D. Call this quantity E.

Take the square root of E. Call this quantity F.

Multiply F by 1.645. The result is the Retest Tolerance Limit.

Compute the average of all ten original XRF results.

Compute the average of all ten re-test XRF results.

Find the absolute difference of the two averages.

If the difference is less than the Retest Tolerance Limit, the inspection has passed the retest. If the difference of the overall averages equals or exceeds the Retest Tolerance Limit, this procedure should be repeated with ten new testing combinations. If the difference of the overall averages is equal to or greater than the Retest Tolerance Limit a second time, then the inspection should be considered deficient.

Use of this procedure is estimated to produce a spurious result approximately 1% of the time. That is, results of this procedure will call for further examination when no examination is warranted in approximately 1 out of 100 dwelling units tested.

BIAS AND PRECISION:

Do not use these bias and precision data to correct for substrate bias. These bias and precision data were computed without substrate correction from samples with reported laboratory results less than 4.0 mg/cm^2 lead. The data which were used to determine the bias and precision estimates given in the table below have the following properties. During the July 1995 testing, there were 15 test locations with a laboratory-reported result equal to or greater than 4.0 mg/cm^2 lead. Of these, one 30-second standard mode reading was less than 1.0 mg/cm^2 and none of the quick mode readings were less than 1.0 mg/cm^2. The instrument that tested in July is representative of instruments sold or serviced after June 26, 1995. These data are for illustrative purposes only. Actual bias must be determined on the site. Results provided above already account for bias and precision. Bias and precision ranges are provided to show the variability found between machines of the same model.

30-SECOND STANDARD MODE READING MEASURED AT	SUBSTRATE	BIAS (mg/cm^2)	PRECISION* (mg/cm^2)
0.0 mg/cm^2	Brick	0.0	0.1
	Concrete	0.0	0.1
	Drywall	0.1	0.1
	Metal	0.3	0.1
	Plaster	0.1	0.1
	Wood	0.0	0.1
0.5 mg/cm^2	Brick	0.0	0.2
	Concrete	0.0	0.2
	Drywall	0.0	0.2
	Metal	0.2	0.2
	Plaster	0.0	0.2
	Wood	0.0	0.2
1.0 mg/cm^2	Brick	0.0	0.3
	Concrete	0.0	0.3
	Drywall	0.0	0.3
	Metal	0.2	0.3
	Plaster	0.0	0.3
	Wood	0.0	0.3
2.0 mg/cm^2	Brick	-0.1	0.4
	Concrete	-0.1	0.4
	Drywall	-0.1	0.4
	Metal	0.1	0.4
	Plaster	-0.1	0.4
	Wood	-0.1	0.4

*Precision at 1 standard deviation.

CLASSIFICATION RESULTS:

XRF results are classified as positive if they are greater than the upper boundary of the inconclusive range, and negative if they are less than the lower boundary of the inconclusive range, or inconclusive if in between. The inconclusive range includes both its upper and lower bounds. Earlier editions of this *XRF Performance Characteristic Sheet* did not include both bounds of the inconclusive range as "inconclusive." While this edition of the Performance Characteristics Sheet uses a different system, the specific XRF readings that are considered positive, negative, or inconclusive for a given XRF model and substrate remain unchanged, so previous inspection results are not affected.

DOCUMENTATION:

An EPA document titled *Methodology for XRF Performance Characteristic Sheets* provides an explanation of the statistical methodology used to construct the data in the sheets, and provides empirical results from using the recommended inconclusive ranges or thresholds for specific XRF instruments. For a copy of this document call the National Lead Information Center Clearinghouse at 1-800-424-LEAD. A HUD document titled *A Nonparametric Method for Estimating the 5th and 95th Percentile Curves of Variable-Time XRF Readings Based on Monotone Regression* provides supplemental information on the methodology for variable-time XRF instruments. A copy of this document can be obtained from the HUD lead web site, www.hud.gov/offices/lead.

This XRF Performance Characteristic Sheet was developed by QuanTech, Inc., under a contract from the U.S. Department of Housing and Urban Development (HUD). HUD has determined that the information provided here is acceptable when used as guidance in conjunction with Chapter 7, Lead-Based Paint Inspection, of HUD's *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*.

Appendix L:

Radon Gas Inspection Report

September 15, 2025

Kim Dingledine BPI BA CIE EP
Hazardous Materials Manager
Dominion Due Diligence Group
201 Wylderose Drive
Midlothian, VA 23113

Re: Radon Testing – OSE Project #25-1272
Bay Ridge Gardens
1 Bens Drive, Annapolis, MD 21403

Ms. Dingledine:

One Source Environmental, LLC was engaged to conduct radon gas sampling at Bay Ridge Gardens at the location above. Radon gas sampling was conducted in representative apartment units and common areas at the subject property from September 3 to 5, 2025. This letter will summarize the locations of the radon canisters placed at the site and the radon levels found after approximately forty-eight (48) hours of exposure.

The property consists of eleven three-story townhome buildings that contains one hundred and ninety-eight (198) dwelling units and two (2) single-story ancillary buildings constructed in 1976 with renovations in 2022-2023.

- Building A (1, 3, 5, & 7 Marcs Court) contains eight (8) ground floor units, eight (8) 2nd floor units, and eight (8) 3rd floor units.
- Building B (9 & 11 Marcs Court) contains four (4) ground floor units, four (4) 2nd floor units, and four (4) 3rd floor units.
- Building C (13, 15, & 17 Marcs Court) contains six (6) ground floor units, six (6) 2nd floor units, and six (6) 3rd floor units.
- Building D (2 & 4 Bens Drive) contains four (4) ground floor units, four (4) 2nd floor units, and four (4) 3rd floor units.
- Building E (6 & 8 Bens Drive) contains four (4) ground floor units, four (4) 2nd floor units, and four (4) 3rd floor units.
- Building F (10 & 12 Bens Drive) contains four (4) ground floor units, four (4) 2nd floor units, and four (4) 3rd floor units.
- Building G (14 & 16 Bens Drive) contains four (4) ground floor units, four (4) 2nd floor units, and four (4) 3rd floor units.

- Building H (18, 20, 22, & 24 Bens Drive) contains eight (8) ground floor units, eight (8) 2nd floor units, and eight (8) 3rd floor units.
- Building I (9, 11, 13, & 15 Bens Drive) contains eight (8) ground floor units, eight (8) 2nd floor units, and eight (8) 3rd floor units.
- Building J (17, 19, 21, & 23 Bens Drive) contains eight (8) ground floor units, eight (8) 2nd floor units, and eight (8) 3rd floor units.
- Building K (25, 27, 29, & 31 Bens Drive) contains eight (8) ground floor units, eight (8) 2nd floor units, and eight (8) 3rd floor units.

As Annapolis, Maryland (Anne Arundel County) falls in the EPA's Radon Zone 2, HUD required that on-site testing for radon be performed in general accordance with AARST-ANSI Protocol for Conducting Radon and Radon Decay Product Measurements in Multifamily, School, Commercial and Mixed-Use Buildings 2023 (MA-MFLB 2023). In each of the buildings, 100% of the units on the lowest floor with dwelling units and 10% of units on all other floors were selected for testing, as well as the office and other common areas.

Quality Assurance and Quality Control (QA/QC) measurements were conducted in accordance with MA-MFLB 2023 and MS-QA 2023 to include the following:

- *Duplicate* (collocated) measurements deployed at a rate of at least 10% of the measurement locations.
    - When the average radon concentration was less than 2.0 pCi/L, there cannot be a difference between the two results of more than 1.0 pCi/L.
        - None of the eleven (11) duplicate samples differed from the initial sample by more than 1.0 pCi/L during this sampling event.

- *Blank* measurements, which are not exposed to indoor air, are collected to verify and document the absence of effects on the measurement results from sources other than the air being tested. When 50 to 180 measurement locations are present, three (3) field blanks are deployed, as well as three (3) office blanks and three (3) transit blanks.
    - The results may not be above minimum detectable concentration (MDC).
        - The thirteen (13) blank samples (including three (3) office and three (3) transit blanks), did not exceed the MDC during this sampling event.

Devices placed during this round of testing were Liquid Scintillation Bulk, NRPP Device Code 8088 and NRSB Device Code 12193, which can also be verified on the attached laboratory analysis report. The EPA Method used to analyze the tests is #402-R-92-004. This testing was conducted in accordance with the 2020 MAP Guide Chapter 9.6.3.

During radon testing lasting less than four (4) days, property management is provided with information to distribute to residents to sustain the required test conditions. The

information includes notifications explaining initiating and completing closed-building conditions twelve hours prior to the test and throughout the testing period. Responsibility for notifying residents lies with management and not the radon measurement professional. A signed copy of the responsible party notification form was not returned prior to the commencement of this testing.

Dari Kissoondath (NRSB RMT 13ST009) placed one hundred and eleven (111) canisters in eighty-nine (89) apartments and three (3) common areas on September 3, 2025; an additional six (6) canisters were used as transit and office blanks. A copy of their certification is attached. No mitigation systems were observed in the building or in the areas and units accessed. The canisters were collected on September 5, 2025. The canisters were analyzed by AccuStar in Ward Hill, MA (NRPP #101193 AL).

The canisters were placed in the living room or hall in all units tested. All test kits were placed at least one foot from an exterior wall, at least three feet from exterior openings, and more than twenty inches above the floor. If closet was used as a sampling location, the closet door was left open for the duration of the test and/or the apartment was vacant.

The weather during the testing consisted of the following according to https://www.wunderground.com/history :

- Temperature: Average mean – 76 degrees Fahrenheit (max) and 77 degrees Fahrenheit (min)
- Wind: 5 mph, average mean; 18 mph (max), 0 mph (min)/29 mph (gust, max)
- Precipitation: 0 inches
- Ground Cover: None
- No unusually severe storms or periods of unusually high winds occurred during the testing.

At the current time, the EPA states if the short-term measurement result is equal to or greater than 4.0 picoCuries per liter (pCi/L) a follow-up measurement is recommended. Follow-up measurements are conducted to confirm that radon levels are high enough to warrant mitigation.

Eighty-nine (89) apartment units and three (3) common areas had completed tests.

In accordance with Section 6.2 of AARST MA-MFLB 2023, for units where access problems, test conditions or other reasons or situation preventing achieving a valid test result, follow-up procedures shall include testing all locations that were supposed to have been tested but did not result in valid measurements. The allowances are applied for the ground-contact test locations and then for the upper floor test locations. The only exceptions are where it's been decided to proceed with mitigation or where one of the following cases are met:

- All valid measurement results at the property are less than 4.0 pCi/L and all valid measurement results in the building are less than 2.7 pCi/L, then the number of missing valid tests cannot exceed the allowance in Table 1.1.
- Any valid measurement at the property is 4.0 pCi/L or more, or where a valid measurement result in a building is 2.7 pCi/L or more, then the number of missing valid tests for the property or the building cannot exceed the allowance in Table 1.2.

Table 1.1

Test Locations:	3-5	6-10	9-11	12-16	15-20	18 or more
Allowance:	1	2	3	4	5	≤33%

Table 1.2

Test Locations:	<4	4-7	8-11	12-15	16-19	20 or more
Allowance:	0	1	2	3	4	≤25%

No allowance will be given for two side-by-side ground contact units or rooms that do not achieve a valid test.

For this property, the allowance was exceeded for the following locations: None.

None of the locations tested had short-term radon test results in excess of 4.0 pCi/L and no further action is recommended at this time.

AARST MA-MFLB 2023 recommends the following when results are returned beneath 4.0 pCi/L:

1) Consider fixing the building if test results indicate radon concentrations greater than half the action level (e.g. between 2 and 4 pCi/L).

2) Responsible care requires repeating initial testing procedures for all building(s) at least every 5 years and in conjunction with any sale of a building.

3) It is recommended to repeat testing under heating season conditions at the earliest opportunity.

4) In addition, be certain to test again when any of the following circumstances occur:
   a. A new addition is constructed or alterations for building reconfiguration or rehabilitation occur.
   b. A ground-contact area not previously tested is occupied, or a building is newly occupied.
   c. Heating or cooling systems are significantly altered, resulting in changes to air pressures or pressure relationships.

d. Ventilation is altered by extensive weatherization, changes to mechanical systems or comparable procedures.
e. Significant openings to soil occur due to:
    i. Ground water or slab surface water control systems being added or altered (e.g., sumps, perimeter drain tile, shower/tube retrofits, etc.); or
    ii. Natural settlement causing major cracks to develop.
f. Earthquakes, construction blasting, fracking or formation of sink holes nearby.
g. A mitigation system is altered, modified or repaired.

5) Should testing indicate concentrations that meet or exceed the action level, conduct evaluations and further testing until radon concentrations have been mitigated to below the action level.

The table attached provides the average level of radon gas found in each apartment and common area. There is an uncertainty with any measurement result due to statistical variations and other factors such as daily and seasonal variations in radon concentrations. Variations may be due to changes in the weather, operation of the dwelling or possible interference with the necessary test conditions. The radon testing protocol AARST MA-MFLB 2023 is primarily designed for multi-family housing with ducted, constant volume, forced-air systems with a centralized return. Other types of heating and air-conditioning systems can cause significant room-to-room variations in the radon concentrations and an adjustment to the strategy and the number of rooms tested may vary.

Also attached are copies of the analytical results from the laboratory, personnel and laboratory certifications, a sample location map, and the Maryland EPA Radon Site Map for reference. The laboratory chain of custody is available upon request.

Respectfully submitted,

Kathryn O. Hubicki
President
NRPP #108842-RMP

Radon Testing – OSE #25-1272
Bay Ridge Gardens
Annapolis MD

one source environmental

RESULTS

Device 1	Device 2	Device 1 Activity (pCi/L)	Device 2 Activity (pCi/L)	Average Activity (pCi/L)	Building	Address	Floor	Unit
5258191		0.9			A	1 Marcs Ct	1st	Unit A Living Room
5258186		0.4			A	1 Marcs Ct	1st	Unit B Living Room
5258277		0.5			A	3 Marcs Ct	1st	Unit A Living Room
5258189		<0.4			A	3 Marcs Ct	1st	Unit B Living Room
5170772		<0.4			A	5 Marcs Ct	1st	Unit A Living Room
5258257		0.5			A	5 Marcs Ct	1st	Unit B Living Room
5258248		0.5			A	7 Marcs Ct	1st	Unit A Living Room
5258225		0.5			A	7 Marcs Ct	1st	Unit B Living Room
5263229	5258194 D	0.4	0.4	0.4	A	1 Marcs Ct	2nd	Unit D Living Room
5263240	5258242 B	0.4	<0.4		A	1 Marcs Ct	3rd	Unit E Hall
5258210		<0.4			B	11 Marcs Ct	1st	Unit A Living Room
5258267		<0.4			B	11 Marcs Ct	1st	Unit B Living Room
5258275		<0.4			B	9 Marcs Ct	1st	Unit A Living Room
5258195		<0.4			B	9 Marcs Ct	1st	Unit B Living Room
5258196		<0.4			B	9 Marcs Ct	2nd	Unit C Living Room
5263234	5263231 D	<0.4	<0.4	0.4	B	11 Marcs Ct	3rd	Unit E Living Room
5258203 B		<0.4			B	11 Marcs Ct	3rd	Unit E Living Room
5258238	5263239 D	0.7	0.6	0.7	C	13 Marcs Ct	1st	Unit A Living Room
5258228	5258271 B	0.5	<0.4		C	13 Marcs Ct	1st	Unit B Living Room
5258208		<0.4			C	15 Marcs Ct	1st	Unit A Living Room
5258229		0.4			C	15 Marcs Ct	1st	Unit B Living Room
5258280		0.5			C	17 Marcs Ct	1st	Unit A Living Room
5263241		<0.4			C	17 Marcs Ct	1st	Unit B Living Room
5258206		<0.4			C	13 Marcs Ct	2nd	Unit C Living Room
5263226		<0.4			C	13 Marcs Ct	3rd	Unit E Living Room
5263228	5258222 D	0.7	1.0	0.9	D	2 Bens Drive	1st	Unit A Living Room
5258192	5258269 B	0.8	<0.4		D	2 Bens Drive	1st	Unit B Living Room
5258270		0.8			D	4 Bens Drive	1st	Unit A Living Room
5263227		0.5			D	4 Bens Drive	1st	Unit B Living Room
5258273		<0.4			D	2 Bens Drive	2nd	Unit C Living Room
5170770		<0.4			D	4 Bens Drive	3rd	Unit F Living Room
5170769	5258274 B	0.7	<0.4		E	6 Bens Drive	1st	Unit A Living Room
5258190	5258256 D	0.4	0.4	0.4	E	6 Bens Drive	1st	Unit B Living Room
5258241		<0.4			E	8 Bens Drive	1st	Unit A Living Room
5258220		<0.4			E	8 Bens Drive	1st	Unit B Living Room
5258261		<0.4			E	6 Bens Drive	2nd	Unit C Living Room

Radon Testing – OSE #25-1272
Bay Ridge Gardens
Annapolis MD

Device 1	Device 2	Device 1 Activity (pCi/L)	Device 2 Activity (pCi/L)	Average Activity (pCi/L)	Building	Address	Floor	Unit
5258227		<0.4			E	6 Bens Drive	3rd	Unit E Living Room
5258262		<0.4			F	10 Bens Drive	1st	Unit A Living Room
5258201		0.5			F	10 Bens Drive	1st	Unit B Living Room
5258278	5258266 B	<0.4	<0.4		F	12 Bens Drive	1st	Unit A Living Room
5258259		0.4			F	12 Bens Drive	1st	Unit B Living Room
5258224	5258235 D	<0.4	<0.4	0.4	F	10 Bens Drive	2nd	Unit D Living Room
5258239		<0.4			F	12 Bens Drive	3rd	Unit F Living Room
5258209		0.4			G	14 Bens Drive	1st	Unit A Living Room
5263233		0.4			G	14 Bens Drive	1st	Unit B Living Room
5263236		0.4			G	16 Bens Drive	1st	Unit A Living Room
5258197	5263225 D	0.7	0.7	0.7	G	16 Bens Drive	1st	Unit B Living Room
5258272		<0.4			G	14 Bens Drive	2nd	Unit C Living Room
5258244	5258187 B	<0.4	<0.4		G	14 Bens Drive	3rd	Unit E Living Room
5263230	5258281 D	<0.4	<0.4	0.4	H	18 Bens Drive	1st	Unit A Living Room
5258188		<0.4			H	18 Bens Drive	1st	Unit B Living Room
5258258		0.7			H	20 Bens Drive	1st	Unit A Living Room
5258199		<0.4			H	20 Bens Drive	1st	Unit B Living Room
5258283		0.4			H	22 Bens Drive	1st	Unit A Living Room
5258211		0.4			H	22 Bens Drive	1st	Unit B Living Room
5258279	5258252 D	1.4	1.1	1.3	H	24 Bens Drive	1st	Unit A Living Room
5258263		0.6			H	24 Bens Drive	1st	Unit B Living Room
5258282		0.4			H	18 Bens Drive	2nd	Unit D Living Room
5258223		0.4			H	22 Bens Drive	3rd	Unit F Living Room
5258193		1.6			I	11 Bens Drive	1st	Unit A Living Room
5258221		1.4			I	11 Bens Drive	1st	Unit B Living Room
5250643		0.6			I	13 Bens Drive	1st	Unit A Living Room
5258245		0.8			I	13 Bens Drive	1st	Unit B Living Room
5258231		1.1			I	15 Bens Drive	1st	Unit A Living Room
5258215		0.8			I	15 Bens Drive	1st	Unit B Living Room
5258265		0.6			I	9 Bens Drive	1st	Unit A Living Room
5258284		0.4			I	9 Bens Drive	1st	Unit B Living Room
5258207		0.4			I	15 Bens Drive	2nd	Unit D Living Room
5258202		0.6			I	13 Bens Drive	3rd	Unit E Living Room
5258232		0.5			J	17 Bens Drive	1st	Unit A Living Room
5258226		0.8			J	17 Bens Drive	1st	Unit B Living Room
5250645		1.3			J	19 Bens Drive	1st	Unit A Living Room
5258205		1.1			J	19 Bens Drive	1st	Unit B Living Room
5258268		1.8			J	21 Bens Drive	1st	Unit A Living Room
5258217		0.8			J	21 Bens Drive	1st	Unit B Living Room

Radon Testing – OSE #25-1272
Bay Ridge Gardens
Annapolis MD

Device 1	Device 2	Device 1 Activity (pCi/L)	Device 2 Activity (pCi/L)	Average Activity (pCi/L)	Building	Address	Floor	Unit
5258276		0.8			J	23 Bens Drive	1st	Unit A Living Room
5250690		2.2			J	23 Bens Drive	1st	Unit B Living Room
5263237		0.4			J	23 Bens Drive	2nd	Unit D Living Room
5258260		<0.4			J	21 Bens Drive	3rd	Unit E Living Room
5263238		<0.4			K	25 Bens Drive	1st	Unit A Living Room
5258219		<0.4			K	25 Bens Drive	1st	Unit B Living Room
5258185		0.5			K	27 Bens Drive	1st	Unit A Living Room
5263235		0.7			K	27 Bens Drive	1st	Unit B Living Room
5258243		0.4			K	29 Bens Drive	1st	Unit A Living Room
5258251		0.9			K	29 Bens Drive	1st	Unit B Living Room
5258240		0.5			K	31 Bens Drive	1st	Unit A Living Room
5258237		0.8			K	31 Bens Drive	1st	Unit B Living Room
5258264		<0.4			K	29 Bens Drive	2nd	Unit D Living Room
5258255		<0.4			K	31 Bens Drive	3rd	Unit E Living Room
5258212	5258249 B	0.4	<0.4			Community Room	1st	Office
5258200	5258233 D	0.4	0.4	0.4		Maintenance	1st	Shop
5258234		<0.4				Maintenance	1st	Shop
5258253	5258254 D	0.5	0.6	0.6		Rental Office	1st	Manager Office
5258230		<0.4						Office Blank
5263232		<0.4						Office Blank
5250703		<0.4						Office Blank
5250628		<0.4						Transit Blank
5250629		<0.4						Transit Blank
5250630		<0.4						Transit Blank

B = Blank D = Duplicate

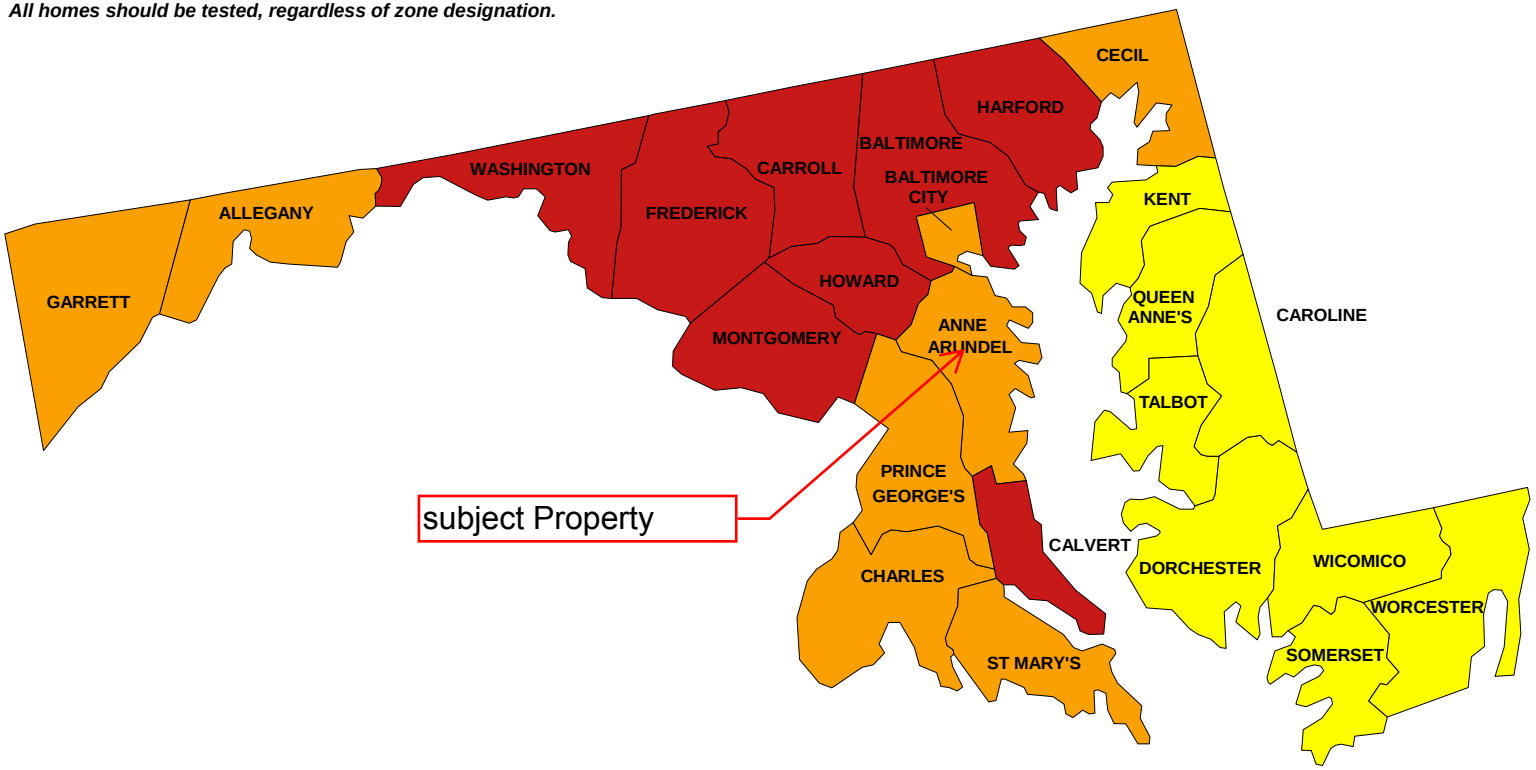
MARYLAND - EPA Map of Radon Zones

http://www.epa.gov/radon/zonemap.html

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon.

All homes should be tested, regardless of zone designation.



Zone 1 Zone 2 Zone 3

IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of Maryland" (USGS Open-file Report 93-292-C) before using this map. http://energy.cr.usgs.gov/radon/grpinfo.html This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.

ANALYTICAL RESULTS

AccuStar
Professional Radon Laboratory Services Since 1984

Radon in Air

NELAC NY 11769
NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806765	5258191	09/03/2025	9:45 am	09/05/2025	9:50 am	Bldg 1 Marcs Ct Unit A Ground Flr Living Rm	0.9
8806766	5258186	09/03/2025	9:47 am	09/05/2025	9:52 am	Bldg 1 Marcs Ct Unit B Ground Flr Living Rm	0.4
8806767	5263229	09/03/2025	9:50 am	09/05/2025	9:54 am	Building 1 Marcs Ct Unit D 2nd Floor Living Room	0.4
8806768	5258194	09/03/2025	9:50 am	09/05/2025	9:54 am	Bldg 1 Marcs Ct Unit D 2nd Flr Living Rm Dup	0.4
8806769	5263240	09/03/2025	9:52 am	09/05/2025	9:56 am	Building 1 Marcs Ct Unit E 3rd Floor Hall	0.4
8806770	5258242	09/03/2025	9:52 am	09/05/2025	9:56 am	Building 1 Marcs Ct Unit E 3rd Floor Hall Blank	< 0.4
8806771	5258277	09/03/2025	9:54 am	09/05/2025	9:58 am	Bldg 3 Marcs Ct Unit A Ground Flr Living Rm	0.5
8806772	5258189	09/03/2025	9:55 am	09/05/2025	10:00 am	Bldg 3 Marcs Ct Unit B Ground Flr Living Rm	< 0.4
8806773	5170772	09/03/2025	9:57 am	09/05/2025	10:02 am	Bldg 5 Marcs ct Unit A Ground Flr Living Rm	< 0.4
8806774	5258257	09/03/2025	9:58 am	09/05/2025	10:04 am	Bldg 5 Marcs Ct Unit B Ground Flr Living Rm	0.5
8806775	5258248	09/03/2025	10:00 am	09/05/2025	10:06 am	Bldg 7 Marcs Ct Unit A Ground Flr Living Rm	0.5

Comment: AMENDED REPORT for 5263239 on 09/12/2025 to add the date and time the test began and ended. One Source Environmental, LLC was emailed a copy of this report.

Test Performed By: Placed: Dharam Kissoondath 13ST009 Retrieved: same same

Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

Report Reviewed By: _____ Report Approved By: _____

Shawn Price, Director of Laboratory Operations, AccuStar Labs

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NELAC NY 11769
NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806776	5258225	09/03/2025	10:02 am	09/05/2025	10:08 am	Bldg 7 Marcs Ct Unit B Ground Flr Living Rm	0.5
8806777	5258275	09/03/2025	10:04 am	09/05/2025	10:10 am	Bldg 9 Marcs Ct Unit A Ground Flr Living Rm	< 0.4
8806778	5258195	09/03/2025	10:06 am	09/05/2025	10:12 am	Bldg 9 Marcs Ct Unit B Ground Flr Living Rm	< 0.4
8806779	5258196	09/03/2025	10:08 am	09/05/2025	10:15 am	Building 9 Marcs Ct Unit C 2nd Floor Living Room	< 0.4
8806780	5258210	09/03/2025	10:10 am	09/05/2025	10:17 am	Bldg 11 Marcs Ct Unit A Ground Flr Living Rm	< 0.4
8806781	5258267	09/03/2025	10:12 am	09/05/2025	10:19 am	Bldg 11 Marcs Ct Unit B Ground Flr Living Rm	< 0.4
8806782	5263234	09/03/2025	10:14 am	09/05/2025	10:21 am	Building 11 Marcs Ct Unit E 3rd Floor Living Room	< 0.4
8806783	5263231	09/03/2025	10:14 am	09/05/2025	10:21 am	Bldg 11 Marcs Ct Unit E 3rd Flr Living Rm Dup	< 0.4
8806784	5258203	09/03/2025	10:14 am	09/05/2025	10:21 am	Bldg 11 Marcs Ct Unit E 3rd Flr Living Rm Blank	< 0.4
8806785	5258238	09/03/2025	10:16 am	09/05/2025	10:23 am	Bldg 13 Marcs Ct Unit A Ground Flr Living Rm	0.7
8806786	5263238	09/03/2025	12:15 pm	09/05/2025	12:22 pm	Bldg 25 bens drive Unit A Ground Flr Living Rm	< 0.4

Comment: AMENDED REPORT for 5263239 on 09/12/2025 to add the date and time the test began and ended. One Source Environmental, LLC was emailed a copy of this report.

Test Performed By: Placed: Dharam Kissoondath 13ST009 Retrieved: same same

Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

Report Reviewed By: _____ Report Approved By: _____

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NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
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Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806787	5258228	09/03/2025	10:18 am	09/05/2025	10:25 am	Bldg 13 Marcs Ct Unit B Ground Flr Living Rm	0.5
8806788	5258271	09/03/2025	10:18 am	09/05/2025	10:25 am	Bldg 13 Marcs Ct Unit B Ground Flr Living Rm Blan	< 0.4
8806789	5258206	09/03/2025	10:20 am	09/05/2025	10:27 am	Building 13 Marcs Ct Unit C 2nd Floor Living Room	< 0.4
8806790	5263226	09/03/2025	10:22 am	09/05/2025	10:29 am	Building 13 Marcs Ct Unit E 3rd Floor Living Room	< 0.4
8806791	5258208	09/03/2025	10:24 am	09/05/2025	10:31 am	Bldg 15 Marcs Ct Unit A Ground Flr Living Rm	< 0.4
8806792	5258229	09/03/2025	10:26 am	09/05/2025	10:34 am	Bldg 15 Marcs Ct Unit B Ground Flr Living Rm	0.4
8806793	5258280	09/03/2025	10:28 am	09/05/2025	10:36 am	Bldg 17 Marcs Ct Unit A Ground Flr Living Rm	0.5
8806794	5263241	09/03/2025	10:30 am	09/05/2025	10:38 am	Bldg 17 Marcs Ct Unit B Ground Flr Living Rm	< 0.4
8806795	5263228	09/03/2025	10:35 am	09/05/2025	10:40 am	Bldg 2 Bens Drive Unit A Ground Flr Living Rm	0.7
8806796	5258222	09/03/2025	10:35 am	09/05/2025	10:40 am	Bldg 2 Bens Drive Unit A Ground Flr Living Rm Dup	1.0
8806797	5258192	09/03/2025	10:37 am	09/05/2025	10:42 am	Bldg 2 Bens Drive Unit B Ground Flr Living Rm	0.8

Comment: AMENDED REPORT for 5263239 on 09/12/2025 to add the date and time the test began and ended. One Source Environmental, LLC was emailed a copy of this report.

Test Performed By: Placed: Dharam Kissoondath 13ST009 Retrieved: same same

Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

Report Reviewed By: _____ Report Approved By: _____

Shawn Price, Director of Laboratory Operations, AccuStar Labs

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NELAC NY 11769
NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806798	5258269	09/03/2025	10:37 am	09/05/2025	10:42 am	Bldg 2 Bens Drive Unit B Ground Flr Living Rm Blan	< 0.4
8806799	5258273	09/03/2025	10:40 am	09/05/2025	10:44 am	Bldg 2 Bens Drive Unit C 2nd Flr Living Rm	< 0.4
8806800	5263227	09/03/2025	10:42 am	09/05/2025	10:46 am	Bldg 4 bens drive Unit B Ground Flr Living Rm	0.5
8806801	5258270	09/03/2025	10:45 am	09/05/2025	10:48 am	Bldg 4 bens drive Unit A Ground Flr Living Rm	0.8
8806802	5170770	09/03/2025	10:47 am	09/05/2025	10:50 am	Bldg 4 bens drive Unit F 3rd Flr Living Rm	< 0.4
8806803	5258190	09/03/2025	10:50 am	09/05/2025	10:52 am	Bldg 6 bens drive Unit B Ground Flr Living Rm	0.4
8806804	5258256	09/03/2025	10:50 am	09/05/2025	10:52 am	Bldg 6 bens drive Unit B Ground Flr Living Rm Dup	0.4
8806805	5170769	09/03/2025	10:52 am	09/05/2025	10:54 am	Bldg 6 bens drive Unit A Ground Flr Living Rm	0.7
8806806	5258274	09/03/2025	10:52 am	09/05/2025	10:54 am	Bldg 6 bens drive Unit A Ground Flr Living Rm Blan	< 0.4
8806807	5258261	09/03/2025	10:54 am	09/05/2025	10:56 am	Bldg 6 bens drive Unit C 2nd Flr Living Rm	< 0.4
8806808	5258227	09/03/2025	10:56 am	09/05/2025	10:58 am	Bldg 6 bens drive Unit E 3rd Flr Living Rm	< 0.4

Comment: AMENDED REPORT for 5263239 on 09/12/2025 to add the date and time the test began and ended. One Source Environmental, LLC was emailed a copy of this report.

Test Performed By: Placed: Dharam Kissoondath 13ST009 Retrieved: same same

Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

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Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806809	5258220	09/03/2025	10:58 am	09/05/2025	11:00 am	Bldg 8 bens drive Unit B Ground Flr Living Rm	< 0.4
8806810	5258241	09/03/2025	11:00 am	09/05/2025	11:04 am	Bldg 8 bens drive Unit A Ground Flr Living Rm	< 0.4
8806811	5258224	09/03/2025	11:02 am	09/05/2025	11:08 am	Bldg 10 bens drive Unit D 2nd Flr Living Rm	< 0.4
8806812	5258235	09/03/2025	11:02 am	09/05/2025	11:08 am	Bldg 10 bens drive Unit D 2nd Flr Living Rm Dup	< 0.4
8806813	5258262	09/03/2025	11:05 am	09/05/2025	11:10 am	Bldg 10 bens drive Unit A Ground Flr Living Rm	< 0.4
8806814	5258201	09/03/2025	11:07 am	09/05/2025	11:12 am	Bldg 10 bens drive Unit B Ground Flr Living Rm	0.5
8806815	5258259	09/03/2025	11:09 am	09/05/2025	11:15 am	Bldg 12 Bens drive Unit B Ground Flr Living Rm	0.4
8806816	5258278	09/03/2025	11:11 am	09/05/2025	11:17 am	Bldg 12 Bens drive Unit A Ground Flr Living Rm	< 0.4
8806817	5258266	09/03/2025	11:11 am	09/05/2025	11:17 am	Bldg 12 Bens dr Unit A Ground Flr Living Rm Blank	< 0.4
8806818	5258239	09/03/2025	11:13 am	09/05/2025	11:20 am	Bldg 12 Bens drive Unit F 3rd Flr Living Rm	< 0.4
8806819	5263233	09/03/2025	11:15 am	09/05/2025	11:22 am	Bldg 14 bens drive Unit B Ground Flr Living Rm	0.4

Comment: AMENDED REPORT for 5263239 on 09/12/2025 to add the date and time the test began and ended. One Source Environmental, LLC was emailed a copy of this report.

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Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

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Laboratory Report for:

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3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806820	5258209	09/03/2025	11:17 am	09/05/2025	11:25 am	Bldg 14 bens drive Unit A Ground Flr Living Rm	0.4
8806821	5258272	09/03/2025	11:19 am	09/05/2025	11:27 am	Bldg 14 bens drive Unit C 2nd Flr Living Rm	< 0.4
8806822	5258244	09/03/2025	11:22 am	09/05/2025	11:30 am	Bldg 14 bens drive Unit E 3rd Flr Living Rm	< 0.4
8806823	5258187	09/03/2025	11:22 am	09/05/2025	11:30 am	Bldg 14 bens drive Unit E 3rd Flr Living Rm Blank	< 0.4
8806824	5263236	09/03/2025	11:25 am	09/05/2025	11:32 am	Bldg 16 bens drive Unit A Ground Flr Living Rm	0.4
8806825	5258197	09/03/2025	11:27 am	09/05/2025	11:34 am	Bldg 16 bens drive Unit B Ground Flr Living Rm	0.7
8806826	5263225	09/03/2025	11:27 am	09/05/2025	11:34 am	Bldg 16 bens drive Unit B Ground Flr Living Rm Du	0.7
8806827	5263230	09/03/2025	11:30 am	09/05/2025	11:36 am	Bldg 18 bens dr Unit A Ground Flr Living Rm	< 0.4
8806828	5258281	09/03/2025	11:30 am	09/05/2025	11:36 am	Bldg 18 bens dr Unit A Ground Flr Living Rm Dup	< 0.4
8806829	5258188	09/03/2025	11:32 am	09/05/2025	11:38 am	Bldg 18 bens drive Unit B Ground Flr Living Rm	< 0.4
8806830	5258282	09/03/2025	11:35 am	09/05/2025	11:40 am	Bldg 18 bens drive Unit D 2nd Flr Living Rm	0.4

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Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

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NELAC NY 11769
NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806831	5258199	09/03/2025	11:37 am	09/05/2025	11:42 am	Bldg 20 bens drive Unit B Ground Flr Living Rm	< 0.4
8806832	5258258	09/03/2025	11:40 am	09/05/2025	11:44 am	Bldg 20 bens drive Unit A Ground Flr Living Rm	0.7
8806833	5258283	09/03/2025	11:42 am	09/05/2025	11:46 am	Bldg 22 bens drive Unit A Ground Flr Living Rm	0.4
8806834	5258211	09/03/2025	11:45 am	09/05/2025	11:50 am	Bldg 22 bens drive Unit B Ground Flr Living Rm	0.4
8806835	5258223	09/03/2025	11:47 am	09/05/2025	11:52 am	Bldg 22 bens drive Unit F 3rd Flr Living Rm	0.4
8806836	5258279	09/03/2025	11:50 am	09/05/2025	11:55 am	Bldg 24 bens dr Unit A Ground Flr Living Rm	1.4
8806837	5258252	09/03/2025	11:50 am	09/05/2025	11:55 am	Bldg 24 bens dr Unit A Ground Flr Living Rm Dup	1.1
8806838	5258263	09/03/2025	11:52 am	09/05/2025	11:58 am	Bldg 24 bens drive Unit B Ground Flr Living Rm	0.6
8806839	5258237	09/03/2025	11:55 am	09/05/2025	12:01 pm	Bldg 31 bens drive Unit B Ground Flr Living Rm	0.8
8806840	5258240	09/03/2025	11:58 am	09/05/2025	12:04 pm	Bldg 31 bens drive Unit A Ground Flr Living Rm	0.5
8806841	5258255	09/03/2025	12:01 pm	09/05/2025	12:06 pm	Bldg 31 bens drive Unit E 3rd Flr Living Rm	< 0.4

Comment: AMENDED REPORT for 5263239 on 09/12/2025 to add the date and time the test began and ended. One Source Environmental, LLC was emailed a copy of this report.

Test Performed By: Placed: Dharam Kissoondath 13ST009 Retrieved: same same

Distributed by: One Source Environmental, LLC

Date Received: 09/08/2025 Date Logged: 09/08/2025 Date Analyzed: 09/09/2025 Date Reported: 09/09/2025

Report Reviewed By: _____ Report Approved By: _____

Shawn Price, Director of Laboratory Operations, AccuStar Labs

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Property Tested: Project # 25-1272

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1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806842	5258251	09/03/2025	12:00 pm	09/05/2025	12:08 pm	Bldg 29 bens drive Unit B Ground Flr Living Rm	0.9
8806843	5258243	09/03/2025	12:04 pm	09/05/2025	12:10 pm	Bldg 29 bens drive Unit A Ground Flr Living Rm	0.4
8806844	5258264	09/03/2025	12:05 pm	09/05/2025	12:13 pm	Bldg 29 bens drive Unit D 2nd Flr Living Rm	< 0.4
8806845	5263235	09/03/2025	12:07 pm	09/05/2025	12:15 pm	Bldg 27 bens drive Unit B Ground Flr Living Rm	0.7
8806846	5258185	09/03/2025	12:10 pm	09/05/2025	12:17 pm	Bldg 27 bens drive Unit A Ground Flr Living Rm	0.5
8806847	5258219	09/03/2025	12:12 pm	09/05/2025	12:20 pm	Bldg 25 bens drive Unit B Ground Flr Living Rm	< 0.4
8806848	5250690	09/03/2025	12:17 pm	09/05/2025	12:24 pm	Bldg 23 bens drive Unit B Ground Flr Living Rm	2.2
8806849	5258276	09/03/2025	12:20 pm	09/05/2025	12:26 pm	Bldg 23 bens drive Unit A Ground Flr Living Rm	0.8
8806850	5263237	09/03/2025	12:23 pm	09/05/2025	12:29 pm	Bldg 23 bens drive Unit D Ground Flr Living Rm	0.4
8806851	5258260	09/03/2025	12:25 pm	09/05/2025	12:31 pm	Bldg 21 bens drive Unit E 3rd Flr Living Rm	< 0.4
8806852	5258217	09/03/2025	12:27 pm	09/05/2025	12:34 pm	Bldg 21 bens drive Unit B Ground Flr Living Rm	0.8

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NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
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Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806853	5258268	09/03/2025	12:30 pm	09/05/2025	12:36 pm	Bldg 21 bens drive Unit A Ground Flr Living Rm	1.8
8806854	5258205	09/03/2025	12:33 pm	09/05/2025	12:38 pm	Bldg 19 bens drive Unit B Ground Flr Living Rm	1.1
8806855	5250645	09/03/2025	12:35 pm	09/05/2025	12:40 pm	Bldg 19 bens drive Unit A Ground Flr Living Rm	1.3
8806856	5258232	09/03/2025	12:37 pm	09/05/2025	12:42 pm	Bldg 17 bens drive Unit A Ground Flr Living Rm	0.5
8806857	5258226	09/03/2025	12:40 pm	09/05/2025	12:45 pm	Bldg 17 bens drive Unit B Ground Flr Living Rm	0.8
8806858	5258231	09/03/2025	12:42 pm	09/05/2025	12:47 pm	Bldg 15 bens drive Unit A Ground Flr Living Rm	1.1
8806859	5258215	09/03/2025	12:45 pm	09/05/2025	12:51 pm	Bldg 15 bens drive Unit B Ground Flr Living Rm	0.8
8806860	5258207	09/03/2025	12:47 pm	09/05/2025	12:53 pm	Bldg 15 bens drive Unit D 2nd Flr Living Rm	0.4
8806861	5250643	09/03/2025	12:50 pm	09/05/2025	12:55 pm	Bldg 13 bens drive Unit A Ground Flr Living Rm	0.6
8806862	5258245	09/03/2025	12:52 pm	09/05/2025	12:57 pm	Bldg 13 bens drive Unit B Ground Flr Living Rm	0.8
8806863	5258202	09/03/2025	12:55 pm	09/05/2025	1:00 pm	Bldg 13 bens drive Unit E 3rd Flr Living Rm	0.6

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EPA Method #402-R-92-004
Liquid Scintillation
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Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806864	5258221	09/03/2025	12:57 pm	09/05/2025	1:02 pm	Bldg 11 bens drive Unit B Ground Flr Living Rm	1.4
8806865	5258193	09/03/2025	1:00 pm	09/05/2025	1:05 pm	Bldg 11 bens drive Unit A Ground Flr Living Rm	1.6
8806866	5258265	09/03/2025	1:03 pm	09/05/2025	1:07 pm	Bldg 9 bens drive Unit A Ground Flr Living Rm	0.6
8806867	5258284	09/03/2025	1:05 pm	09/05/2025	1:10 pm	Bldg 9 bens drive Unit B Ground Flr Living Rm	0.4
8806868	5258200	09/03/2025	1:10 pm	09/05/2025	1:15 pm	Building maintenance Floor shop	0.4
8806869	5258233	09/03/2025	1:10 pm	09/05/2025	1:15 pm	Building maintenance Floor shop Duplicate	0.4
8806870	5258234	09/03/2025	1:10 pm	09/05/2025	1:15 pm	Building maintenance Floor shop	< 0.4
8806871	5258212	09/03/2025	1:15 pm	09/05/2025	1:20 pm	Building community room Floor office	0.4
8806872	5258249	09/03/2025	1:15 pm	09/05/2025	1:20 pm	Building community room Floor office Blank	< 0.4
8806873	5258253	09/03/2025	1:20 pm	09/05/2025	1:25 pm	Building rental office Floor mgr office	0.5
8806874	5258254	09/03/2025	1:20 pm	09/05/2025	1:25 pm	Building rental office Floor mgr office Duplicate	0.6

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AccuStar
Professional Radon Laboratory Services Since 1984

Radon in Air

NELAC NY 11769
NRPP 101193 AL
NRSB ARL0017

EPA Method #402-R-92-004
Liquid Scintillation
NRPP Device Code 8088
NRSB Device Code 12193

Laboratory Report for:

One Source Environmental, LLC
3717 Latrobe Drive Suite 760
Charlotte NC 28211

Property Tested: Project # 25-1272

Bay Ridge Gardens Apartments
1 Bens Drive
Annapolis MD 21403

Log Number	Device Number	Test Exposure Duration				Area Tested	Result pCi/L
8806875	5258230	09/03/2025	9:30 am	09/05/2025	9:35 am	Building office blank	< 0.4
8806876	5263232	09/03/2025	9:32 am	09/05/2025	9:37 am	Building office blank	< 0.4
8806877	5263239	09/03/2025	10:16 am	09/05/2025	10:23 am	Bldg 13 Marcs Ct Unit A Ground Flr Living Rm Dup	0.6

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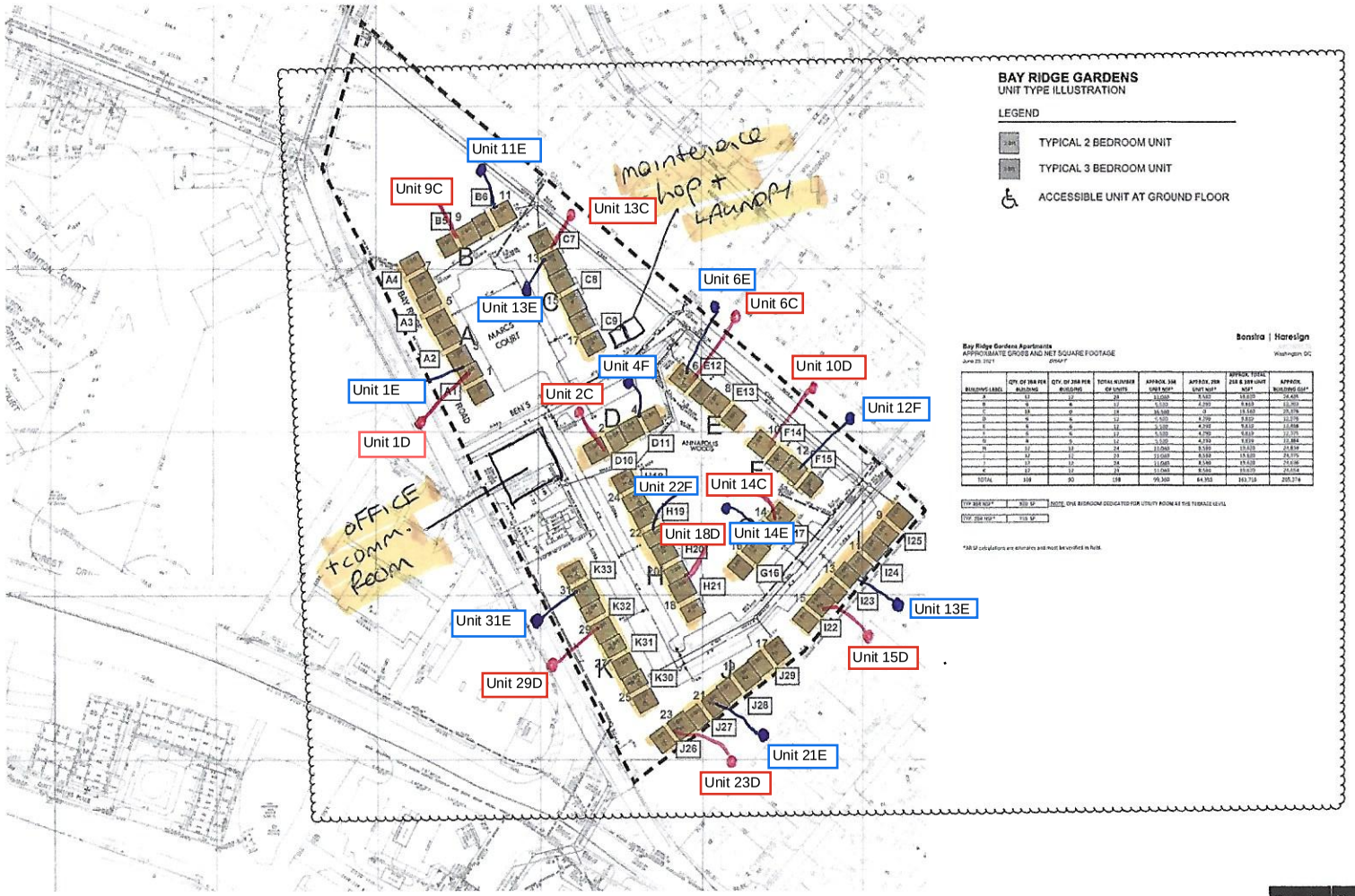
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SITE PLAN

100% ground Floor units tested

2ND FLOOR UNITS TESTED

3RD FLOOR UNITS TESTED



BAY RIDGE GARDENS
UNIT TYPE ILLUSTRATION

LEGEND

- TYPICAL 2 BEDROOM UNIT
- TYPICAL 3 BEDROOM UNIT
- ACCESSIBLE UNIT AT GROUND FLOOR

Bonstra | Haresign

Bay Ridge Gardens Apartments
APPROXIMATE GROSS AND NET SQUARE FOOTAGE
June 25, 2021 DRAFT
Washington DC

BUILDING LABEL	QTY. OF 3BR PER BUILDING	QTY. OF 2BR PER BUILDING	TOTAL NUMBER OF UNITS	APPROX. 3BR UNIT NSF*	APPROX. 2BR UNIT NSF*	APPROX. TOTAL 2BR & 3BR UNIT NSF*	APPROX. BUILDING GSF*
A	12	12	24	11,040	9,360	18,600	24,405
B	9	8	17	8,130	6,960	15,090	19,903
C	18	0	18	16,560	0	16,560	21,376
D	9	3	12	8,505	2,790	11,295	14,576
E	9	3	12	8,505	2,790	11,295	14,576
F	6	6	12	5,520	4,680	10,200	13,165
G	9	5	14	8,505	3,720	12,225	15,776
H	12	12	24	11,040	9,360	20,400	26,330
I	12	12	24	11,040	9,360	20,400	26,330
J	12	12	24	11,040	9,360	20,400	26,330
K	12	12	24	11,040	9,360	20,400	26,330
TOTAL	108	90	198	99,360	84,360	183,720	237,174

TYP 3BR NSF* [redacted] NOTE: ONE BEDROOM DEDICATED FOR UTILITY ROOM AT THE TERRACE LEVEL
TYP 2BR NSF* [redacted]

*All SF calculations are estimates and must be verified in field.

BAY RIDGE GARDENS APARTMENTS
1 BENS DR ANNAPOLIS, MD 21403

COMPANY NAME
COMPANY NAME
ADDRESS
ADDRESS
ADDRESS
ADDRESS

REVISIONS

DATE: 09/15/21
PROJECT NO: 2019-204
DRAWN BY: Author
CHECKED BY: Checker

Bonstra | Haresign ARCHITECTS

SITE ILLUSTRATION

CS0006

© 2019 - Bonstra | Haresign Architects

CERTIFICATIONS

THE NATIONAL RADON SAFETY BOARD

Certified Radon Professionals

Certifies that

Dharam Kissoondath

Has Successfully Met The Established & Published Requirements for Certification by The National Radon Safety Board as a

Radon Measurement Technician

13ST009

Certification Number

12/30/2025

Expiration Date

This certificate is the property of The National Radon Safety Board

National Radon Safety Board
NRSB
Certified Radon Professionals

Kathryn O. Hubicki

Has satisfactorily fulfilled the requirements set forth by the
National Radon Proficiency Program and is therefore certified as a:

Radon Measurement Professional

with Standard Services

NRPP ID 108842-RMP
Issued On: 2024-10-17 Expires: 2026-10-31

Valid for specific activities or measurement devices, which can be verified with NRPP. State and local agencies may have additional requirements.

In witness Whereof,
I have subscribed my name as a
Representative of NRPP

Ashley Falco
Chair, Certification Council

Shawn Price

AccuStar Labs

Has satisfactorily fulfilled the requirements set forth by the
National Radon Proficiency Program and is therefore certified as a:

Analytical Laboratory

NRPP ID 101193-AL
Issued On: 2025-05-09 Expires: 2027-05-31

Valid for specific activities or measurement devices, which can be verified with NRPP. State and local agencies may have additional requirements.



In witness Whereof,
I have subscribed my name as a
Representative of NRPP

Ashley Falco
Chair, Certification Council

National Radon Proficiency Program

5/9/2025

Shawn Price
AccuStar Labs
2 Saber Way
Ward Hill, MA 01835-8000

Analytical Laboratory

NRPP Certification Number: 101193 AL

NRPP Expiration Date: 05/31/2027

The firm and/or individual referenced above has met the requirements for certification as an Analytical Laboratory with the National Radon Proficiency Program. Certification has been granted for the specific measurement devices listed below. Verification of adherence to state and local regulations is advised.

Additionally, as an NRPP-approved analytical laboratory, your company has access to the NRPP logos for professional use. Please click here to read the logo usage policy, and see attached for the analytical laboratory logo file.

Comments:

LS-8088 Accustar CLS-2
AC-1159 AccuStar PicoCan-400
AC-8200 Air Chek Foil Bag
AC-1165 AccuStar PicoCan 400DB
AC-8201 Air Chek Pro Chek
AC-2014 F & J R40VDB
AT-8205 REM AT-100
AC-6048 AccuStar PicoCan-275

Best Regards,

Christina Johnson
NRPP Credentialing Manager

Appendix M:

Asbestos Inspection Report prepared by OSE

ASBESTOS INSPECTION REPORT

Bay Ridge Gardens Apartments

1 Bens Drive
Annapolis, Maryland 21403

Prepared for:

Dominion Due Diligence Group.

201 Wylderose Drive
Midlothian, Virginia 23113

Inspection Dates: September 3, 5, and 18, 2025
Report Date: September 24, 2025

Inspected by:



Timothy Redmond
Maryland Accredited Asbestos Building Inspector #: 250001068
(Expires on 4/11/2026)

OSE Project Number: 25-1272-A
D3G Project Number: 2025-1713

Table of Contents

SECTION PAGE

EXECUTIVE SUMMARY....1

ASBESTOS SURVEY

Introduction....3
Project Description
Sampled Suspect Asbestos Containing Materials – Negative

Sampling and Analytical Procedures....4

Findings....5

Conclusions and Recommendations....5

Disclaimer....7

Sample Summary Table....8

APPENDICES

A - Asbestos Bulk Sample Laboratory Results and Chain of Custody Forms

B - Photographs

C - Sample Location Diagrams

D - Employee & Laboratory Accreditations

EXECUTIVE SUMMARY

One Source Environmental, LLC has contracted with Dominion Due Diligence Group (Client) to conduct an asbestos inspection of Bay Ridge Gardens Apartments, leasing office located at 1 Bens Drive - Annapolis, MD 21403. The objective of the survey was to provide documentation to the Client consisting of a representative testing of suspected asbestos-containing materials (ACMs) throughout the site, prior to planned renovation activities.

Inspection activities were performed on September 3rd, 5th, and 18th, 2025, by Mr. Timothy Redmond, assisted by Mr. Steven Agerbeek, both are Maryland Department of the Environment (MDE) and U.S. EPA accredited Asbestos Building Inspectors. Copies of their current accreditations are enclosed in Appendix D.

Inspection, sampling, material condition assessments, and analytical procedures for asbestos-containing building materials were performed in general accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) - EPA Title 40, Code of Federal Regulations (CFR), Part 61 Subpart M (40 CFR Part 61, Subpart M), the EPA AHERA regulation (40 CFR Part 763), the Code of Maryland Regulations – Control of Asbestos (COMAR 26.11.21), In addition, sampling was conducted in general accordance with practices described within the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E2356-18 (ASTM E 2356-18) for pre-renovation/demolition surveys.

A total of ninety-two (92) bulk samples with one-hundred sixteen (116) sample layers were analyzed by Polarized Light Microscopy (PLM). Twenty-two (22) bulk samples of non-organically bound (NOB) materials were additionally analyzed by Transmission Electron Microscopy (TEM) to complete the inspection.

Asbestos Containing Materials (>1%) were identified at the Property as follows:

Bay Ridge Gardens Apartments - 1 Bens Drive Annapolis, MD 21403					
Material	Locations	Percentage/Type	Material Condition	Approx. Quantity	NESHAP Category
Exterior White Door Caulking – Bottom Layer	Exterior Door Openings Throughout Property	4% Chrysotile	Good	238 Door Openings at 17 LF Each	Category II

Note:

Fire Door/Door Frame Insulation at may contain asbestos – These materials was not sampled, as sampling would require destructive methods that void warranties and/or fire ratings. Destructive testing should be performed if the Fire Doors/Door Frames will be disturbed or disposed of.

Asbestos containing material (ACM) as defined by MDE, EPA, and OSHA are materials with an asbestos concentration of greater than 1% (>1%) as analyzed by polarized light microscopy (PLM). In addition, ACM is designated as follows for NESHAP compliance:

Friable asbestos - material which can be crumbled, pulverized or reduced to powder by hand pressure, a.k.a. Regulated Asbestos Containing Materials (RACM)

Category I non-friable - includes resilient floor coverings, asphalt roofing products, gaskets and packings.

Category II non-friable - any non-friable ACM that is not in Category I.

All quantities listed in this report are approximate and should be verified prior to bidding on or performing work at the Property. This report is not intended for and may not be utilized as a bidding document or as an abatement project specification document.

INTRODUCTION

An asbestos survey was completed for Dominion Due Diligence Group (Client) on September 3rd, 5th, and 18th, 2025, of Bay Ridge Gardens Apartments leasing office located at 1 Bens Drive - Annapolis, MD 21403 by One Source Environmental, LLC. The inspection included interior and exterior building materials.

Mr. Timothy Redmond, assisted by Mr. Steven Agerbeek, both Maryland Department of the Environment (MDE) and U.S. EPA accredited Asbestos Building Inspectors performed the inspection. Copies of their current accreditations are enclosed in Appendix D.

PROJECT DESCRIPTION

The site consists of one-hundred eighty-nine (189) two and three bedroom apartment dwelling units within thirteen (13) Buildings with thirty-two (32) Stairwells. There is also a Community Center and Leasing Office in the Common Areas of the Property. OSE entered approximately half of the Dwelling Units and all accessible common and exterior areas. The property was reportedly constructed in 1976 with renovations conducted in 2022/2023.

SAMPLED SUSPECT ASBESTOS CONTAINING MATERIALS - NEGATIVE

Samples of the following suspect materials were collected and found to be Negative for asbestos:

Bay Ridge Gardens Apartments - 1 Bens Drive Annapolis, MD 21403	
Drywall & Joint Compound Wall and Ceiling Systems Throughout Property	Various Vinyl Floor Coverings & Associated Mastics Throughout Property
Ceramic Wall Tile Thinset & Grout Kitchens Throughout Property	Ceramic Floor Tile Grout Bathrooms Throughout Property
4" Blue & Brown Cove Bases & Mastics Leasing and Community Centers	Interior & Exterior Window Caulks Throughout Property
Tub Caulk Bathrooms Throughout Property	2'x 2' Pinhole Fissure Ceiling Tile Leasing and Community Centers
Stair Stringer Caulk Breezeways Throughout Property	Red Firestopping Caulk Wall & Ceiling Penetrations Throughout Property
Brick Mortar Exterior Throughout Property	Roof Shingles Roofs Throughout
Roof Felt Membrane Roofs Throughout	Roof Flashing Caulk Roofs Perimeters Throughout

See Sample Summary Table below for all sample results and Appendix A for the Lab Reports.

SAMPLING AND ANALYTICAL PROCEDURES

Sampling Procedures

Representative bulk samples of suspect ACMs were randomly collected from the interior and exterior of the inspected property. Homogenous material determinations were assessed based on the following criteria:

- Similar physical characteristics (same color and texture, etc.);
- Application (sprayed-on, troweled-on, assembly into a system, etc.); and
- Material function (thermal insulation, floor tile, wall or ceiling system, etc.).

Once collected, all bulk samples were appropriately labeled and shipped to an accredited analytical laboratory for analysis. All sampled building materials were also characterized for condition and approximate quantity on-site during the inspection(s).

PLM/TEM Analysis Methodology

Laboratory services were provided by AmeriSci Richmond, located in Midlothian, VA, a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory (NVLAP #101904-0). See Appendix D for a copy of their certification.

Each bulk sample was analyzed by polarized light microscopy (PLM) in accordance with the United State Environmental Protection Agency's (EPA's) Test Methods: Methods for the determination of Asbestos in Bulk Building Materials (EPA 600/M4-82-020, July 1993) and the McCrone Research Institute's The Asbestos Particle Atlas. Additional treatment(s) and test(s) were performed as required to accurately define material composition (i.e. ashing, extraction, acetone treatment, point counting, and/or transmission electron microscopy [TEM]).

Analysis consisted of using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. All samples were analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, cellulose, etc.), and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample.

HUD, under ASTM standards requires that any nonfriable organically bound (NOB) material that is suspect to contain asbestos, such as floor tiles, roofing material, and caulking must have one sample (from each layer) analyzed by transmission electron microscopy (TEM) analysis if polarized light microscopy (PLM) analyses indicate that no asbestos was detected in the samples of the material analyzed by PLM.

FINDINGS

Interpretation of Asbestos Results

Federal OSHA, MDE, and the U.S. EPA define an ACM as any material containing >1% asbestos. The lower limit of reliable detection for friable asbestos using the PLM analytical method is 1.0% by volume.

The following material contain Asbestos in concentrations exceeding 1%:

Material	Location
Exterior White Door Caulking Bottom Layer	Exterior Door Openings Throughout Property

Fire Door/Door Frame Insulation at the Laundry Room may contain asbestos – The material was not sampled, as sampling would require destructive methods that void warranties and/or fire ratings – Destructive testing should be performed if the Fire Door will be disturbed or disposed of.

CONCLUSIONS AND RECOMMENDATIONS

Results of analysis confirmed asbestos was identified in concentrations greater than 1% within some of the bulk samples collected and assumed asbestos was identified at the Property. The materials that are or may become friable during renovation or demolition activities must be removed prior to their disturbance using OSHA and MDE asbestos abatement procedures.

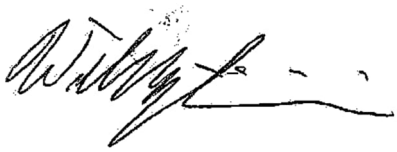
MDE regulations require notifications prior to the removal of asbestos-containing materials. Removal shall be performed following all applicable MDE and Federal regulations. Properly accredited contractors employing MDE accredited workers and supervisors should perform any asbestos abatement work. Any work plans for asbestos removal should be prepared by an MDE accredited Asbestos Project Designer. Any asbestos abatement activities should by monitored by qualified third party industrial hygiene personnel.

The U.S. EPA and MDE require that all asbestos-containing material that may become friable during the course of the project be removed prior to renovation or demolition. Confirmed or suspect asbestos-containing materials disturbed during demolition or abatement activities must be handled and disposed of in accordance with applicable State and Federal regulations.

Materials uncovered during renovation or demolition activities that are not addressed in this inspection report must be sampled by a licensed asbestos inspector prior to any disturbance. This survey was minimally destructive in nature, in that walls or other structural elements were not disturbed to locate hidden materials, however, hidden suspect ACM may still be present. Hidden ACM materials may be encountered during renovation or demolition.

We appreciate the opportunity to assist you with your environmental compliance needs.

Yours truly,
One Source Environmental, LLC



William Ciancaglini
Project Manager

DISCLAIMER

The content presented in this report is based on data collected during the site inspection and survey, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by the Client, their clients, agents, and representatives.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. One Source Environmental believes the data and analysis to be accurate and relevant but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

This hazardous materials survey report is designed to aid the property owner, architect, construction manager, general contractor, and asbestos abatement contractor in locating ACM. This report is not intended for and may not be utilized as a bidding document or as an abatement project specification document.

This report is provided for the sole use of the Client. Reliance on this report by any third parties will be at such party's sole risk, and One Source Environmental disclaims liability for any use of or reliance on this report by third parties. All portions of this report, including attachments and figures, are interrelated and integral to this report and should not be transmitted independent of each other.

SAMPLE SUMMARY TABLE

Bay Ridge Gardens
1 Bens Drive – Annapolis, MD 21403

SAMPLE NUMBER	SAMPLED MATERIAL	LOCATION	% ASBESTOS
1A	Drywall	1A Marcs Ct - LR	None Detected
1B	Drywall	7E Marcs Ct - K	None Detected
1C	Drywall	13B Marcs Ct - LR	None Detected
1D	Drywall	2A Bens Drive - K	None Detected
1E	Drywall	6A Bens Drive - K	None Detected
1F	Drywall	14C Bens Drive - Hall	None Detected
1G	Drywall	31E Bens Drive - BR1	None Detected
2A	Joint Compound	1A Marcs Court - Hall	None Detected
2B	Joint Compound	5D Marcs Court - K	None Detected
2C	Joint Compound	9B Marcs Court - LR	None Detected
2D	Joint Compound	15A Marcs Court - K	None Detected
2E	Joint Compound	4A Bens Drive - Hall	None Detected
2F	Joint Compound	8B Bens Drive - K	None Detected
2G	Joint Compound	20A Bens Drive - BR2	None Detected
2H	Joint Compound	22F Bens Drive - K	None Detected
2I	Joint Compound	Maintenance Shop	None Detected
3A (Layer 1)	Floor Tile – Gray Wood Grain	10A Bens Dr - LR	None Detected*
3A (Layer 2)	Mastic - Yellow	10A Bens Dr - LR	None Detected**
3B (Layer 1)	Floor Tile – Gray Wood Grain	14E Bens Dr - LR	None Detected
3B (Layer 2)	Mastic - Yellow	14E Bens Dr - LR	None Detected
3C (Layer 1)	Floor Tile – Gray Wood Grain	27B Bens Dr - LR	None Detected
3C (Layer 2)	Mastic - Yellow	27B Bens Dr - LR	None Detected
3D (Layer 1)	Floor Tile – Gray Wood Grain	Leasing Center	None Detected
3D (Layer 2)	Mastic - Yellow	Leasing Center	None Detected
3E (Layer 1)	Floor Tile – Gray Wood Grain	Community Center	None Detected
3E (Layer 2)	Mastic - Yellow	Community Center	None Detected
4A (Layer 1)	Floor Tile - Light Brown Wood Grain	5B Marcs Ct – BR1	None Detected*
4A (Layer 2)	Mastic - Yellow	5B Marcs Ct – BR1	None Detected*
4B (Layer 1)	Floor Tile - Light Brown Wood Grain	13C Marcs Ct – LR	None Detected
4B (Layer 2)	Mastic - Yellow	13C Marcs Ct – LR	None Detected
4C (Layer 1)	Floor Tile - Light Brown Wood Grain	12A Bens Dr - LR	None Detected
4C (Layer 2)	Mastic - Yellow	12A Bens Dr - LR	None Detected
4D	Floor Tile - Light Brown Wood Grain	16A Bens Dr - K	None Detected
4E (Layer 1)	Floor Tile - Light Brown Wood Grain	20A Bens Dr - Hall	None Detected
4E (Layer 2)	Mastic - Yellow	20A Bens Dr - Hall	None Detected
5A	Floor Tile - Dark Brown Wood Grain	13B Marcs Ct - K	None Detected
5B (Layer 1)	Floor Tile - Dark Brown Wood Grain	15A Marcs Ct - LR	None Detected*
5B (Layer 2)	Mastic - Yellow	15A Marcs Ct - LR	None Detected**
5C (Layer 1)	Floor Tile - Dark Brown Wood Grain	4B Bens Dr – BR1	None Detected
5C (Layer 2)	Mastic - Yellow	4B Bens Dr – BR1	None Detected
5D (Layer 1)	Floor Tile - Dark Brown Wood Grain	22A Bens Dr – LR	None Detected
5D (Layer 2)	Mastic - Yellow	22A Bens Dr – LR	None Detected

SAMPLE NUMBER	SAMPLED MATERIAL	LOCATION	% ASBESTOS
5E (Layer 1)	Floor Tile - Dark Brown Wood Grain	23A Bens Dr – Hall	None Detected
5E (Layer 2)	Mastic - Yellow	23A Bens Dr – Hall	None Detected
6A	24"x 24" VFT Beige W/ Brown Spots	Leasing Bath - Top Layer	None Detected*
6B	24"x 24" VFT Beige W/ Brown Spots	Leasing Bath - Top Layer	None Detected
7A (Layer 1)	Floor Tile – Beige w/Mixed Mottle	1E Marcs Ct - K	None Detected*
7A (Layer 2)	Mastic - Yellow/Black	1E Marcs Ct - K	None Detected*
7B (Layer 1)	Floor Tile – Beige w/Mixed Mottle	13A Marcs Ct - LR	None Detected
7B (Layer 2)	Mastic - Yellow/Black	13A Marcs Ct – LR	None Detected
7C (Layer 1)	Floor Tile – Beige w/Mixed Mottle	4B Bens Dr - K	None Detected
7C (Layer 2)	Mastic - Yellow/Black	4B Bens Dr – K	None Detected
7D (Layer 1)	Floor Tile – Beige w/Mixed Mottle	10D Bens Dr - K	None Detected
7D (Layer 2)	Mastic - Yellow/Black	10D Bens Dr – K	None Detected
7E (Layer 1)	Floor Tile – Beige w/Mixed Mottle	25B Bens Dr – K	None Detected
7E (Layer 2)	Mastic - Yellow/Black	25B Bens Dr - K	None Detected
8A	12" Floor Tile - Green w/White Mottle	Leasing Bath - Bottom Layer	None Detected
8B (Layer 1)	12" Floor Tile - Green w/White Mottle	Leasing Bath - Bottom Layer	None Detected*
8B (Layer 2)	Mastic - Yellow	Leasing Bath - Bottom Layer	None Detected**
9A	12" Floor Tile - Gray w/ Mixed Mottle	Maintenance Shop Office	None Detected
9B (Layer 1)	12" Floor Tile - Gray w/ Mixed Mottle	Maintenance Shop Office	None Detected*
9B (Layer 2)	Mastic - Yellow	Maintenance Shop Office	None Detected**
10A	Wall Ceramic Tile Thinset	1A Marcs Ct - K	None Detected
10B	Wall Ceramic Tile Thinset	11A Marcs Ct - K	None Detected
10C	Wall Ceramic Tile Thinset	4B Bens Dr - K	None Detected
10D	Wall Ceramic Tile Thinset	16B Bens Dr - K	None Detected
10E	Wall Ceramic Tile Thinset	29B Bens Dr - K	None Detected
11A	Wall Ceramic Tile Grout	1A Marcs Ct - K	None Detected
11B	Wall Ceramic Tile Grout	1A Marcs Ct - K	None Detected
11C	Wall Ceramic Tile Grout	4B Bens Dr - K	None Detected
11D	Wall Ceramic Tile Grout	16B Bens Dr - K	None Detected
11E	Wall Ceramic Tile Grout	29B Bens Dr - K	None Detected
12A	Floor Ceramic Tile Grout	17B Marcs Ct - Bath	None Detected
12B	Floor Ceramic Tile Grout	4B Bens Dr - Bath	None Detected
12C	Floor Ceramic Tile Grout	19B Bens Dr - Bath	None Detected
13A (Layer 1)	Cove Base - Blue	Leasing Center	None Detected*
13A (Layer 2)	Mastic - Cream	Leasing Center	None Detected*
13B (Layer 1)	Cove Base - Blue	Community Center	None Detected
13B (Layer 2)	Mastic - Cream	Community Center	None Detected
14A (Layer 1)	Cove Base - Brown	Leasing Center Management Office	None Detected*
14A (Layer 2)	Mastic - Cream	Leasing Center Management Office	None Detected*
14B (Layer 1)	Cove Base - Brown	Community Center	None Detected

SAMPLE NUMBER	SAMPLED MATERIAL	LOCATION	% ASBESTOS
14B (Layer 2)	Mastic - Cream	Community Center	None Detected
15A	Interior Window Caulk	11A Marcs Ct - LR	None Detected*
15B	Interior Window Caulk	4B Bens Dr - LR	None Detected
15C	Interior Window Caulk	23B Bens Dr - K	None Detected
16A	Tub Caulk	11B Marcs Ct - Bath	None Detected*
16B	Tub Caulk	14B Bens Dr - Bath	None Detected
16C	Tub Caulk	20B Bens Dr - Bath	None Detected
17A	2'x 2' Ceiling Tile Pinhole Fissure	Leasing Center	None Detected
17B	2'x 2' Ceiling Tile Pinhole Fissure	Community Center	None Detected
18A	Stair Stringer Caulk	1 Marcs Ct - Breezeway	None Detected*
18B	Stair Stringer Caulk	2 Bens Dr - Breezeway	None Detected
18C	Stair Stringer Caulk	8 Bens Dr - Breezeway	None Detected
19A	Red Firestopping	Laundry Room	None Detected*
19B	Red Firestopping	Laundry Room	None Detected
20A	Exterior Window Caulk	25 Bens Dr	None Detected*
20B	Exterior Window Caulk	Maintenance Shop	None Detected
20C	Exterior Window Caulk	Leasing Office	None Detected
21A	Green Exterior Door Caulk – Top Layer	5B Marcs Ct	None Detected*
21B	Green Exterior Door Caulk – Top Layer	12A Bens Dr - Mech Room	None Detected
21C	Green Exterior Door Caulk – Top Layer	21B Bens Dr	None Detected
22A	Brick Mortar	3 Marcs Ct	None Detected
22B	Brick Mortar	15 Marcs Ct	None Detected
22C	Brick Mortar	12 Bens Drive	None Detected
22D	Brick Mortar	20 Bens Drive	None Detected
22E	Brick Mortar	29 Bens Drive	None Detected
23A	Roof Shingle	17 Marcs Ct	None Detected*
23B	Roof Shingle	8 Bens Dr	None Detected
23C	Roof Shingle	Laundry Room	None Detected
24A	Roof Felt Membrane	17 Marcs Ct	None Detected*
24B	Roof Felt Membrane	8 Bens Dr	None Detected
24C	Roof Felt Membrane	Laundry Room	None Detected
25A	Flashing Caulk	17 Marcs Ct	None Detected*
25B	Flashing Caulk	8 Bens Dr	None Detected
25C	Flashing Caulk	Laundry Room	None Detected
1A (9-18-25)	White Exterior Door Caulk Bottom Layer	Stairwell 2 – Fire/Mechanical Room	4% Chrysotile
1B (9-18-25)	White Exterior Door Caulk Bottom Layer	Stairwell 11 – Fire/Mechanical Room	4% Chrysotile
1C (9-18-25)	White Exterior Door Caulk Bottom Layers	Stairwell 27 – Fire/Mechanical Room	4% Chrysotile

* = NOB material re-analyzed via TEM
** = NOB material with insufficient sample for TEM re-analysis but not considered to be an ACM based on PLM result, and other TEM results for homogenous flooring mastics in other areas

APPENDIX A

ASBESTOS BULK SAMPLE LABORATORY RESULTS AND CHAIN OF CUSTODY FORMS

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

September 22, 2025

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive
Midlothian, VA 23113

RE: Dominion Due Diligence Group
Job Number 125091341
P.O. #2025-1713
2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

Dear Kim Dingledine:

Enclosed are the results for PLM asbestos analysis of the following Dominion Due Diligence Group samples received at AmeriSci on Tuesday, September 9, 2025, for a 3 day turnaround:

1A, 1B, 1C, 1D, 1E, 1F, 1G, 2A, 2B, 2C, 2D, 2E, 2F, 2G, 2H, 2I, 3A, 3B, 3C, 3D, 3E, 4A, 4B, 4C, 4D, 4E, 5A, 5B, 5C, 5D, 5E, 6A, 6B, 7A, 7B, 7C, 7D, 7E, 8A, 8B, 9A, 9B, 10A, 10B, 10C, 10D, 10E, 11A, 11B, 11C, 11D, 11E, 12A, 12B, 12C, 13A, 13B, 14A, 14B, 15A, 15B, 15C, 16A, 16B, 16C, 17A, 17B, 18A, 18B, 18C, 19A, 19B, 20A, 20B, 20C, 21A, 21B, 21C, 22A, 22B, 22C, 22D, 22E, 23A, 23B, 23C, 24A, 24B, 24C, 25A, 25B, 25C

The 92 samples contained in zip lock bag were shipped to AmeriSci via Fed Ex. These samples were prepared and analyzed according to EPA PLM Method (EPA 600/R-93/116 Section 2.2). The required analytical information, analysis results, analyst signature and laboratory identification are contained in the PLM Bulk Asbestos Report. If TEM analysis was requested for selected samples the gravimetric reduction data (by Sec 2.3) and TEM Asbestos % (by Sec 2.5) are included in Table 1 along with a summary of Asbestos % by PLM for all samples analyzed.

This report relates ONLY to the sample analysis expressed as % asbestos. AmeriSci assumes no responsibility for customer supplied data such as “sample type”, "location", or “area sampled”. This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology accreditation requirements mandate that this report must not be reproduced, except in full, without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Cory M. Parnell

Laboratory Director | Authorized Signatory

AMERISCI

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive

Midlothian, VA 23113

Date Received 9/9/2025 **AmeriSci Job #** 125091341
Date Examined 09/11/25 **P.O. #**
Page 1 **of** 18

RE: 2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
(Report Amended 9/22/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
1A 1 **Location:** Drywall/1A Marcs Ct - LR **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-01	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
1B 1 **Location:** Drywall/7E Marcs Ct - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-02	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
1C 1 **Location:** Drywall/13B Marcs Ct - LR **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-03	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
1D 1 **Location:** Drywall/2A Bens Drive - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-04	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
1E 1 **Location:** Drywall/6A Bens Drive - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-05	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
1F 1 **Location:** Drywall/14C Bens Drive - Hall **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-06	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
(Report Amended 9/22/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
1G 1 **Location:** Drywall/31E Bens Drive - BR1 **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-07	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2A 2 **Location:** Joint Compound/1A Marcs Court - Hall **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-08	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2B 2 **Location:** Joint Compound/5D Marcs Court - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-09	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2C 2 **Location:** Joint Compound/9B Marcs Court - LR **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-10	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2D 2 **Location:** Joint Compound/15A Marcs Court - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-11	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2E 2 **Location:** Joint Compound/4A Bens Drive - Hall **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-12	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2F 2 **Location:** Joint Compound/8B Bens Drive - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-13	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
(Report Amended 9/22/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
2G 2 **Location:** Joint Compound/20A Bens Drive - BR2 **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-14	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2H 2 **Location:** Joint Compound/22F Bens Drive - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-15	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
2I 2 **Location:** Joint Compound/Maintenance Shop **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-16	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3A 3 **Location:** Gray Woodgrain LVT/10A - LR **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-17L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3A 3 **Location:** Gray Woodgrain LVT/10A - LR Insufficient Material Submitted For TEM Analysis **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-17L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3B 3 **Location:** Gray Woodgrain LVT/14E - KR **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-18L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3B 3 **Location:** Gray Woodgrain LVT/14E - KR **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-18L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
(Report Amended 9/22/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
3C 3 **Location:** Gray Woodgrain LVT/27B - LR **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-19L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3C 3 **Location:** Gray Woodgrain LVT/27B - LR **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-19L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3D 3 **Location:** Gray Woodgrain LVT/Leasing Center **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-20L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3D 3 **Location:** Gray Woodgrain LVT/Leasing Center **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-20L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3E 3 **Location:** Gray Woodgrain LVT/Community Center **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-21L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
3E 3 **Location:** Gray Woodgrain LVT/Community Center **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-21L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4A 4 **Location:** Light Brown Wood Grain LVT/5B Marcs Ct - BR1 **Analyst Description:** Lt. Brown, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-22L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
4A 4 **Location:** Light Brown Wood Grain LVT/5B Marcs Ct - BR1 **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-22L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4B 4 **Location:** Light Brown Wood Grain LVT/13C Marcs Ct - LR **Analyst Description:** Lt. Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-23L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4B 4 **Location:** Light Brown Wood Grain LVT/13C Marcs Ct - LR **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-23L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4C 4 **Location:** Light Brown Wood Grain LVT/12A Bens Dr - LR **Analyst Description:** Lt. Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-24L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4C 4 **Location:** Light Brown Wood Grain LVT/12A Bens Dr - LR **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-24L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4D 4 **Location:** Light Brown Wood Grain LVT/16A Bens Dr - K **Analyst Description:** Lt. Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100% **Comment:** Insufficient Mastic	125091341-25	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
4E 4 **Location:** Light Brown Wood Grain LVT/20A Bens Dr - Hall **Analyst Description:** Lt. Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-26L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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4E 4 **Location:** Light Brown Wood Grain LVT/20A Bens Dr - Hall **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-26L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5A 5 **Location:** Dark Brown Wood Grain LVT/13B Marcs Ct - K **Analyst Description:** Dark Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100% **Comment:** Mastic Absent	125091341-27	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5B 5 **Location:** Dark Brown Wood Grain LVT/15A Marcs Ct - LR **Analyst Description:** Dark Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-28L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5B 5 **Location:** Dark Brown Wood Grain LVT/15A Marcs Ct - LR Insufficient Material Submitted For TEM Analysis **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-28L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5C 5 **Location:** Dark Brown Wood Grain LVT/4B Bens Dr - BR1 **Analyst Description:** Dark Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-29L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5C 5 **Location:** Dark Brown Wood Grain LVT/4B Bens Dr - BR1 **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-29L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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5D 5 **Location:** Dark Brown Wood Grain LVT/22A Bens Dr - LR **Analyst Description:** Dark Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-30L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5D 5 **Location:** Dark Brown Wood Grain LVT/22A Bens Dr - LR **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-30L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5E 5 **Location:** Dark Brown Wood Grain LVT/23A Bens Dr - Hall **Analyst Description:** Dark Brown, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-31L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
5E 5 **Location:** Dark Brown Wood Grain LVT/23A Bens Dr - Hall **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-31L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
6A 6 **Location:** 24"x24" VFT Beige W/ Brown Spots/Leasing Bath - Top Layer **Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-32	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
6B 6 **Location:** 24"x24" VFT Beige W/ Brown Spots/Leasing Bath - Top Layer **Analyst Description:** Beige, Heterogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-33	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7A 7 **Location:** 12" VFT Beige W/ Mixed Mottle/1E Marcs Ct - K **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-34L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
7A 7 **Location:** 12" VFT Beige W/ Mixed Mottle/1E Marcs Ct - K **Analyst Description:** Yellow/Black, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-34L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7B 7 **Location:** 12" VFT Beige W/ Mixed Mottle/13A Marcs Ct - LR **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-35L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7B 7 **Location:** 12" VFT Beige W/ Mixed Mottle/13A Marcs Ct - LR **Analyst Description:** Yellow/Black, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-35L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7C 7 **Location:** 12" VFT Beige W/ Mixed Mottle/4B Bens Dr - K **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-36L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7C 7 **Location:** 12" VFT Beige W/ Mixed Mottle/4B Bens Dr - K **Analyst Description:** Yellow/Black, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-36L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7D 7 **Location:** 12" VFT Beige W/ Mixed Mottle/10D Bens Dr - K **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-37L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
7D 7 **Location:** 12" VFT Beige W/ Mixed Mottle/10D Bens Dr - K **Analyst Description:** Yellow/Black, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-37L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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7E 7	125091341-38L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
Location: 12" VFT Beige W/ Mixed Mottle/25B Bens Dr - K **Analyst Description:** Beige, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%				
7E 7	125091341-38L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
Location: 12" VFT Beige W/ Mixed Mottle/25B Bens Dr - K **Analyst Description:** Yellow/Black, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%				
8A 8	125091341-39	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
Location: 12" VFT Green W/ White Mottle/Leasing Bath - Bottom Layer **Analyst Description:** Green, Homogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
8B 8	125091341-40L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
Location: 12" VFT Green W/ White Mottle/Leasing Bath - Bottom Layer **Analyst Description:** Green, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%				
8B 8	125091341-40L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
Location: 12" VFT Green W/ White Mottle/Leasing Bath - Bottom Layer Insufficient Material Submitted For TEM Analysis **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%				
9A 9	125091341-41	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
Location: 12" VFT Gray W/ Mixed Mottle/Maintenance Shop Office **Analyst Description:** Lt.Green, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100% **Comment:** Insufficient MAstic				

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9B 9 **Location:** 12" VFT Gray W/ Mixed Mottle/Maintenance Shop Office **Analyst Description:** Lt.Green, Homogeneous, Non-Fibrous, Floor Tile **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-42L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
9B 9 **Location:** 12" VFT Gray W/ Mixed Mottle/Maintenance Shop Office Insufficient Material Submitted For TEM Analysis **Analyst Description:** Yellow, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-42L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
10A 10 **Location:** Wall Ceramic Tile Thinset/1A Marcs Ct - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-43	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
10B 10 **Location:** Wall Ceramic Tile Thinset/11A Marcs Ct - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-44	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
10C 10 **Location:** Wall Ceramic Tile Thinset/4B Bens Dr - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-45	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
10D 10 **Location:** Wall Ceramic Tile Thinset/16B Bens Dr - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-46	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
10E 10 **Location:** Wall Ceramic Tile Thinset/29B Bens Dr - K **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-47	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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11A 11 **Location:** Wall Ceramic Tile Grout/1A Marcs Ct - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-48	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
11B 11 **Location:** Wall Ceramic Tile Grout/1A Marcs Ct - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-49	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
11C 11 **Location:** Wall Ceramic Tile Grout/4B Bens Dr - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-50	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
11D 11 **Location:** Wall Ceramic Tile Grout/16B Bens Dr - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-51	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
11E 11 **Location:** Wall Ceramic Tile Grout/29B Bens Dr - K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-52	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
12A 12 **Location:** Floor Ceramic Tile Grout/17B Marcs Ct - Bath **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-53	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
12B 12 **Location:** Floor Ceramic Tile Grout/4B Bens Dr - Bath **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-54	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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12C 12 **Location:** Floor Ceramic Tile Grout/19B Bens Dr - Bath **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-55	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
13A 13 **Location:** 4" Cove Base Blue/Leasing Center **Analyst Description:** Blue, Heterogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-56L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
13A 13 **Location:** 4" Cove Base Blue/Leasing Center **Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-56L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
13B 13 **Location:** 4" Cove Base Blue/Community Center **Analyst Description:** Blue, Heterogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-57L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
13B 13 **Location:** 4" Cove Base Blue/Community Center **Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-57L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
14A 14 **Location:** 4" Cove Base Brown/Leasing Ctr Mgr Office **Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-58L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
14A 14 **Location:** 4" Cove Base Brown/Leasing Ctr Mgr Office **Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-58L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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14B 14 **Location:** 4" Cove Base Brown/Community Center **Analyst Description:** Brown, Heterogeneous, Non-Fibrous, Cove Base **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-59L1	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
14B 14 **Location:** 4" Cove Base Brown/Community Center **Analyst Description:** Cream, Heterogeneous, Non-Fibrous, Mastic **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-59L2	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
15A 15 **Location:** Interior Window Caulk/11A Marcs Ct - LR **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-60	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
15B 15 **Location:** Interior Window Caulk/4B Bens Dr - LR **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-61	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
15C 15 **Location:** Interior Window Caulk/23B Bens Dr - K **Analyst Description:** Tan, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-62	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
16A 16 **Location:** Tub Caulk/11B Marcs Ct - Bath **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-63	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
16B 16 **Location:** Tub Caulk/14B Bens Dr - Bath **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-64	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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16C 16 **Location:** Tub Caulk/20B Bens Dr - Bath **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-65	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
17A 17 **Location:** 2'x2' Ceiling Tile Pinhole Fissure/Leasing Center **Analyst Description:** White/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 65%, Fibrous glass 15%, Non-fibrous 20%	125091341-66	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
17B 17 **Location:** 2'x2' Ceiling Tile Pinhole Fissure/Community Center **Analyst Description:** White/Gray, Homogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Cellulose 65%, Fibrous glass 15%, Non-fibrous 20%	125091341-67	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
18A 18 **Location:** Stair Stringer Caulk/1 Marcs Ct - Breezeway **Analyst Description:** White/Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-68	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
18B 18 **Location:** Stair Stringer Caulk/2 Bens Dr - Breezeway **Analyst Description:** White/Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-69	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
18C 18 **Location:** Stair Stringer Caulk/8 Bens Dr - Breezeway **Analyst Description:** White/Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-70	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
19A 19 **Location:** Red Firestopping/Laundry Room **Analyst Description:** Red, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-71	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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19B 19 **Location:** Red Firestopping/Laundry Room **Analyst Description:** Red, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-72	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
20A 20 **Location:** Exterior Window Caulk/25 Bens Dr **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-73	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
20B 20 **Location:** Exterior Window Caulk/Maintenance Shop **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-74	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
20C 20 **Location:** Exterior Window Caulk/Leasing Office **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-75	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
21A 21 **Location:** Exterior Door Caulk/5B Marcs Ct **Analyst Description:** Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-76	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
21B 21 **Location:** Exterior Door Caulk/12A Bens Dr - Mech Room **Analyst Description:** Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-77	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
21C 21 **Location:** Exterior Door Caulk/21B Bens Dr **Analyst Description:** Green, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-78	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
22A 22 **Location:** Brick Mortar/3 Marcs Ct **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-79	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
22B 22 **Location:** Brick Mortar/15 Marcs Ct **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-80	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
22C 22 **Location:** Brick Mortar/12 Bens Drive **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-81	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
22D 22 **Location:** Brick Mortar/20 Bens Drive **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-82	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
22E 22 **Location:** Brick Mortar/29 Bens Drive **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-83	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
23A 23 **Location:** Roof Shingle/17 Marcs Ct **Analyst Description:** Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	125091341-84	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
23B 23 **Location:** Roof Shingle/8 Bens Dr **Analyst Description:** Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	125091341-85	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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PLM Bulk Asbestos Report

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
(Report Amended 9/22/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
23C 23 **Location:** Roof Shingle/Laundry Room **Analyst Description:** Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	125091341-86	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
24A 24 **Location:** Roof Felt Membrane/17 Marcs Ct **Analyst Description:** Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	125091341-87	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
24B 24 **Location:** Roof Felt Membrane/8 Bens Dr **Analyst Description:** Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	125091341-88	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
24C 24 **Location:** Roof Felt Membrane/Laundry Room **Analyst Description:** Black, Heterogeneous, Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Fibrous glass 5.0%, Non-fibrous 95%	125091341-89	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
25A 25 **Location:** Flashing Caulk/17 Marcs Ct **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-90	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
25B 25 **Location:** Flashing Caulk/8 Bens Dr **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-91	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	
25C 25 **Location:** Flashing Caulk/Laundry Room **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%	125091341-92	***No***	NAD (by CVES) by Tou Si Anothay on 09/11/25	

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PLM Bulk Asbestos Report

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
(Report Amended 9/22/2025)

Reporting Notes:

Analyzed by: Tou Si Anothay
Date: 9/11/2025

Reviewed by: Cory M. Parnell

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Meiji, Model MT 6120 microscope, Serial #1900011, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Client Name: Dominion Due Diligence Group

Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	1A	1	----	----	----	----	NAD	NA
Location:	Drywall/1A Marcs Ct - LR							
02	1B	1	----	----	----	----	NAD	NA
Location:	Drywall/7E Marcs Ct - K							
03	1C	1	----	----	----	----	NAD	NA
Location:	Drywall/13B Marcs Ct - LR							
04	1D	1	----	----	----	----	NAD	NA
Location:	Drywall/2A Bens Drive - K							
05	1E	1	----	----	----	----	NAD	NA
Location:	Drywall/6A Bens Drive - K							
06	1F	1	----	----	----	----	NAD	NA
Location:	Drywall/14C Bens Drive - Hall							
07	1G	1	----	----	----	----	NAD	NA
Location:	Drywall/31E Bens Drive - BR1							
08	2A	2	----	----	----	----	NAD	NA
Location:	Joint Compound/1A Marcs Court - Hall							
09	2B	2	----	----	----	----	NAD	NA
Location:	Joint Compound/5D Marcs Court - K							
10	2C	2	----	----	----	----	NAD	NA
Location:	Joint Compound/9B Marcs Court - LR							
11	2D	2	----	----	----	----	NAD	NA
Location:	Joint Compound/15A Marcs Court - K							
12	2E	2	----	----	----	----	NAD	NA
Location:	Joint Compound/4A Bens Drive - Hall							
13	2F	2	----	----	----	----	NAD	NA
Location:	Joint Compound/8B Bens Drive - K							
14	2G	2	----	----	----	----	NAD	NA
Location:	Joint Compound/20A Bens Drive - BR2							
15	2H	2	----	----	----	----	NAD	NA
Location:	Joint Compound/22F Bens Drive - K							
16	2I	2	----	----	----	----	NAD	NA
Location:	Joint Compound/Maintenance Shop							

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Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17L1	3A	3	0.193	30.5	61.2	8.3	NAD	NAD
Location: Gray Woodgrain LVT/10A - LR; Floor Tile								
17L2	3A	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/10A - LR Insufficient Material Submitted For TEM Analysis; Mastic								
18L1	3B	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/14E - KR; Floor Tile								
18L2	3B	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/14E - KR; Mastic								
19L1	3C	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/27B - LR; Floor Tile								
19L2	3C	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/27B - LR; Mastic								
20L1	3D	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/Leasing Center; Floor Tile								
20L2	3D	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/Leasing Center; Mastic								
21L1	3E	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/Community Center ; Floor Tile								
21L2	3E	3	----	----	----	----	NAD	NA
Location: Gray Woodgrain LVT/Community Center ; Mastic								
22L1	4A	4	0.287	36.5	61.3	2.2	NAD	NAD
Location: Light Brown Wood Grain LVT/5B Marcs Ct - BR1; Floor Tile								
22L2	4A	4	0.125	59.0	28.9	12.1	NAD	NAD
Location: Light Brown Wood Grain LVT/5B Marcs Ct - BR1; Mastic								
23L1	4B	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/13C Marcs Ct - LR; Floor Tile								
23L2	4B	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/13C Marcs Ct - LR; Mastic								
24L1	4C	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/12A Bens Dr - LR; Floor Tile								
24L2	4C	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/12A Bens Dr - LR; Mastic								

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Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
25	4D	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/16A Bens Dr - K; Floor Tile								
26L1	4E	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/20A Bens Dr - Hall; Floor Tile								
26L2	4E	4	----	----	----	----	NAD	NA
Location: Light Brown Wood Grain LVT/20A Bens Dr - Hall; Mastic								
27	5A	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/13B Marcs Ct - K; Floor Tile								
28L1	5B	5	0.215	18.1	80.9	1.0	NAD	NAD
Location: Dark Brown Wood Grain LVT/15A Marcs Ct - LR; Floor Tile								
28L2	5B	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/15A Marcs Ct - LR Insufficient Material Submitted For TEM Analysis; Mastic								
29L1	5C	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/4B Bens Dr - BR1; Floor Tile								
29L2	5C	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/4B Bens Dr - BR1; Mastic								
30L1	5D	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/22A Bens Dr - LR; Floor Tile								
30L2	5D	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/22A Bens Dr - LR; Mastic								
31L1	5E	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/23A Bens Dr - Hall; Floor Tile								
31L2	5E	5	----	----	----	----	NAD	NA
Location: Dark Brown Wood Grain LVT/23A Bens Dr - Hall; Mastic								
32	6A	6	0.225	32.5	65.5	2.0	NAD	NAD
Location: 24"x24" VFT Beige W/ Brown Spots/Leasing Bath - Top Layer; Floor Tile								
33	6B	6	----	----	----	----	NAD	NA
Location: 24"x24" VFT Beige W/ Brown Spots/Leasing Bath - Top Layer; Floor Tile								
34L1	7A	7	0.279	5.3	94.7	0.0	NAD	NAD
Location: 12" VFT Beige W/ Mixed Mottle/1E Marcs Ct - K; Floor Tile								
34L2	7A	7	0.162	58.9	22.3	18.8	NAD	NAD
Location: 12" VFT Beige W/ Mixed Mottle/1E Marcs Ct - K; Mastic								

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Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
35L1	7B	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/13A Marcs Ct - LR; Floor Tile								
35L2	7B	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/13A Marcs Ct - LR; Mastic								
36L1	7C	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/4B Bens Dr - K; Floor Tile								
36L2	7C	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/4B Bens Dr - K; Mastic								
37L1	7D	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/10D Bens Dr - K; Floor Tile								
37L2	7D	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/10D Bens Dr - K; Mastic								
38L1	7E	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/25B Bens Dr - K; Floor Tile								
38L2	7E	7	----	----	----	----	NAD	NA
Location: 12" VFT Beige W/ Mixed Mottle/25B Bens Dr - K; Mastic								
39	8A	8	----	----	----	----	NAD	NA
Location: 12" VFT Green W/ White Mottle/Leasing Bath - Bottom Layer								
40L1	8B	8	0.374	4.2	92.4	3.3	NAD	NAD
Location: 12" VFT Green W/ White Mottle/Leasing Bath - Bottom Layer ; Floor Tile								
40L2	8B	8	----	----	----	----	NAD	NA
Location: 12" VFT Green W/ White Mottle/Leasing Bath - Bottom Layer Insufficient Material Submitted For TEM Analysis; Mastic								
41	9A	9	----	----	----	----	NAD	NA
Location: 12" VFT Gray W/ Mixed Mottle/Maintenance Shop Office ; Floor Tile								
42L1	9B	9	0.275	2.5	97.1	0.3	NAD	NAD
Location: 12" VFT Gray W/ Mixed Mottle/Maintenance Shop Office ; Floor Tile								
42L2	9B	9	----	----	----	----	NAD	NA
Location: 12" VFT Gray W/ Mixed Mottle/Maintenance Shop Office Insufficient Material Submitted For TEM Analysis; Mastic								
43	10A	10	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Thinset/1A Marcs Ct - K								
44	10B	10	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Thinset/11A Marcs Ct - K								

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Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
45	10C	10	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Thinset/4B Bens Dr - K								
46	10D	10	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Thinset/16B Bens Dr - K								
47	10E	10	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Thinset/29B Bens Dr - K								
48	11A	11	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Grout/1A Marcs Ct - K								
49	11B	11	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Grout/1A Marcs Ct - K								
50	11C	11	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Grout/4B Bens Dr - K								
51	11D	11	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Grout/16B Bens Dr - K								
52	11E	11	----	----	----	----	NAD	NA
Location: Wall Ceramic Tile Grout/29B Bens Dr - K								
53	12A	12	----	----	----	----	NAD	NA
Location: Floor Ceramic Tile Grout/17B Marcs Ct - Bath								
54	12B	12	----	----	----	----	NAD	NA
Location: Floor Ceramic Tile Grout/4B Bens Dr - Bath								
55	12C	12	----	----	----	----	NAD	NA
Location: Floor Ceramic Tile Grout/19B Bens Dr - Bath								
56L1	13A	13	0.219	38.5	58.3	3.2	NAD	NAD
Location: 4" Cove Base Blue/Leasing Center; Cove Base								
56L2	13A	13	0.236	27.1	52.4	20.6	NAD	NAD
Location: 4" Cove Base Blue/Leasing Center; Mastic								
57L1	13B	13	----	----	----	----	NAD	NA
Location: 4" Cove Base Blue/Community Center; Cove Base								
57L2	13B	13	----	----	----	----	NAD	NA
Location: 4" Cove Base Blue/Community Center; Mastic								
58L1	14A	14	0.223	9.5	90.5	0.0	NAD	NAD
Location: 4" Cove Base Brown/Leasing Ctr Mgr Office; Cove Base								

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Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
58L2	14A	14	0.079	30.6	45.8	23.5	NAD	NAD
Location: 4" Cove Base Brown/Leasing Ctr Mgr Office; Mastic								
59L1	14B	14	----	----	----	----	NAD	NA
Location: 4" Cove Base Brown/Community Center; Cove Base								
59L2	14B	14	----	----	----	----	NAD	NA
Location: 4" Cove Base Brown/Community Center; Mastic								
60	15A	15	0.330	31.4	49.2	19.4	NAD	NAD
Location: Interior Window Caulk/11A Marcs Ct - LR								
61	15B	15	----	----	----	----	NAD	NA
Location: Interior Window Caulk/4B Bens Dr - LR								
62	15C	15	----	----	----	----	NAD	NA
Location: Interior Window Caulk/23B Bens Dr - K								
63	16A	16	0.343	29.0	66.6	4.5	NAD	NAD
Location: Tub Caulk/11B Marcs Ct - Bath								
64	16B	16	----	----	----	----	NAD	NA
Location: Tub Caulk/14B Bens Dr - Bath								
65	16C	16	----	----	----	----	NAD	NA
Location: Tub Caulk/20B Bens Dr - Bath								
66	17A	17	----	----	----	----	NAD	NA
Location: 2'x2' Ceiling Tile Pinhole Fissure/Leasing Center								
67	17B	17	----	----	----	----	NAD	NA
Location: 2'x2' Ceiling Tile Pinhole Fissure/Community Center								
68	18A	18	0.604	29.8	51.1	19.1	NAD	NAD
Location: Stair Stringer Caulk/1 Marcs Ct - Breezeway								
69	18B	18	----	----	----	----	NAD	NA
Location: Stair Stringer Caulk/2 Bens Dr - Breezeway								
70	18C	18	----	----	----	----	NAD	NA
Location: Stair Stringer Caulk/8 Bens Dr - Breezeway								
71	19A	19	0.299	44.9	33.2	21.8	NAD	NAD
Location: Red Firestopping/Laundry Room								
72	19B	19	----	----	----	----	NAD	NA
Location: Red Firestopping/Laundry Room								

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Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
73	20A	20	0.210	50.3	46.1	3.5	NAD	NAD
Location: Exterior Window Caulk/25 Bens Dr								
74	20B	20	----	----	----	----	NAD	NA
Location: Exterior Window Caulk/Maintenance Shop								
75	20C	20	----	----	----	----	NAD	NA
Location: Exterior Window Caulk/Leasing Office								
76	21A	21	0.332	35.8	55.9	8.3	NAD	NAD
Location: Exterior Door Caulk/5B Marcs Ct								
77	21B	21	----	----	----	----	NAD	NA
Location: Exterior Door Caulk/12A Bens Dr - Mech Room								
78	21C	21	----	----	----	----	NAD	NA
Location: Exterior Door Caulk/21B Bens Dr								
79	22A	22	----	----	----	----	NAD	NA
Location: Brick Mortar/3 Marcs Ct								
80	22B	22	----	----	----	----	NAD	NA
Location: Brick Mortar/15 Marcs Ct								
81	22C	22	----	----	----	----	NAD	NA
Location: Brick Mortar/12 Bens Drive								
82	22D	22	----	----	----	----	NAD	NA
Location: Brick Mortar/20 Bens Drive								
83	22E	22	----	----	----	----	NAD	NA
Location: Brick Mortar/29 Bens Drive								
84	23A	23	0.318	21.5	38.3	40.2	NAD	NAD
Location: Roof Shingle/17 Marcs Ct								
85	23B	23	----	----	----	----	NAD	NA
Location: Roof Shingle/8 Bens Dr								
86	23C	23	----	----	----	----	NAD	NA
Location: Roof Shingle/Laundry Room								
87	24A	24	0.216	51.3	17.9	30.8	NAD	NAD
Location: Roof Felt Membrane/17 Marcs Ct								
88	24B	24	----	----	----	----	NAD	NA
Location: Roof Felt Membrane/8 Bens Dr								

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Table I
Summary of Bulk Asbestos Analysis Results

2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD (Report Amended 9/22/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
89	24C	24	----	----	----	----	NAD	NA
Location:	Roof Felt Membrane/Laundry Room							
90	25A	25	0.303	80.0	17.0	3.0	NAD	NAD
Location:	Flashing Caulk/17 Marcs Ct							
91	25B	25	----	----	----	----	NAD	NA
Location:	Flashing Caulk/8 Bens Dr							
92	25C	25	----	----	----	----	NAD	NA
Location:	Flashing Caulk/Laundry Room							

Analyzed by: Cory M. Parnell

Reviewed by: Cory M. Parnell

Date: 9/22/2025

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

AmeriSci Richmond	Report Amendment Explanation Form (append to amended report)	Date Amended 9/22/2025

Client: Dominion Due Diligence Group

AmeriSci Job #: 125091341

Client Job: 2025-1713

Analysis Type: PLM

AmeriSci Sample #s affected: 125091341-

Amended by (print/sign): Cory M. Parnell

Original Item(s) Being Amended: TEM Upgrade

Changes Made: Analyzed selected samples by TEM

Reason for Changes: Client Request

Attach original sheet with incorrect item or items to be amended clearly indicated or circled.

Subject: RE: AmeriSci Report/Invoice 125091341; 2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
From: Kim Dingledine <k.dingledine@d3g.com>
Date: 9/14/2025, 11:15 AM
To: "varesults@amerisci.com" <varesults@amerisci.com>

Please run a TEM analysis w/ a 5 day TAT on the following samples:

125091341-17L1
125091341-17L2
125091341-22L1
125091341-22L2
125091341-28L1
125091341-28L2
125091341-32
125091341-34L1
125091341-34L2
125091341-40L1
125091341-40L2
125091341-42L1
125091341-42L2
125091341-56L1
125091341-56L2
125091341-58L1
125091341-58L2
125091341-60
125091341-63
125091341-68
125091341-71
125091341-73
125091341-76
125091341-84
125091341-87
125091341-90

DOMINION DUE DILIGENCE

Kim Dingledine
(she, her, hers)
Hazardous Materials Manager
O: (804) 339-1187
E: k.dingledine@d3g.com
A: 201 Wylderose Drive
Midlothian, Va. 23113

People, Innovation, Passion, Excellence

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-----Original Message-----
From: varesults@amerisci.com <varesults@amerisci.com>
Sent: Thursday, September 11, 2025 4:22 PM
To: Kim Dingledine <k.dingledine@d3g.com>
Cc: varesults@amerisci.com
Subject: AmeriSci Report/Invoice 125091341; 2025-1713; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD

Caution: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Thank you from AmeriSci.

Confidentiality Notice: Unless otherwise indicated, the information contained in this communication is confidential information for use of the individual named above. If the reader of this communication is not the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is prohibited. If you have received this communication in error, please immediately notify the sender by telephone and return the original message to the above address via the US postal Service at our expense. Samples are disposed of in 60 days unless otherwise instructed by the protocol or special instructions in writing. Thank you.

125-09-1341

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens
ADDRESS: 1 Bens Drive – Annapolis, MD
DATE: 9/3 & 9/5/25
CLIENT: DGG
☒ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: TIM REDMOND
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: 3-day
TYPE OF ANALYSIS: PLM

HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY / FRIABILITY
	1A	DRYWALL / 1A MARCS CT.	- LR	
	B	7E	- K	
	C	13B	- LR	
	D	2A BENS DRIVE	- K	
	E	6A	- K	
	F	14C	- HALL	
	G	31E	- BR1	
	2A	JOINT / 1A MARCS COURT	- HALL	
	B	COMPOUND 5D	- K	
	C	9B	- LR	
	D	15A	- K	
	E	4A BENS DRIVE	- HALL	
	F	8B	- K	
	G	20A	- BR2	
	H	22F	- K	
	I	MAINTENANCE SHOP		
☆	3A	GRAY / 10A BENS DR.	- LR	
	B	WOODGRAIN 14E	- LR	
	C	LVT 27B	- LR	
	D	LEASING CENTER		
	E	COMMUNITY CENTER		
	—	—		
	—	—		

SUBMITTED BY: 9-8-25 ⇐⇒ DATE SUBMITTED: TIM REDMOND SIGNATURE:

RECEIVED BY: _____ DATE RECEIVED: _____ SIGNATURE: _____ Received

DOMINION DUE DILIGENCE GROUP
201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

SEP 09 2025

PG. 1 of 5

125-09-1341

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens
ADDRESS: 1 Bens Drive – Annapolis, MD
DATE: 9/3 + 9/5/25
CLIENT: DJG
☒ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: TIM REDMOND
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: 3-day
TYPE OF ANALYSIS: PLM

HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY/ FRIABILITY
☆	4A	LIGHT BROWN / 5B MARCS G. - BR1		
	B	WOOD GRAIN / 3C ↓ - LR		
	C	LVT / 2A BENS DR. - LR		
	D	↓ / 16A ↓ - K		
	E	↓ / 20A ↓ - HALL		
	5A	DARK BROWN / 13B MARCS CT. - K		
☆	B	WOOD GRAIN / 15A ↓ - LR		
	C	LVT / 4B BENS DR. - BR1		
	D	↓ / 22A ↓ - LR		
	E	↓ / 23A ↓ - HALL		
☆	6A	24"x24" VFT / LEASING BATH - TOP LAYER		
	B	BEIGE/BROWN ↓	↓	
		SPOTS		
☆	7A	12" VFT / 1E MARCS G. - K		
	B	BEIGE W/ / 13A ↓ - LR		
	C	MIXED MOTTLE / 4B BENS DR - K		
	D	↓ / 10D ↓ - K		
	E	↓ / 25B ↓ - K		
	8A	12" VFT / LEASING BATH - BOTTOM LAYER		
☆	B	GREEN W/ ↓	↓	
		WHITE		
		MOTTLE		
	—	—		

SUBMITTED BY: TIM REDMOND DATE SUBMITTED: 9/8/25 SIGNATURE:

RECEIVED BY: DATE RECEIVED: SIGNATURE:

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SEP 09 2025

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125-09-1341

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens
ADDRESS: 1 Bens Drive – Annapolis, MD
DATE: 9/3 & 9/5/25
CLIENT: DGG
☒ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: TIM REDMOND
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: 3-day
TYPE OF ANALYSIS: PLM

HOMOGENEOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY/ FRIABILITY
	9A	12" VCT / MAINTENANCE SHOP OFFICE		
☆	↓B	GRAY W/	↓	↓
		MIXED MORE		
	10A	WALL GRAPHIC / 11A MARCS CT - K		
	B	TILE, INSET 11A ↓ - K		
	C	↓ 4B BENS DR - K		
	D	16B ↓ - K		
	E	↓ 29B ↓ - K		
	11A	WALL GRAPHIC / 1A MARCS CT - K		
	B	TILE GROUT 11A ↓ - K		
	C	4B BENS DR. - K		
	D	16B - K		
	E	↓ 29B ↓ - K		
	12A	FLOOR GRAPHIC 17B MARCS CT - BATH		
	↓B	TILE GROUT 4B BENS DR -	↓	
	↓C	↓ 19B ↓ -	↓	
☆	13A	4" COVE BASE - LEASING CENTER		
	↓B	BLUE COMMUNITY CENTER		
☆	14A	4" COVE BASE - LEASING CTR. MGR. OFFICE		
	↓B	BROWN COMMUNITY CENTER		
☆	15A	INTERIOR / 11A MARCS CT - LR		
	↓B	WINDOW 4B BENS DR - LR		
	↓C	CAULK 23B ↓ - K		

SUBMITTED BY: Tim Redmond DATE SUBMITTED: 9-8-25 SIGNATURE: Tim Redmond

RECEIVED BY: _____ DATE RECEIVED: _____ SIGNATURE: _____

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SEP 09 2025

DOMINION DUE DILIGENCE GROUP
201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

125 09-1341

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens
ADDRESS: 1 Bens Drive – Annapolis, MD
DATE: 9/3 + 9/5/25
CLIENT: DTG
☒ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: Tim Reynolds
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: 3-day
TYPE OF ANALYSIS: PLM

HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY / FRIABILITY
★	16A	TUB CAULK / 11 MARCS CT. - BATH		
	B	14B BENS DR -		
	C	20B -		
	17A	2'x2' / LEASING CENTER		
	B	CEILING TILE COMMUNITY CENTER /		
		PINHOLE FISSURE		
	18A	STAIR / 1 MARCS CT. BREEZEWAY		
	B	STRINGER 2 BENS DR		
	C	CAULK 8		
★	19A	RED / LAUNDRY ROOM		
	B	FIRESTOPPING		
★	20A	EXTERIOR / 25 BENS DR		
	B	WINDOW MAINTENANCE SHOP		
	C	CAULK LEASING OFFICE		
★	21A	EXTERIOR / 5B MARCS CT.		
	B	DOOR 12A BENS DR / YOGA ROOM		
	C	CAULK 21B BENS DR.		
	22A	BRICK / 3 MARCS CT		
	B	MORTAR 15		
	C	12 BENS DRIVE		
	D	28		
	E	29		

SUBMITTED BY: Tim Reynolds DATE SUBMITTED: 9-8-25 SIGNATURE:

RECEIVED BY: DATE RECEIVED: SIGNATURE:

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SEP 09 2025

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125-09-1341

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens
ADDRESS: 1 Bens Drive – Annapolis, MD
DATE: 9/3 + 9/5/25
CLIENT: DJG
☒ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: TIM REDMOND
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: 3-day
TYPE OF ANALYSIS: PLM

	HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY/ FRIABILITY
☆		23A	ROOF SHINGLE / 17 MARCS CT.		
		B	〃 8 BENS DR.		
		C	〃 LAUNDRY ROOM		
☆		24A	ROOF FELT / 17 MARCS CT.		
		B	MEMBRANE 8 BENS DR.		
		C	〃 LAUNDRY ROOM		
☆		25A	FLASHING / 17 MARCS CT		
		B	CAULK 8 BENS DR.		
		C	〃 LAUNDRY ROOM		

SUBMITTED BY: TIM REDMOND DATE SUBMITTED: 9-8-25 SIGNATURE:
RECEIVED BY: DATE RECEIVED: SIGNATURE: Received

SEP 09 2025

DOMINION DUE DILIGENCE GROUP
201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

September 23, 2025

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive
Midlothian, VA 23113

RE: Dominion Due Diligence Group
Job Number 125092003
P.O. #2025-113
2025-113; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD

Dear Kim Dingledine:

Enclosed are the results for PLM asbestos analysis of the following Dominion Due Diligence Group samples received at AmeriSci on Friday, September 19, 2025, for a 3 day turnaround:

1A, 1B, 1C

The 3 samples contained in zip lock bag were shipped to AmeriSci via Fed Ex. These samples were prepared and analyzed according to EPA PLM Method (EPA 600/R-93/116 Section 2.2). The required analytical information, analysis results, analyst signature and laboratory identification are contained in the PLM Bulk Asbestos Report. If TEM analysis was requested for selected samples the gravimetric reduction data (by Sec 2.3) and TEM Asbestos % (by Sec 2.5) are included in Table 1 along with a summary of Asbestos % by PLM for all samples analyzed.

This report relates ONLY to the sample analysis expressed as % asbestos. AmeriSci assumes no responsibility for customer supplied data such as “sample type”, "location", or “area sampled”. This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology accreditation requirements mandate that this report must not be reproduced, except in full, without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Glenn F. Massey

QA Manager | Authorized Signatory

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive

Midlothian, VA 23113

Date Received 9/19/2025 **AmeriSci Job #** 125092003
Date Examined 09/23/25 **P.O. #**
Page 1 **of** 1

RE: 2025-113; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
1A	125092003-01		4.0% (by CVES) by William M. Dunstan on 09/23/25	

Location: Exterior White Door Caulk w/Blue Paint; Bldg 2 Fire Rm
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 4.0%
Other Material: Non-fibrous 96%

1B	125092003-02		4.0% (by CVES) by William M. Dunstan on 09/23/25	

Location: Exterior White Door Caulk w/Blue Paint; Bldg 11 Fire Rm
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 4.0%
Other Material: Non-fibrous 96%

1C	125092003-03		4.0% (by CVES) by William M. Dunstan on 09/23/25	

Location: Exterior White Door Caulk w/Blue Paint; Bldg 27 Fire Rm
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 4.0%
Other Material: Non-fibrous 96%

Reporting Notes:

Analyzed by: William M. Dunstan 
Date: 9/23/2025

Reviewed by: Glenn F. Massey 

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using , Model microscope, Serial #, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

~~125091866~~ KHN 9/23/25

ASBESTOS-CONTAINING MATERIALS SURVEY

125092003

SITE: Bay Ridge Gardens
ADDRESS: 1 Bens Drive – Annapolis, MD
DATE: September 18th, 2025
CLIENT:

☐ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: Steven Agerbeek
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: ~~Stop~~ 24hr
TYPE OF ANALYSIS: PLM

HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY/ FRIABILITY
1	1A	Exterior	Bldg 2 Fire Rm	1/NF
1	1B	White	Bldg 11 Fire Rm	1
1	1C	Door caulk w/ blue paint	Bldg 27 Fire Rm	

SUBMITTED BY: STEVEN AGERBEEK DATE SUBMITTED: 09/18/25 SIGNATURE: Mark

RECEIVED BY: _____ DATE RECEIVED: _____ SIGNATURE: _____

DOMINION DUE DILIGENCE GROUP
201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

Received
SEP 19 2025

APPENDIX B

PHOTOGRAPHS

PHOTOGRAPHS

Project No.: 25-1272-A Project Name: Bay Ridge Gardens Apartments – Annapolis, MD



Photo #1:	Bay Ridge Gardens Apartments 1 Bens Drive Annapolis, MD 21403



Photo #2:	4" Blue Cove Base & Mastic Leasing Center Sample Set 13 – Non-ACMs



Photo #3:	Gray Wood Grain Luxury Vinyl Tile (LVT) & Mastic - Leasing Center Sample Set 3 – Non-ACMs



Photo #4:	24"x 24" Beige w/Brown Spots Vinyl Floor Leasing Center Bath Sample Set 6 – Non-ACM

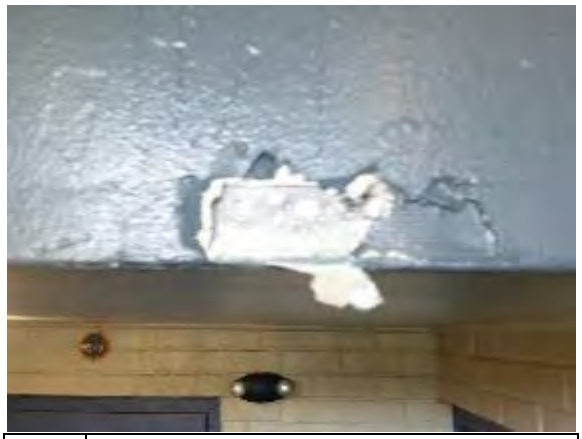


Photo #5:	Typical Joint Compound 1 Marcs Court Landing Ceiling Sample Set 2 – Non-ACM



Photo #6:	Typical HVAC Unit w/Aluminum Duct Tape 3 Marcs Court Not a Suspected ACM

PHOTOGRAPHS

Project No.: 25-1272-A Project Name: Bay Ridge Gardens Apartments – Annapolis, MD



Photo #7:	Typical HVAC Unit – Uninsulated PVC Pipe 3 Marcs Court



Photo #8:	Light Brown Wood Grain Luxury Vinyl Tile & Mastic - 5B Marcs Court Bedroom 1 Sample Set 4 – Non-ACMs



Photo #9:	Typical Drywall 1 Marcs Court Landing Ceiling Sample Set 1 – Non-ACM



Photo #10:	Typical Water Heater 11 Marcs Court



Photo #11:	Typical Fiberglass Pipe Insulation & PVC Elbows - 11 Marcs Court Not Suspected ACMs



Photo #12:	Typical Tub Caulk 11B Marcs Court Bath Sample Set 16 – Non-ACM

PHOTOGRAPHS

Project No.: 25-1272-A Project Name: Bay Ridge Gardens Apartments – Annapolis, MD



Photo #13:	Typical Dark Brown LVT & Mastic 13B Marcs Court Living Room Sample Set 5 – Non-ACMs



Photo #14:	Typical Brick Mortar 15 Marcs Court Breezeway Sample Set 22 – Non-ACM

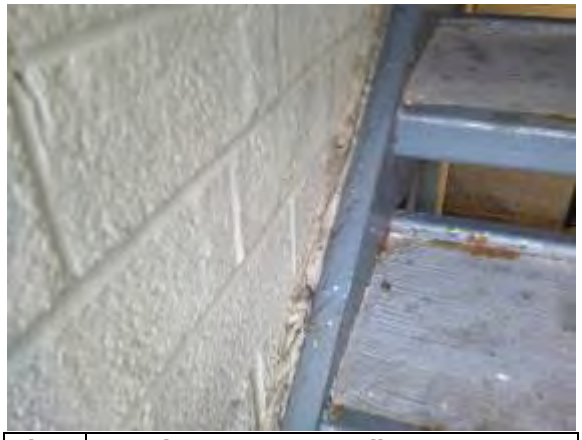


Photo #15:	Typical Stair Stringer Caulk 15 Marcs Court Breezeway Sample Set 18 – Non-ACM

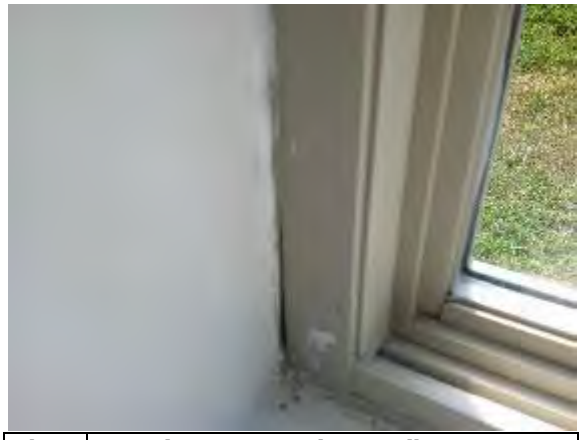


Photo #16:	Typical Interior Window Caulk 4B Bens Drive Kitchen Sample Set 15 – Non-ACM



Photo #17:	12” Gray w/Mixed Mottle Vinyl Floor Tile & Mastic - Maintenance Shop Office Sample Set 9 – Non-ACMs



Photo #18:	12” Beige w/Mixed Mottle VFT & Mastic 4B Bens Drive Kitchen Sample Set 7 – Non-ACMs

PHOTOGRAPHS

Project No.: 25-1272-A Project Name: Bay Ridge Gardens Apartments – Annapolis, MD

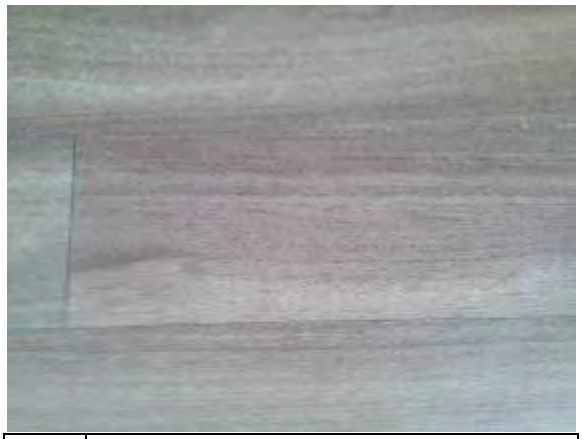


Photo #19:	Gray Wood Grain Luxury Vinyl Tile (LVT) & Mastic - 13B Bens Drive Living Room Sample Set 3 – Non-ACMs



Photo #20:	Typical Wall Ceramic Tile Thinset & Grout 4B Bens Drive Kitchen Sample Sets 10 & 11 – Non-ACMs

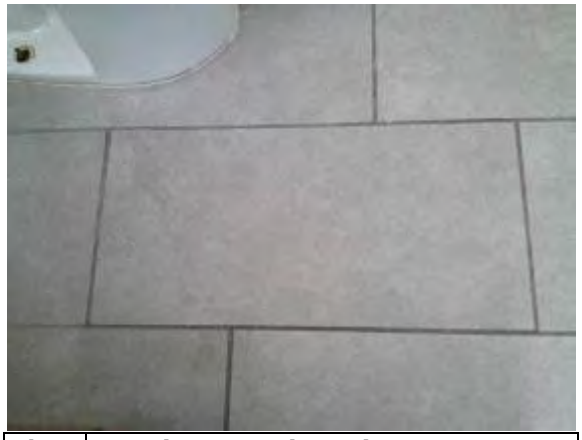


Photo #21:	Typical Ceramic Floor Tile Grout 20A Bens Drive Bath Sample Set 12 – Non-ACM



Photo #22:	Typical Fire Door Laundry Room Enclosed Assumed ACM Insulations Within



Photo #23:	Red Firestopping Laundry Room Sample Set 19 – Non-ACM



Photo #24:	Typical Roof Shingle & Felt Membrane 17 Marcs Court Sample Sets 23 & 24 – Non-ACMs

PHOTOGRAPHS

Project No.: 25-1272-A Project Name: Bay Ridge Gardens Apartments – Annapolis, MD



Photo #25:	Typical Roof Flashing Caulk 17 Marcs Court Sample Set 25 – Non-ACM



Photo #26:	Typical Exterior Window Caulk Leasing Office Sample Set 20 – Non-ACM



Photo #27:	Typical Exterior Green Entry Door Caulk 12 Bens Drive Fire/Mechanical Room Top Layer – Sample Set 21 – Non-ACM



Photo #28:	Typical Building Breezeway Ground Floor 8 Bens Drive



Photo #29:	Typical Building Breezeway 1st Floor 8 Bens Drive



Photo #30:	4” Brown Cove Base & Mastic Community Center Sample Set 14 – Non-ACMs

PHOTOGRAPHS

Project No.: 25-1272-A Project Name: Bay Ridge Gardens Apartments – Annapolis, MD



Photo #31:	2’ x 2’ Pinhole Fissure Ceiling Tile Community Center Sample Set 17 – Non-ACM



Photo #32:	Typical Uninsulated Sink Community Center Sink at Open Area

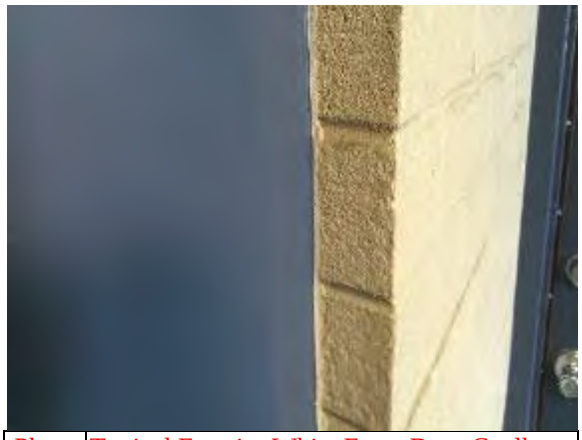


Photo #33:	Typical Exterior White Entry Door Caulk Stairwell 2 Fire/Mechanical Room Bottom Layer - Sample Set 1 (09-18-25) 4% Chrysotile Asbestos

APPENDIX C

SAMPLE LOCATION DIAGRAMS

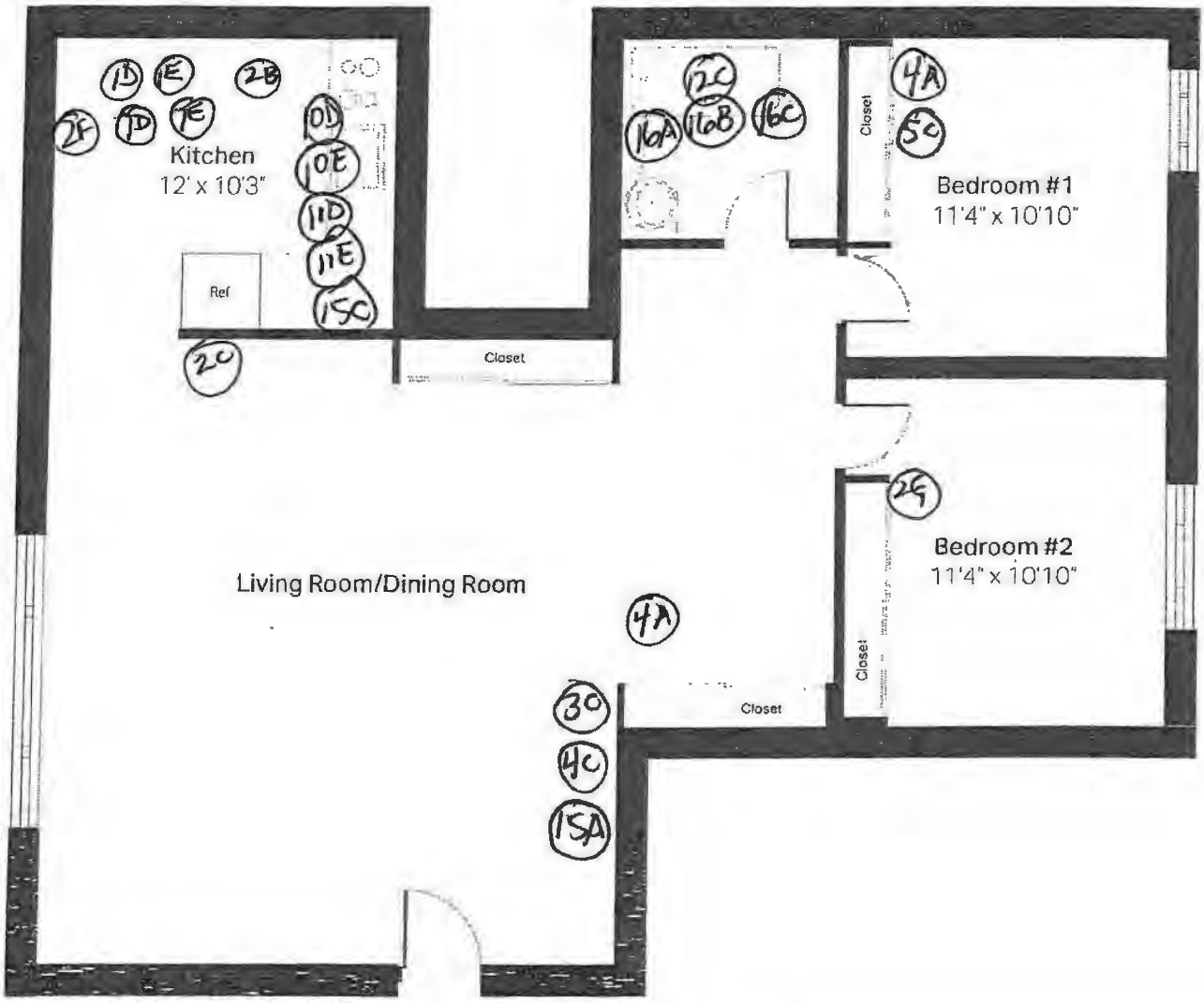


BAY RIDGE GARDENS APARTMENTS

Bonstra | Haresign ARCHITECTS

CS0006

Two Bedrooms
713 Sq Ft



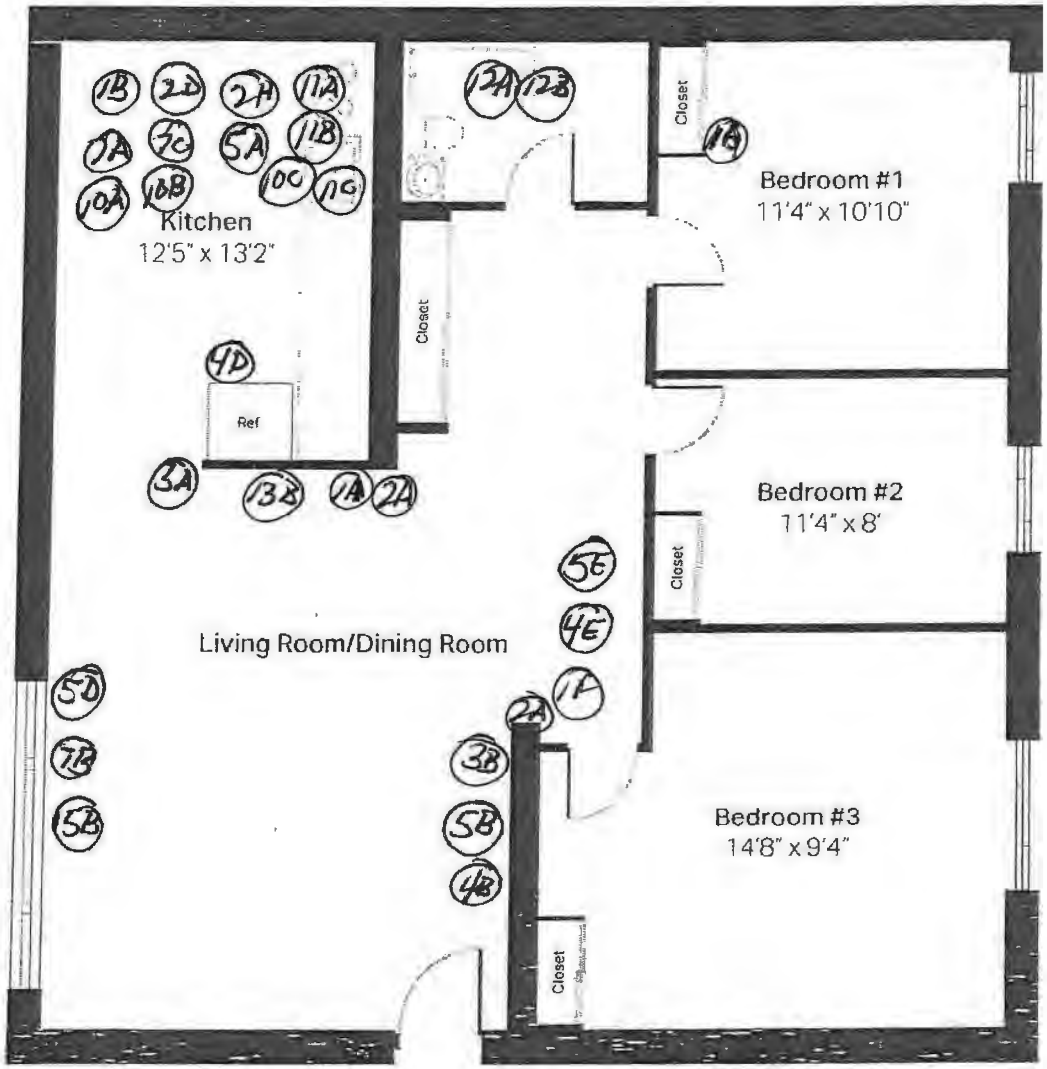
Bay Ridge Gardens
A ROSE COMMUNITY

*Elevations and floor plans are artist's renderings and are shown for illustration purposes only. All square feet are approximate only

Rose Community Management., Agent for Owner, does not discriminate on the basis of disability status in the admission or access to, or treatment or employment in, its federally assisted programs and activities Equal Housing Opportunity/Equal Opportunity Employer.

1 Bens Drive, Annapolis, MD 21403
el. 410-267-0267 | TTY: 711
bayridgegardens.com

Three Bedrooms
909 Sq Ft



*Elevations and floor plans are artist's renderings and are shown for illustration purposes only
All square feet are approximate only

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A ROSE COMMUNITY

1 Bens Drive, Annapolis, MD 21403
Tel: 410-267-0267 | TTY: 711
bayridgegardens.com

APPENDIX D

EMPLOYEE & LABORATORY ACCREDITATIONS

Asbestos Accreditation



Timothy Daniel Redmond
Name

Timothy D. Redmond
Signature

IMP Review
Course Title

250001068

Exam Date: 04/24/2025
Course Date: 04/11/2025
Exp Date: 04/11/2026

STATE OF MARYLAND

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

TIMOTHY DANIEL REDMOND

has met the attendance requirements and successfully completed the course entitled

1-DAY EPA ASBESTOS INSP/MGMT PLANNER REFRESHER

For Accreditation Under TSCA Title II

04/11/2025	04/11/2025	04/11/2026	DAVID TRUMAN
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***
AIMPR04112025-05	VAAIMPR04112025-05		
Certification No.	***VA Certification No.***		

E. Rush Barnett

Course Director

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

Asbestos Accreditation



Steven Agerbeek
Name

Signature

Inspector Review
Course Title

250001143

Exam Date: 05/02/2025
Course Date: 04/24/2025
Exp Date: 04/24/2026

STATE OF MARYLAND

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

STEVEN CORY AGERBEEK

has met the attendance requirements and successfully completed the course entitled

4-HOUR EPA ASBESTOS INSPECTOR REFRESHER

For Accreditation Under TSCA Title II

04/24/2025	04/24/2025	04/24/2026	STEVE SIERACKI
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***

VAIR04242025-01	VAVAIR04242025-01
Certification No.	***VA Certification No.***

SSN: -1850

E. Rush Barnett

Course Director

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101904-0

AmeriSci Richmond

Midlothian, VA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2025-07-01 through 2026-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AmeriSci Richmond
dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112
Cory M. Parnell
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ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101904-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Appendix N:

Asbestos Survey Report prepared by Partner

PARTNER
Engineering and Science, Inc.



ASBESTOS SURVEY REPORT

BAY RIDGE GARDENS
1 BENS DRIVE
ANNAPOLIS, MARYLAND 21403

November 13, 2020
Partner Project No. 20-291705.4



Prepared for

CAPITOL ONE, N.A.
2 BETHESDA METRO CENTER, 10TH FLOOR
BETHESDA, MARYLAND 20814

PARTNER
Engineering and Science, Inc.

November 13, 2020

Ms. Michelle Sonera
Capital One, N.A.
2 Bethesda Metro Center, 10th Floor
Bethesda, Maryland 20814

Subject: Asbestos Survey Report
Bay Ridge Gardens
1 Bens Drive
Annapolis, Maryland 21403
Partner Project No. 20-291705.4

Dear Ms. Michelle Sonera:

Partner Engineering and Science, Inc. (Partner) is pleased to provide the results of the *Asbestos Survey* of the abovementioned address (the "subject property"). This survey was performed in general conformance with the scope and limitations as detailed in our proposal.

This survey included a site reconnaissance as well as sampling and analysis. An assessment was conducted, conclusions stated, and recommendations outlined, as necessary.

We appreciate the opportunity to provide environmental services to Capital One, N.A. If you have any questions concerning this report, or if we can assist you in any other matter, please contact me at (310) 765-7243.

Sincerely,

Partner Engineering and Science, Inc.

Jenny Redlin
Relationship Manager

EXECUTIVE SUMMARY

Partner Engineering and Science, Inc. (Partner) was contracted by Capital One, N.A. to conduct an asbestos containing materials (ACMs) survey at the type of property located at the Bay Ridge Gardens located in Annapolis Maryland.

Based on the conditions set forth in this report, the following ACM were confirmed:

- White Exterior Door Caulking: a total of 300 doors were observed throughout the property

Of note, roofing materials were not included as part of the survey, therefore, are assumed to contain asbestos.

Additionally, based on the conclusions and noted condition of the ACMs, an Operations and Maintenance Plan should be completed and implemented to manage the identified and assumed ACMs (including previously tested NOB materials analyzed via PLM) at the subject property.

Of note, an O&M Plan outlines protocols that have been established to mandate how ACMs are managed on an as needed basis and during routine maintenance activities. Routine maintenance activities include cleaning activities; protective or preventative measures to keep a building, its systems and its grounds in working order; periodic replacement of a limited number of component parts of a building feature or system that are subject to normal wear and tear; and replacement of a damaged or malfunctioning component part of a building feature or system. In the absence of planned renovation/demolition activities, the EPA recommends that ACM be managed in-place whenever asbestos is identified in a building.

Per EPA regulations, ACMs handled by staff personnel should receive appropriate O&M training. As noted in the O&M Plan, "informed persons are less likely to disturb ACMs and cause fibers to be released into the air." The potential exists for additional suspect ACM to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

The USEPA recommends that all ACM be removed by a certified asbestos abatement contractor prior to any renovation or demolition activities that may impact the material. In the absence of planned renovation/demolition activities, the USEPA recommends that ACM be managed in-place whenever asbestos is identified in a building. Any damaged ACM should be removed, repaired, encapsulated, or enclosed. ACM that are not damaged may be managed in place in accordance with a written Operations and Maintenance Program.

Prior to any demolition and/or renovation operations which may disturb any asbestos-containing materials in their buildings, federal, state and local laws require building owners and/or their representatives must meet the following requirements:

- Notifications,

- Removal techniques (such as wetting) for ACM,
- Clean-up procedures,
- Waste storage and disposal requirements.

Actions taken in regard to the ACM should be in compliance with any applicable federal, state, and local regulations or codes that may apply to handling, disposal, and contracting. Presently, general renovation and disposal operations at both publicly and privately owned and operated facilities are regulated by the federal USEPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) Asbestos Standard (40 CFR 61, Subpart M). Private contractors who may be retained by a private building owner and the building owner itself, are under jurisdiction of the Occupational Safety and Health Administration (OSHA) asbestos regulations (29 CFR 1910.1001 and 29 CFR 1926.1101, for the general and construction industries, respectively).

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APPENDICES

Appendix A Analytical Results, Chain-of-Custody Forms

Appendix B Site Plan

Appendix C Certifications

Appendix D Photographic Documentation

1.0 INTRODUCTION

1.1 Property Description

Address:	1 Bens Drive, Annapolis, Maryland 21403
Nature of Use:	Multi-family Residential
Number of Buildings:	Thirteen (13) total — eleven (11) apartment buildings, one (1) clubhouse/leasing office, and one (1) laundry/maintenance building
Number of Floors:	Three (3) floors (apartment buildings); and one (1) floor (ancillary buildings)
Date of Construction:	1974
Surveyed By:	Mr. Loren Barrett and Ms. Indira Sofia Mendez
Assessment Date/Time:	October 22 & 23, 2020 and November 6, 2020

1.2 Purpose and Scope

Asbestos containing building materials can represent a significant risk to occupants and can require special handling. In order to assist the client in evaluation of the asset survey is intended to identify, sample, analyze and evaluate homogenous areas of suspect building materials to screen for materials containing more than 1.0% actinolite, amosite, anthophyllite, chrysotile, crocidolite, or tremolite asbestiform fibers (40 CFR 61, Subpart M) in accordance with the agreed scope of services. The limited pre-renovation asbestos-containing materials (ACM) survey was conducted in accordance with the United States Environmental Protection Agency (USEPA) regulation, 40 CFR Part 61, Subpart M, National Emissions Standard for Hazardous Air Pollutants (NESHAP).

The purpose of this survey is to investigate the condition of accessible suspect asbestos in the building will be impacted by scheduled renovation. Sampling conducted was intended as indicative of the materials tested and was not intended to conclusively determine the absence of ACM. Asbestos may be present in materials not sampled, and additional sampling may be warranted in the event of future disturbance of suspect materials. All suspect materials should be managed in accordance with applicable regulations, and damaged ACM should be removed, repaired, encapsulated, or enclosed in order to minimize the potential for release of asbestos fibers.

Additional services such as the interview of property management and maintenance personnel, tenants, review of prior reports, regulatory records, evaluation of compliance, risk assessment, and the development of abatement specifications are excluded from the scope of services, along with all other activities not expressly identified herein. No demolition, destructive testing, product research was performed in attempts to reveal material compositions.

This work is not intended as a specification for asbestos abatement or to otherwise support bidding for or completion of maintenance, abatement, removal or replacement activities. Quantification of the exact quantities of materials is beyond the scope of this survey. Any quantities of ACM listed are estimates only and should be confirmed by the user.

Partner and its subcontractor, and their employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to asbestos and/or asbestos contamination regardless of the actions taken by the survey team or the client.

1.3 Methodology

Suspect ACM were sampled according to the guidelines set forth in 40 CFR Part 763, and later analyzed using the Polarized Light Microscopy (PLM) method in accordance with the US. EPA reference method 600/R-93/116 for Determination of Asbestos in Bulk Building Materials.

The US. EPA as set forth in 40 CFR 763, defines a homogeneous area as "an area of surfacing material, thermal system insulation material, or miscellaneous material that is uniform in color and texture." The regulation requires that a minimum number of representative samples be collected from each homogeneous area. If asbestos is identified in any samples from a homogeneous area, the entire homogeneous area is considered to contain asbestos.

The aforementioned testing and analytical constraints can affect the findings and recommendations of this survey. Specifically, no assurance is given regarding the asbestos content of the samples beyond these parameters. Further investigation is not recommended unless the client can determine it is cost-effective to do so.

The ACM most likely to release asbestos fibers are those which are in a friable state. Friability describes the condition of asbestos. The definition of friable is any material, when dry, that is capable of being crumbled, pulverized or reduced to powder by hand pressure (40 CFR 763).

Non-friable sources of asbestos are materials containing cement or asphalt binder which may become friable and release fibers if the sources are exposed to actions such as abrasion, drilling, cutting, fracturing or hammering. Non-friable sources of asbestos do not typically pose a significant exposure risk if they remain in good condition and are not disturbed. During renovation or demolition activities, non-friable sources may become friable and thus may pose an exposure risk.

The PLM method is the most commonly used method to analyze building materials for the presence of asbestos. This method utilizes the optical properties of minerals to identify the selected constituent. The use of this method enables identification of the type and the percentage of asbestos in a given sample. The detection limit of the PLM method for asbestos identification is typically one percent (1%) asbestos.

For long-term maintenance purposes, due to the limitations of PLM analysis, non-friable organically bound (NOB) materials (i.e. floor tiles, covebase, mastics, roofing materials, caulks, etc.) found to contain no asbestos via PLM analysis to remain onsite after renovation is complete are considered inconclusive for asbestos content unless Transmission Electron Microscopy (TEM) analysis is performed. TEM analysis was not included within the scope of work. Therefore, any NOB materials to remain onsite should be managed along with other identified and/or suspect ACMs, including unsampled suspect ACMs, under an Operations and Maintenance (O&M) Program as suspect ACMs for maintenance/ repair purposes.

2.0 ASBESTOS SURVEY

2.1 Visual Inspection

During the course of the property visit, Partner performed a review of accessible areas of the subject building for the presence of suspect ACM. The purpose of this assessment is for potential renovation purposes only; therefore, additional suspect ACMs could be present.

Partner did not attempt to disassemble mechanical equipment, open pipe chases, or assess materials within wall voids. Regardless of the thoroughness of a survey, the possibility exists that some areas containing ACM were not identified, inaccessible, or different from those materials at specific locations.

The subject property consists of 34 three-story multi-family residential buildings constructed with interior drywall finishes and various vinyl floorings. The exterior facade is brick masonry with areas of pointed fiber cement lap siding.

Suspect asbestos-containing materials observed at the time of the inspection were sampled and analyzed for asbestos content. The survey also established whether any of the substrates sampled could be considered friable and/or significantly damaged or capable of immediate worker exposure.

2.2 Analytical Results

Twenty-seven units (27) were accessed at the site to evaluate the presence of presumed ACM. A total of 40 bulk samples of presumed ACM were collected for analysis. The samples were grouped into homogeneous categories, assigned individual sample numbers, sealed in plastic bags, and transported under proper chain-of-custody documentation to EMLAB P&K of Irvine, California. EMLAB is accredited by the American Industrial Hygiene Association (AIHA) and the National Voluntary Laboratory Accreditation Program (NVLAP No. 200232-0) for the analysis of asbestos bulk samples.

Refer to **Appendix A** for analytical data.

Analytical Results (ACM)

Sample No.	Location	Description	Asbestos Content
102220-01AB	1 Marcs A	White Drywall/ Joint Compound	ND
112220-02	1 Marcs A, Hallway	Wood Laminated Flooring	ND
112220-03	1 Marcs A, Bathroom	Gray Vinyl Sheet Flooring	ND
112220-04	1 Marcs B, Bathroom	Beige Vinyl Sheet Flooring	ND
112220-05AB	1 Marcs B	White Drywall/ Joint Compound	<1% Chrysotile*
112220-06	1 Marcs B, Bedroom	White Interior Window Caulking	ND
112220-07	**1 Marcs B, Mech. Closet**	**White Exterior Door Caulking**	**4% Chrysotile**
112220-08AB	3 Marcs D	White Drywall/ Joint Compound	ND

Sample No.	Location	Description	Asbestos Content
112220-09AB	9 Marcs B	White Drywall/ Joint Compound	ND
112220-10AB	11 Marcs E	White Drywall/ Joint Compound	<1% Chrysotile*
112220-11AB	13 Marcs A, Living Room	White Drywall/ Joint Compound	ND
112220-12AB	13 Marcs B, Bedroom	White Drywall/ Joint Compound	ND
112220-13	13 Marcs B, Bedroom	White Interior Window Caulking	ND
112220-14AB	17 Marcs E, Kitchen	White Drywall/ Joint Compound	ND
112220-15	17 Marcs E, Bathroom	Beige Vinyl Sheet Flooring	ND
112220-16	17 Marcs E, Hallway	Wood Laminated Flooring	ND
112220-17AB	15 Marcs A, Bathroom	White Drywall/ Joint Compound	ND
112220-18AB	4 Bens E	White Drywall/ Joint Compound	ND
112220-19AB	6 Bens A, Kitchen	White Drywall/ Joint Compound	ND
112220-20AB	9 Bens A, Bedroom	White Drywall/ Joint Compound	ND
112220-21AB	13 Bens A, Bedroom	White Drywall/ Joint Compound	ND
112220-22	13 Bens A, Bathroom	Gray Vinyl Sheet Flooring	ND
112220-23AB	15 Bens B, Living Room	White Drywall/ Joint Compound	ND
112220-24AB	17 Bens A, Kitchen	White Drywall/ Joint Compound	ND
112220-25AB	19 Bens C, Bathroom	White Drywall/ Joint Compound	<1% Chrysotile*
112220-26AB	25 Bens A, Bedroom	White Drywall/ Joint Compound	ND
112220-27AB	18 Bens A, Hallway	White Drywall/ Joint Compound	ND
112220-28AB	18 Bens B, Hallway	White Drywall/ Joint Compound	ND
112220-29AB	29 Bens B, Kitchen	White Drywall/ Joint Compound	ND
112220-30AB	24 Bens D, Living Room	White Drywall/ Joint Compound	ND
112220-31AB	20 Bens E, Kitchen	White Drywall/ Joint Compound	ND
112220-32	27 Bens F, Hallway	White Drywall/ Joint Compound	ND
112220-33AB	17 Bens D, Bedroom	White Drywall/ Joint Compound	ND
112220-34AB	14 Bens B, Bathroom	White Drywall/ Joint Compound	ND
112220-35AB	10 Bens A, Kitchen	White Drywall/ Joint Compound	ND
112220-36AB	15 Bens, Hallway	White Drywall/ Joint Compound	<1% Chrysotile*
112220-37AB	Laundry Room	White Drywall/ Joint Compound	ND
112220-38AB		White Drywall/ Joint Compound	ND
112220-39		Joint Compound	ND
112220-40	Laundry Room	Beige 12" x 12" Floor Tile	ND
112220-41		Beige 12" x 12" Floor Tile	ND
112220-42		White 12" x 12" Floor Tile under 112220-40	ND
112220-43		White 12" x 12" Floor Tile under 112220-41	ND
112220-44AB	**Leasing Office**	Tan Vinyl Sheet Flooring	ND

Sample No.	Location	Description	Asbestos Content
112220-45		Tan Vinyl Sheet Flooring	ND
112220-46		Green Floor Tile	ND
112220-47		Green Floor Tile	ND
112220-48AB		White Drywall/ Joint Compound	ND
112220-49AB		White Drywall/ Joint Compound	ND
112220-50		White 2' x 4' Ceiling Tile	ND
112220-51		White 2' x 4' Ceiling Tile	ND
112220-52		**White Exterior Door Caulking**	**4% Chrysotile**

ND: No Asbestos Fibers Were Detected

*Trace amounts of asbestos identified in joint compound only

ACM is defined as any material containing more than one percent (1%) asbestos as determined using PLM (40 CFR 61). Documentation of the laboratory results should be retained as a reference for future renovation/ demolition activities.

Partner cautions that additional forms of asbestos may be located within other inaccessible interior and exterior areas of the building that were not assessed or sampled as part of this limited pre-renovation ACM survey, which may be encountered during demolition and/or renovation activities. If additional suspect ACM will be impacted during demolition and/or renovation activities that was not assessed as part of this ACM survey, they should either be assumed as ACM or sampled by a USEPA Accredited/ Maryland Certified Asbestos Inspector and analyzed for asbestos content to prove otherwise, prior to any demolition and/or renovation activities that could impact these materials

For long-term maintenance purposes, due to the limitations of PLM analysis, non-friable organically bound (NOB) materials (i.e. floor tiles, covebase, mastics, roofing materials, caulks, etc.) found to contain no asbestos via PLM analysis to remain onsite after renovation is complete are considered inconclusive for asbestos content unless Transmission Electron Microscopy (TEM) analysis is performed. TEM analysis was not included within the scope of work. Therefore, any NOB materials to remain onsite should be managed along with other identified and/or suspect ACMs, including unsampled suspect ACMs, under an Operations and Maintenance (O&M) Program as suspect ACMs for maintenance/ repair purposes.

3.0 CONCLUSION

Based on the conditions set forth in this report, the following ACM were confirmed:

- White Exterior Door Caulking: a total of 300 doors were observed throughout the property

Of note, roofing materials were not included as part of the survey, therefore, are assumed to contain asbestos.

Additionally, based on the conclusions and noted condition of the ACMs, an Operations and Maintenance Plan should be completed and implemented to manage the identified and assumed ACMs (including previously tested NOB materials analyzed via PLM) at the subject property.

Of note, an O&M Plan outlines protocols that have been established to mandate how ACMs are managed on an as needed basis and during routine maintenance activities. Routine maintenance activities include cleaning activities; protective or preventative measures to keep a building, its systems and its grounds in working order; periodic replacement of a limited number of component parts of a building feature or system that are subject to normal wear and tear; and replacement of a damaged or malfunctioning component part of a building feature or system. In the absence of planned renovation/demolition activities, the EPA recommends that ACM be managed in-place whenever asbestos is identified in a building.

Per EPA regulations, ACMs handled by staff personnel should receive appropriate O&M training. As noted in the O&M Plan, "informed persons are less likely to disturb ACMs and cause fibers to be released into the air." The potential exists for additional suspect ACM to be exposed during demolition and/or renovation activities. Such materials should be sampled and analyzed for asbestos content prior to any renovation and/or demolition activities that could impact these materials.

The USEPA recommends that all ACM be removed by a certified asbestos abatement contractor prior to any renovation or demolition activities that may impact the material. In the absence of planned renovation/demolition activities, the USEPA recommends that ACM be managed in-place whenever asbestos is identified in a building. Any damaged ACM should be removed, repaired, encapsulated, or enclosed. ACM that are not damaged may be managed in place in accordance with a written Operations and Maintenance Program.

Prior to any demolition and/or renovation operations which may disturb any asbestos-containing materials in their buildings, federal, state and local laws require building owners and/or their representatives must meet the following requirements:

- Notifications,
- Removal techniques (such as wetting) for ACM,
- Clean-up procedures,
- Waste storage and disposal requirements.

Actions taken in regard to the ACM should be in compliance with any applicable federal, state, and local regulations or codes that may apply to handling, disposal, and contracting. Presently, general renovation and disposal operations at both publicly and privately owned and operated facilities are regulated by the federal USEPA's National Emission Standard for Hazardous Air Pollutants (NESHAP) Asbestos Standard (40 CFR 61, Subpart M). Private contractors who may be retained by a private building owner and the building owner itself, are under jurisdiction of the Occupational Safety and Health Administration (OSHA) asbestos regulations (29 CFR 1910.1001 and 29 CFR 1926.1101, for the general and construction industries, respectively).

4.0 LIMITATIONS

No warranties expressed or implied, are made by Partner or its subcontractor EMLAB P&K of Irvine, California or their employees as to the use of any information, apparatus, product or process disclosed in this report. Every reasonable effort has been made to assure correctness. If an Asbestos Abatement Contractor or other Demolition/Construction Contractor is employed, such contractor should bring any discrepancies found in this report as it relates to current site conditions or newly discovered site conditions to the immediate attention of Partner.

This report should not be used solely for abatement bidding purposes. Any quantities of ACM listed are estimates only and not meant to be used to solicit abatement quotations. These quantities should be confirmed by abatement contractors prior to submitting bids for abatement.

State-of-the-art practices have been employed to perform this asbestos survey. The scope of this evaluation was severely limited to areas which were considered reasonably accessible (i.e., less than 15 feet from the floor), or within range of a visual inspection through reasonable means. No demolition or product research was performed in attempts to reveal material compositions. The services consist of professional opinions and recommendations made in accordance with generally accepted engineering principles/practices. These services are designed to provide an analytical tool to assist the client. Partner and its employees/representatives bear no responsibility for the actual condition of the structure or safety of this site pertaining to asbestos contamination regardless of the actions taken by the survey team or the client.

5.0 SIGNATURES OF PROFESSIONALS

Partner has performed an ACM survey on the property at the Bay Ridge Apartments in Annapolis, Maryland, in general conformance with the scope and limitations of the protocol and the limitations stated earlier in this report. Exceptions to or deletions from this protocol are discussed earlier in this report.

Prepared By:

Partner Engineering and Science, Inc.



Indira S. Mendez
Inspector



Karen Willing, CAC, CLIA
Senior Reviewer

APPENDIX A

1 ANALYTICAL RESULTS

2 CHAIN OF CUSTODY

eurofins | EMLab P&K

Report for:

Karen Willing
Partner Engineering & Science Inc. NorCal
1544 Eureka Road, Suite 180
Roseville, CA 95661

Regarding: Project: 20-291405.2; Bay Ridge Gardens - 1 Beds Drive, Annapolis, MD
EML ID: 2510340

Approved by:



Approved Signatory
Tracy Garcia

Dates of Analysis:
Asbestos PLM: 10-30-2020

Service SOPs: Asbestos PLM (EPA 40CFR App E to Sub E of Part 763 & EPA METHOD 600/R-93-116, SOP EM-AS-S-1267)
NVLAP Lab Code 201060-0

All samples were received in acceptable condition unless noted in the Report Comments portion in the body of the report. The results relate only to the samples as received. The results include an inherent uncertainty of measurement associated with estimating percentages by polarized light microscopy. Measurement uncertainty data for sample results with >1% asbestos concentration can be provided when requested.

Eurofins EMLab P&K ("the Company") shall have no liability to the client or the client's customer with respect to decisions or recommendations made, actions taken or courses of conduct implemented by either the client or the client's customer as a result of or based upon the Test Results. In no event shall the Company be liable to the client with respect to the Test Results except for the Company's own willful misconduct or gross negligence nor shall the Company be liable for incidental or consequential damages or lost profits or revenues to the fullest extent such liability may be disclaimed by law, even if the Company has been advised of the possibility of such damages, lost profits or lost revenues. In no event shall the Company's liability with respect to the Test Results exceed the amount paid to the Company by the client therefor.

Eurofins EMLab P&K
6500 McDonough Dr, Suite C-10, Norcross, GA 30093
(866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Partner Engineering & Science Inc. NorCal
C/O: Karen Willing
Re: 20-291405.2; Bay Ridge Gardens - 1 Beds Drive, Annapolis, MD

Date of Sampling: 10-22-2020
Date of Receipt: 10-27-2020
Date of Report: 10-30-2020

ASBESTOS PLM REPORT

Total Samples Submitted:	52
Total Samples Analyzed:	52
Total Samples with Layer Asbestos Content > 1%:	2

Location: 102020-1AB, Drywall and Drywall Joint Compound

Lab ID-Version‡: 11960286-1

Sample Layers	Asbestos Content
White Texture with Beige Paint	ND
Cream Tape	ND
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 112020-2, Wood link Vinyl Floor Hallway

Lab ID-Version‡: 11960287-1

Sample Layers	Asbestos Content
Brown Linoleum with Fibrous Backing	ND
Semi-Transparent Adhesive	ND
Black Non-Fibrous Material	ND
Composite Non-Asbestos Content:	8% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 112020-3, Grey Rolled Floor Bathroom

Lab ID-Version‡: 11960288-1

Sample Layers	Asbestos Content
Beige Sheet Flooring	ND
Cream Adhesive	ND
Gray Leveling Compound	ND
Sample Composite Homogeneity:	Good

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

Eurofins EMLab P&K
6500 McDonough Dr, Suite C-10, Norcross, GA 30093
(866) 871-1984 Fax (954) 776-8485 www.emlab.com

Client: Partner Engineering & Science Inc. NorCal
C/O: Karen Willing
Re: 20-291405.2; Bay Ridge Gardens - 1 Beds Drive, Annapolis, MD

Date of Sampling: 10-22-2020
Date of Receipt: 10-27-2020
Date of Report: 10-30-2020

ASBESTOS PLM REPORT

Location: 112020-4, Beige Rolled Flooring Bathroom Lab ID-Version‡: 11960289-1

Sample Layers	Asbestos Content
Tan Sheet Flooring	ND
Semi-Transparent Adhesive	ND
White Leveling Compound	ND
Sample Composite Homogeneity:	Good

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Client: Partner Engineering & Science Inc. NorCal
C/O: Karen Willing
Re: 20-291405.2; Bay Ridge Gardens - 1 Beds Drive, Annapolis, MD

Date of Sampling: 10-22-2020
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ASBESTOS PLM REPORT

Location: 112020-5AB, Drywall and Drywall Joint Compound

Lab ID-Version‡: 11960290-1

Sample Layers	Asbestos Content
White Compound with Beige Paint	ND
Cream Texture with Paint	< 1% Chrysotile
Cream Tape	ND
Cream Joint Compound	< 1% Chrysotile
Off-White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: 112020-6, White Window Caulk Bedroom

Lab ID-Version‡: 11960291-1

Sample Layers	Asbestos Content
Beige Caulk	ND
Sample Composite Homogeneity:	Good

Location: 112020-7, White Door Caulk Exterior Door

Lab ID-Version‡: 11960292-1

Sample Layers	Asbestos Content
Tan Caulk with Multicolored Paint	4% Chrysotile
Sample Composite Homogeneity:	Poor

Location: 112020-8AB, Drywall and Drywall Joint Compound

Lab ID-Version‡: 11960293-1

Sample Layers	Asbestos Content
White Texture with Paint	ND
Cream Tape	ND
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

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ASBESTOS PLM REPORT

Location: 112020-9AB, Drywall and Drywall Joint Compound

Lab ID-Version‡: 11960294-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-10AB, Drywall and Drywall Joint Compound

Lab ID-Version‡: 11960295-1

Sample Layers	Asbestos Content
White Texture with Paint	ND
Cream Joint Compound with Paint	< 1% Chrysotile
Off-White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: 112020-11AB, Drywall and Drywall Joint Compound Living Room

Lab ID-Version‡: 11960296-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-12AB, Drywall and Drywall Joint Compound Bedroom

Lab ID-Version‡: 11960297-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 112020-13, White Window Caulk Bedroom Lab ID-Version‡: 11960298-1

Sample Layers	Asbestos Content
Beige Caulk with White Paint	ND
Sample Composite Homogeneity:	Good

Location: 112020-14AB, Drywall and Drywall Joint Compound Kitchen Lab ID-Version‡: 11960299-1

Sample Layers	Asbestos Content
Beige Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

Location: 112020-15, Beige Rolled Flooring Bathroom Lab ID-Version‡: 11960300-1

Sample Layers	Asbestos Content
Tan Sheet Flooring	ND
Sample Composite Homogeneity:	Good

Location: 112020-16, Wood like Vinyl Flooring Hallway Lab ID-Version‡: 11960301-1

Sample Layers	Asbestos Content
Brown Linoleum	ND
Semi-Transparent Adhesive / Gray Leveling Compound (Trace)	ND
Brown Wood	ND
Composite Non-Asbestos Content:	5% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 112020-17AB, Drywall and Drywall Joint Compound Bathroom Lab ID-Version‡: 11960302-1

Sample Layers	Asbestos Content
Beige Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

Location: 112020-18AB, Drywall and Drywall Joint Compound Lab ID-Version‡: 11960303-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-19AB, Drywall and Drywall Joint Compound Kitchen Lab ID-Version‡: 11960304-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-20AB, Drywall and Drywall Joint Compound Bedroom Lab ID-Version‡: 11960305-1

Sample Layers	Asbestos Content
Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

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ASBESTOS PLM REPORT

Location: 112020-21AB, Drywall and Drywall Joint Compound Bedroom Lab ID-Version‡: 11960306-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-22, Drywall and Drywall Joint Compound Bathroom Lab ID-Version‡: 11960307-1

Sample Layers	Asbestos Content
Beige Sheet Flooring	ND
Yellow Adhesive	ND
Sample Composite Homogeneity:	Good

Location: 112020-23AB, Drywall and Drywall Joint Compound Living Room Lab ID-Version‡: 11960308-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-24AB, Drywall and Drywall Joint Compound Kitchen Lab ID-Version‡: 11960309-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 112020-25AB, Drywall and Drywall Joint Compound Bathroom Lab ID-Version‡: 11960310-1

Sample Layers	Asbestos Content
White Texture with Beige Paint	ND
Cream Tape	ND
Beige Joint Compound	< 1% Chrysotile
White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

Location: 112020-26AB, Drywall and Drywall Joint Compound Bedroom Lab ID-Version‡: 11960311-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint/ Transparent Mesh Fibers	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose 7% Glass Fibers
Sample Composite Homogeneity:	Good

Location: 112020-27AB, Drywall and Drywall Joint Compound Hallway Lab ID-Version‡: 11960312-1

Sample Layers	Asbestos Content
Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

Location: 112020-28AB, Drywall and Drywall Joint Compound Hallway Lab ID-Version‡: 11960313-1

Sample Layers	Asbestos Content
Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

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ASBESTOS PLM REPORT

Location: 112020-29AB, Drywall and Drywall Joint Compound Kitchen Lab ID-Version‡: 11960314-1

Sample Layers	Asbestos Content
Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

Location: 112020-30AB, Drywall and Drywall Joint Compound Living Room Lab ID-Version‡: 11960315-1

Sample Layers	Asbestos Content
White Texture with Beige Paint	ND
Cream Tape	ND
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 112020-31AB, Drywall and Drywall Joint Compound Kitchen Lab ID-Version‡: 11960316-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 112020-32AB, Drywall and Drywall Joint Compound Hallway Lab ID-Version‡: 11960317-1

Sample Layers	Asbestos Content
White Joint Compound with Pink Paint	ND
Green Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

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ASBESTOS PLM REPORT

Location: 112020-33AB, Drywall and Drywall Joint Compound Bedroom Lab ID-Version‡: 11960318-1

Sample Layers	Asbestos Content
White Texture with Beige Paint	ND
Cream Tape	ND
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 112020-34AB, Drywall and Drywall Joint Compound Bathroom Lab ID-Version‡: 11960319-1

Sample Layers	Asbestos Content
Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Comments: There is no joint compound present in this sample.

Location: 112020-35AB, Drywall and Drywall Joint Compound Kitchen Lab ID-Version‡: 11960320-1

Sample Layers	Asbestos Content
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112020-36AB, Drywall and Drywall Joint Compound Hallway Lab ID-Version‡: 11960321-1

Sample Layers	Asbestos Content
White Texture with Beige Paint	ND
Beige Paint	ND
Beige Joint Compound	< 1% Chrysotile
Off-White Drywall with Brown Paper	ND
Composite Asbestos Fibrous Content:	< 1% Asbestos
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Comments: Composite asbestos content provided is only for Drywall/Joint compound. Composite content provided for this analysis has been performed by following the NESHAP guidelines.

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ASBESTOS PLM REPORT

Location: 112020-37AB, Drywall and Drywall Joint Compound Living Room Lab ID-Version‡: 11960322-1

Sample Layers	Asbestos Content
White Joint Compound with Beige Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 112020-38AB, Drywall and Drywall Joint Compound Bedroom Lab ID-Version‡: 11960323-1

Sample Layers	Asbestos Content
White Texture with Blue Paint	ND
Cream Tape	ND
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

Location: 112020-39, Drywall Joint Compound Lab ID-Version‡: 11960324-1

Sample Layers	Asbestos Content
White Joint Compound with Blue Paint	ND
Sample Composite Homogeneity:	Good

Location: 112020-40, Beige Floor Tile Lab ID-Version‡: 11960325-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Yellow Mastic	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 112220-41, Beige Floor Tile Lab ID-Version‡: 11962076-1

Sample Layers	Asbestos Content
Tan Floor Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity:	Good

Location: 112220-42, White 12x12 Floor Tile Under Beige Floor Tile Lab ID-Version‡: 11962077-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Multicolored Adhesive / Leveling Compound	ND
Composite Non-Asbestos Content:	< 1% Cellulose
Sample Composite Homogeneity:	Good

Location: 112220-43, White 12x12 Floor Tile Under Beige Floor Tile Lab ID-Version‡: 11962078-1

Sample Layers	Asbestos Content
Beige Floor Tile	ND
Brown Adhesive	ND
Sample Composite Homogeneity:	Good

Location: 112220-44, Tan Rolled Flooring Lab ID-Version‡: 11962079-1

Sample Layers	Asbestos Content
Tan Linoleum	ND
Sample Composite Homogeneity:	Good

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ASBESTOS PLM REPORT

Location: 112220-45, Tan Rolled Flooring

Lab ID-Version‡: 11962080-1

Sample Layers	Asbestos Content
Tan Linoleum	ND
Yellow Adhesive	ND
Sample Composite Homogeneity:	Good

Location: 112220-46, Green Floor Tile

Lab ID-Version‡: 11962081-1

Sample Layers	Asbestos Content
Green Floor Tile	ND
Yellow Adhesive	ND
Sample Composite Homogeneity:	Good

Location: 112220-47, Green Floor Tile

Lab ID-Version‡: 11962082-1

Sample Layers	Asbestos Content
Yellow Adhesive	ND
Green Floor Tile	ND
Gray Leveling Compound	ND
Sample Composite Homogeneity:	Good

Location: 112220-48, Drywall and Drywall Joint Compound Living Room

Lab ID-Version‡: 11962083-1

Sample Layers	Asbestos Content
White Texture with Brown Paint	ND
Cream Tape	ND
White Joint Compound	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	15% Cellulose
Sample Composite Homogeneity:	Moderate

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Client: Partner Engineering & Science Inc. NorCal
C/O: Karen Willing
Re: 20-291405.2; Bay Ridge Gardens - 1 Beds Drive, Annapolis, MD

Date of Sampling: 10-22-2020
Date of Receipt: 10-27-2020
Date of Report: 10-30-2020

ASBESTOS PLM REPORT

Location: 112220-49, Drywall and Drywall Joint Compound Bedroom Lab ID-Version‡: 11962084-1

Sample Layers	Asbestos Content
White Joint Compound with Brown Paint	ND
Off-White Drywall with Brown Paper	ND
Composite Non-Asbestos Content:	10% Cellulose
Sample Composite Homogeneity:	Good

Location: 112220-50, 2x4 White Ceiling Tile Lab ID-Version‡: 11962085-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 7% Mineral Wool
Sample Composite Homogeneity:	Good

Location: 112220-51, 2x4 White Ceiling Tile Lab ID-Version‡: 11962086-1

Sample Layers	Asbestos Content
Gray Ceiling Tile with White Surface	ND
Composite Non-Asbestos Content:	40% Cellulose 7% Mineral Wool
Sample Composite Homogeneity:	Good

Location: 112220-52, White Door Caulk Exterior Lab ID-Version‡: 11966956-1

Sample Layers	Asbestos Content
Tan Caulk with Multicolored Paint	5% Chrysotile
Sample Composite Homogeneity:	Poor

The test report shall not be reproduced except in full, without written approval of the laboratory. The report must not be used by the client to claim product certification, approval, or endorsement by any agency of the federal government. Eurofins EMLab P&K reserves the right to dispose of all samples after a period of thirty (30) days, according to all state and federal guidelines, unless otherwise specified.

Inhomogeneous samples are separated into homogeneous subsamples and analyzed individually. ND means no fibers were detected. When detected, the minimum detection and reporting limit is less than 1% unless point counting is performed. Floor tile samples may contain large amounts of interference material and it is recommended that the sample be analyzed by gravimetric point count analysis to lower the detection limit and to aid in asbestos identification.
‡ A "Version" indicated by -"x" after the Lab ID# with a value greater than 1 indicates a sample with amended data. The revision number is reflected by the value of "x".

CHAIN OF CUSTODY — EMLab P&K

www.EMLabPK.com

Morrison, NJ: 3000 Lincoln Drive East,Suite A Morrison, NJ 08053 (856) 871-1984
Phoenix, AZ: 1501 West Knudson Drive, Phoenix, AZ 85027 * (800) 651-4802
S. San Francisco, CA:
6000 Shoreline Ct. Ste 202 S. San Francisco, CA 94080 * (866) 888-8663

WEATHER	Fog	Rain	Snow	Wind	Clear
None					
Light					
Moderate					
Heavy					

REQUESTED SERVICES (✓ Boxes)

002510540

CONTACT INFORMATION

Partner Engineering & Science Inc - Acct. # 36643
Attn: Kasee Willing
Phone/Email: 707-307-0845/kwilling@partnereal.com

1544 Eureka Road, Suite 180, Roseville, CA 95661
Special Instructions:

PROJECT INFORMATION

Project ID: 20-891706.2
Project Desc.: 1 Bens Drive, Annapolis, MD
Project Zip Code: 21403
Sampling Date & Time:
PO Number:

TURNAROUND TIME CODES - (TAT)

STD - Standard (DEFAULT)
ND - Next Business Day
SD - Same Business Day Rush
WH - Weekend/Holiday

Rushes received after 2pm or on weekends will be considered received the next business day. Please alert us in advance of weekend analysis needs.

Sample ID	Description	Sample Type (Below)	TAT (Above)	Total Volume/Area	NOTES (Time of Day, Temp, RL, etc.)	Asbestos - PLM	Lead - Paint Chips	Mold - Sporetrap Analysis	Mold - Surface - Direct Exam	Lead - Drinking Water - 200.0	Asbestos TEM
	see attached	B	STD			X					

SAMPLE TYPE CODES

	ST - Sporo Trap	T - Tape	D - Dust
		SW - Swab	SO - Soil
	P - Potable Water	B - Bulk	
	NP - Non-Potable Water	O - Other:	

RELINQUISHED BY	DATE & TIME	RECEIVED BY	DATE & TIME
Igloo barrel	10/29/2020		
	10/29/20 15:30		10/30/20 8:52

By submitting this Chain of Custody, you agree to be bound by the terms and conditions set forth at www.emlabpk.com/terms.html

Copyright © 2002-2020 EMLab P&K

PROJECT NAME: BAY RIDGE GARDENS

PROJECT LOCATION:

JOB NUMBER:

TURNAROUND TIME:

PROJECT INSPECTORS: LOREN BARNETT

PROJECT MANAGER:

DATE SAMPLED: 10-22-2020

DATE RESULTS NEEDED:

00251340

SAMPLE NUMBER	HM #	ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
102220-01AB		1 MARCS A	B	M				N	Drywall and Drywall Joint Compound	
102220-02		1 MARCS A	B	M				N	Wood Tile Vinyl Floor Hallway	
102220-03		1 MARCS A	B	M				N	Grey Rolled Floor Bathrom	
102220-04		1 MARCS B	B	M				N	Beige Rolled Flooring Bathroom	
102220-05AB		1 MARCS B	B	M				N	Drywall and Drywall Joint Compound	
102220-06		1 MARCS B	B	M				N	White Window Chalk Bedroom	
102220-07		1 MARCS mech. closet	B	M				N	White Door Caulk Exterior door	
102220-08AB		3 MARCS B	1	M				N	Drywall and Drywall Joint Compound	
102220-09AB		9 MARCS B	B	M				N	Drywall and Drywall Joint Compound	
102220-10AB		11 MARCS E	2	M				N	Drywall and Drywall Joint Compound	

CHAIN OF CUSTODY

Sampled By:

Signature:

Date/Time:

Received by: L. Marcia

Signature: L. Marcia

Date/Time: 10/30/20 8:52

Transported by:

Signature:

Date/Time:

Lab Custody:

Signature:

Date/Time:

Rlig LE 10/28/20 15:00

PROJECT NAME: PROJECT INSPECTORS:

PROJECT LOCATION: PROJECT MANAGER:

JOB NUMBER: DATE SAMPLED:

00251034Q

TURNAROUND TIME: DATE RESULTS NEEDED:

SAMPLE NUMBER	HM #	ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
112220-11AB		13 MARCS A	B	M			G	N	Drywall and Drywall Joint Compound Living Room	
112220-12AB		13 MARCS B	B	M			G	N	Drywall and Drywall Joint Compound Bedroom	
112220-13		13 MARCS B	B	M			G	N	White Window Caulk Bedroom	
112220-14AB		17 MARCS E	2	M			G	N	Drywall and Drywall Joint Compound Kitchen	
112220-15		17 MARCS E	2	M			G	N	Beige Rolled Flooring Bathroom	
112220-16		17 MARCS E	2	M			G	N	Wood Like vinyl Flooring Hallway	
112220-17AB		18 MARCS A	B	M			G	N	Drywall and Drywall Joint Compound Bathroom	
112220-18AB		4 BENS F	2	M			G	N	Drywall and Drywall Joint Compound	
112220-19AB		6 BENS A	B	M			G	N	Drywall and Drywall Joint Compound Kitchen	
112220-20AB		9 BENS A	B	M			G	N	Drywall and Drywall Joint Compound Bedroom	

CHAIN-OF-CUSTODY

Sampled By: Received by: T. Garcia Transported by: Lab Custody:

Signature: Signature: J. Marcia Signature: Signature:

Date/Time: Date/Time: 10/30/20 8:15 Date/Time: Date/Time:

Storage: Storage: Storage: Storage:

YG 10/28/21 15:00

PROJECT NAME: PROJECT INSPECTORS:

PROJECT LOCATION: PROJECT MANAGER:

JOB NUMBER: DATE SAMPLED:

002510340

TURNAROUND TIME: DATE RESULTS NEEDED:

SAMPLE NUMBER	HM #	ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
112220-21AB		13 BENS A	B	M			G	N	Drywall and Drywall Joint Compounds bedroom	
112220-22		13 BENS A	B	M			G	N	Gray Tiled Flooring Bathroom	
112220-23AB		13 BENS B	B	M			G	N	Drywall and Drywall Joint Compound Living room	
112220-24AB		17 BENS A	B	M			G	N	Drywall and Drywall Joint Compound Kitchen	
112220-25AB		19 BENS C	1	M			G	N	Drywall and Drywall Joint Compound Bathroom	
112220-26AB		25 BENS A	B	M			G	N	Drywall and Drywall Joint Compound Bedroom	
112220-27AB		18 BENS A	B	M			G	N	Drywall and Drywall Joint Compound Hallway	
112220-28AB		18 BENS B	B	M			G	N	Drywall and Drywall Joint Compound Hallway	
112220-29AB		29 BENS B	B	M			G	N	Drywall and Drywall Joint Compound Kitchen	
112220-30AB		24 BENS D	1	M			G	N	Drywall and Drywall Joint Compound Living room	

CHAIN-OF-CUSTODY

Sampled By:	Received by:	Transported by:	Lab Custody:
Signature:	Signature:	Signature:	Signature:
Date/Time:	Date/Time: 10/30/10 8:50	Date/Time:	Date/Time:
Storage:	Storage:	Storage:	Storage:

LR 10/28/20 15:00

PROJECT NAME: PROJECT INSPECTIONS:

PROJECT LOCATION: PROJECT MANAGER:

JOB NUMBER: DATE SAMPLED:

TURNAROUND TIME: DATE RESULTS NEEDED:

002510340

SAMPLE NUMBER	HM #	ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
112220-31AB		20 BENS E	2	M			G	N	Drywall and Drywall Joint Compound Kitchen	
112220-32AB		27 BENS F	2	M			G	N	Drywall and Drywall Joint Compound Hallway	
112220-33AB		17 BENS D	1	M			G	N	Drywall and Drywall Joint Compound Bedroom	
112220-34AB		34 BENS B	8	M			G	N	Drywall and Drywall Joint Compound Bathroom	
112220-35AB		39 BENS A	8	M			G	N	Drywall and Drywall Joint Compound Kitchen	
112220-36AB		15 BENS E	2	M			G	N	Drywall and Drywall Joint Compound Hallway	
112220-37AB		Laundry Building	1	M			G	N	Drywall and Drywall Joint Compound Living room	
112220-38AB		Laundry Building	1	M			G	N	Drywall and Drywall Joint Compound Bedroom	
112220-39		Laundry Building	1	M			G	N	Drywall Joint Compound	
112220-40		Laundry Building	1	M			G	N	Beige Floor Tile	

CHAIN-OF-CUSTODY

Sampled By: Received by: T. Guccia Transported by: Lab Custody:

Signature: Signature: P. Mauca Signature: Signature:

Date/Time: Date/Time: 10/30/20 8:51 Date/Time: Date/Time:

Storage: Storage: Storage: Storage:

LE 10/28/2015:00

PROJECT NAME: _____ PROJECT INSPECTORS: _____

PROJECT LOCATION: _____ PROJECT MANAGER: _____

JOB NUMBER: _____ DATE SAMPLED: _____

TURNAROUND TIME: _____ DATE RESULTS NEEDED: _____

SAMPLE NUMBER	HM #	ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
112220-41		Laundry Building	1	M				N	Beige floor Tile	
112220-42		Laundry Building	1	M				N	White 12x12 floor tile under beige floor tile	
112220-43		Laundry Building	1	M				N	White 12x12 floor tile under beige floor tile	
112220-44		Manager office	1	M				N	Tan rolled flooring	
112220-45		Manager office	1	M				N	Tan rolled flooring	
112220-46		Manager office	1	M				N	Green floor tile	
112220-47		Manager office	1	M				N	Green floor tile	
112220-48		Manager office	1	M				N	Drywall and Drywall Joint Compound Living room	
112220-49		Manager office	1	M				N	Drywall and Drywall Joint Compound Bedroom	
112220-50		Manager office	1	M				Y	2x4 white ceiling tile	

CHAIN-OF-CUSTODY

Sampled By: _____ Received by: J Garcia Transported by: _____ Lab Custody: _____

Signature: _____ Signature: J Garcia Signature: _____ Signature: _____

Date/Time: _____ Date/Time: 10/30/20 8:15AC Date/Time: _____ Date/Time: _____

Storage: _____ Storage: _____ Storage: _____ Storage: _____

LG 10/28/20 15:00

PROJECT NAME: _____ PROJECT INSPECTORS: _____

PROJECT LOCATION: _____ PROJECT MANAGER: _____

JOB NUMBER: _____ DATE SAMPLED: _____

TURNAROUND TIME: _____ DATE RESULTS NEEDED: _____

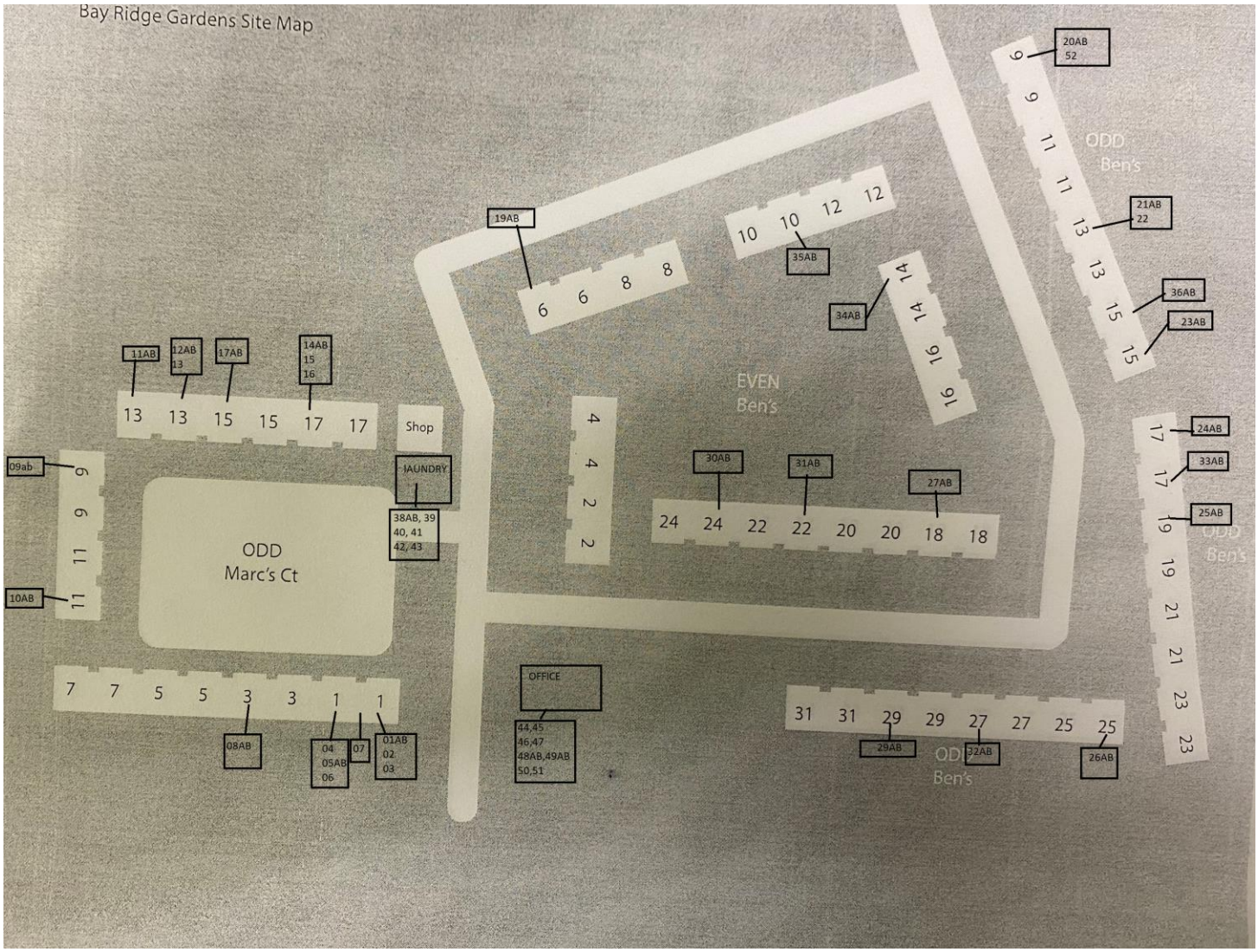
SAMPLE NUMBER	HM #	ROOM NAME/NUMBER	FLOOR	TYPE	DIAMETER/ SIZE	QUANTITY	COND.	FRIABLE (Y/N)	SAMPLE DESCRIPTION	COMMENTS
112220-S1		Manager office	1	M			G	Y	2x4 White ceiling tile	
112220-S2		DENSA							White door Caulk Exterior	

CHAIN-OF-CUSTODY

Sampled By: _____	Received by: T Gourlie	Transported by: _____	Lab Custody: _____
Signature: _____	Signature: L Mancia	Signature: _____	Signature: _____
Date/Time: _____	Date/Time: 10/30/20 8:50	Date/Time: _____	Date/Time: _____
Storage: _____	Storage: _____	Storage: _____	Storage: _____

LC 10/28/20 15:00

APPENDIX B: SITE LOCATION DIAGRAM


Bay Ridge Gardens Site Map
20AB
52
ODD
Ben's
21AB
22
36AB
23AB
19AB
35AB
34AB
EVEN
Ben's
11AB
12AB
13
17AB
14AB
15
16
Shop
LAUNDRY
38AB, 39
40, 41
42, 43
09ab
10AB
ODD
Marc's Ct
30AB
31AB
27AB
24AB
33AB
25AB
ODD
Ben's
OFFICE
44,45
46,47
48AB,49AB
50,51
08AB
04
05AB
06
07
01AB
02
03
29AB
32AB
26AB
ODD
Ben's

APPENDIX C: CERTIFICATIONS

Asbestos License



Indira Mendez
Name

Signature

Inspector/Management Planner Review
Course Title

Course Date: 02/05/2020
Exp Date: 02/05/2021
Exam Date: 02/06/2020

2000003321

STATE OF MARYLAND

ATC
ENVIRONMENTAL · GEOTECHNICAL
BUILDING SCIENCES · MATERIALS TESTING

Approval Number: 21 14 01

Certificate of Achievement

Awarded to

Indira Sofia Mendez

In recognition of successful completion of the course entitled

ASBESTOS BUILDING INSPECTOR/MANAGEMENT PLANNER REVIEW

An 8-Hour annual refresher program of study presented in accordance with the provisions of the U.S Environmental Protection Agency Model Accreditation Plan 40 CFR Part 763, Appendix C to SUBPART E, for Accreditation under TSCA Title II

ATC
ENVIRONMENTAL · GEOTECHNICAL
BUILDING SCIENCES · MATERIALS TESTING

20-278
Certificate Number

Location: Columbia, MD

February 5, 2020
Examination Date

Clayton E. Miller Course Instructor

February 5, 2020
Course Date

February 5, 2021
Expiration Date

Carla M. Gomez Course Director

9231 Rumsey Road Columbia, Maryland 21045 410-381-0232

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

LOREN BARRETT

718 ROMANCOKE RD
STEVENSVILLE , MD 21666

has met the attendance requirements and successfully completed the course entitled

1-DAY LEAD INSPECTOR REFRESHER

This Training Meets the Certification Requirements for DC, MD & VA

01/10/2020	01/10/2020		STEVE SIERACKI
Course Date	**Exam Date**		**Principal Instructor**
1/10/2022	1/10/2023	1/10/2022	
MD Expiration Date	**VA Expiration Date**	**DC Expiration Date**	
108049	VA108049	108049	E. Rush Barrett
Certification No.	**VA Certification No.**	**DC Certification No.**	**Course Director**

DC Lead Training Provider Accreditation No. DC18-001-I-R

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

THIS IS TO CERTIFY THAT

The Vertex Companies, Inc.

HAS MET THE LEAD PAINT SERVICES ACCREDITATION REQUIREMENTS FOR

Lead Paint Inspection Contractor

EXPIRATION DATE 10 01 2020

TRAINING PROVIDER [redacted]

COURSE DATE ____/____/____

ADMINISTRATOR, LEAD PAINT ACCREDITATION
MARYLAND DEPARTMENT OF THE ENVIRONMENT

9/28/18
DATE

STATE OF MARYLAND

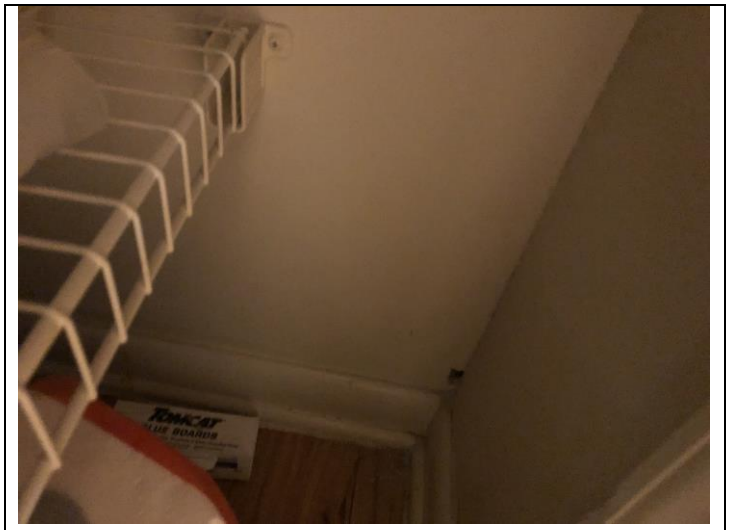
Certificate # 14754

Application for reaccreditation shall be submitted to MDE 60 days prior to accreditation expiration indicated on this certificate.

APPENDIX D: SITE PHOTOGRAPHS



1. View of Bathroom - Green Vinyl Sheet Flooring



2. View of Closet – White Joint Compound



3. View of Bathroom – Beige Vinyl Sheet Flooring



4. View of Bedroom – White Interior Window Caulking



5. View of Hallway – White Joint Compound



6. View of Stairwell – White Exterior Door Caulking – Positive ACM

Appendix O:

Asbestos Inspection Report for Residential House

ASBESTOS INSPECTION REPORT

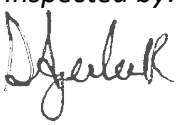
Bay Ridge Gardens
Residential House
2145 Bay Ridge Avenue
Annapolis, Maryland 21403

Prepared for:

Dominion Due Diligence Group.
201 Wylderose Drive
Midlothian, Virginia 23113

Inspection Date: **September 18, 2025**
Report Date: **September 30, 2025**

Inspected by:



Steven Agerbeek
Maryland Accredited Asbestos Building Inspector #: 250001143
(Expires on 4/24/2026)

OSE Project Number: 25-1272-B
D3G Project Number: 2025-1713

3717 Latrobe Drive, Unit 760 · Charlotte, NC 28211 · (704) 376-3594 · (704) 376-3593 fax
www.ose-llc.com

Table of Contents

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ASBESTOS SURVEY

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Project Description
Sampled Suspect Asbestos Containing Materials – Negative

Sampling and Analytical Procedures..... 4

Findings 5

Conclusions and Recommendations..... 5

Disclaimer..... 7

Sample Summary Table 8

APPENDICES

A - Asbestos Bulk Sample Laboratory Results and Chain of Custody Forms

B - Photographs

C - Property Diagram

D - Employee & Laboratory Accreditations

EXECUTIVE SUMMARY

One Source Environmental, LLC has contracted with Dominion Due Diligence Group (Client) to conduct an asbestos inspection of Bay Ridge Gardens – Residential House located at 2145 Bay Ridge Avenue - Annapolis, MD 21403. The objective of the survey was to provide documentation to the Client consisting of a representative testing of suspected asbestos-containing materials (ACMs) throughout the site, prior to planned demolition activities.

Inspection activities were performed on September 18th, 2025, by Mr. Steven Agerbeek, who is a Maryland Department of the Environment (MDE) and U.S. EPA accredited Asbestos Building Inspector. Copies of his current accreditations are enclosed in Appendix D.

Inspection, sampling, material condition assessments, and analytical procedures for asbestos-containing building materials were performed in general accordance with the EPA's National Emission Standards for Hazardous Air Pollutants (NESHAP) - EPA Title 40, Code of Federal Regulations (CFR), Part 61 Subpart M (40 CFR Part 61, Subpart M), the EPA AHERA regulation (40 CFR Part 763), the Code of Maryland Regulations – Control of Asbestos (COMAR 26.11.21), In addition, sampling was conducted in general accordance with practices described within the ASTM Standard Practice for Comprehensive Asbestos Building Surveys Designation: E2356-18 (ASTM E 2356-18) for pre-renovation/demolition surveys.

A total of thirty-nine (39) bulk samples with forty-one (41) sample layers were analyzed by Polarized Light Microscopy (PLM). Six (6) bulk samples of non-organically bound (NOB) materials were additionally analyzed by Transmission Electron Microscopy (TEM) to complete the inspection.

An asbestos Containing Material (>1%) was identified at the Property as follows:

Bay Ridge Gardens - Residential House - 2145 Bay Ridge Avenue Annapolis, MD 21403					
Material	**Locations**	**Percentage/Type**	**Material Condition**	**Approx. Quantity**	**NESHAP Category**
White Sink Insulation/Undercoat	Kitchen	4% Chrysotile	Good	6 SF	Category II

Asbestos containing material (ACM) as defined by MDE, EPA, and OSHA are materials with an asbestos concentration of greater than 1% (>1%) as analyzed by polarized light microscopy (PLM). In addition, ACM is designated as follows for NESHAP compliance:

Friable asbestos - material which can be crumbled, pulverized or reduced to powder by hand pressure, a.k.a. Regulated Asbestos Containing Materials (RACM)

Category I non-friable - includes resilient floor coverings, asphalt roofing products, gaskets and packings.

Category II non-friable - any non-friable ACM that is not in Category I.

All quantities listed in this report are approximate and should be verified prior to bidding on or performing work at the Property. This report is not intended for and may not be utilized as a bidding document or as an abatement project specification document.

INTRODUCTION

An asbestos survey was completed for Dominion Due Diligence Group (Client) on September 18th, 2025, of Bay Ridge Gardens – Residential House located at 2145 Bay Ridge Avenue - Annapolis, MD 21403 by One Source Environmental, LLC. The inspection included interior and exterior building materials.

Mr. Steven Agerbeek, a Maryland Department of the Environment (MDE) and U.S. EPA accredited Asbestos Building Inspector performed the inspection. Copies of his current accreditations are enclosed in Appendix D.

PROJECT DESCRIPTION

The site consists of a Foyer, Living Room, Dining Room, Kitchen, and Family Room on the First Floor, three (3) Bedrooms, a Hallway, and a Bathroom located on the Second Floor, and a Basement with Storage. OSE entered all rooms and exterior areas. The property was reportedly constructed in 1935.

SAMPLED SUSPECT ASBESTOS CONTAINING MATERIALS - NEGATIVE

Samples of the following suspect materials were collected and found to be **Negative for asbestos**:

Bay Ridge Gardens – Residential House - 2145 Bay Ridge Avenue Annapolis, MD 21403	
Drywall & Joint Compound Wall and Ceiling Systems Throughout	Textured Ceiling Foyer, Living Room & Family Room
Ceramic Tile Thinset & Grouts Foyer, Kitchen & Bathroom	Tub Caulk Bathroom
Window, Door, & Siding Caulk Exterior	Vibration Damper Basement Storage
Skim Coat & Base Coat Plasters Exterior Foundation	Roof Felt Membrane & Roof Shingles Roof

See Sample Summary Table below for all sample results and Appendix A for the Lab Reports.

SAMPLING AND ANALYTICAL PROCEDURES

Sampling Procedures

Representative bulk samples of suspect ACMs were randomly collected from the interior and exterior of the inspected property. Homogenous material determinations were assessed based on the following criteria:

- Similar physical characteristics (same color and texture, etc.);
- Application (sprayed-on, troweled-on, assembly into a system, etc.); and
- Material function (thermal insulation, floor tile, wall or ceiling system, etc.).

Once collected, all bulk samples were appropriately labeled and shipped to an accredited analytical laboratory for analysis. All sampled building materials were also characterized for condition and approximate quantity on-site during the inspection(s).

PLM/TEM Analysis Methodology

Laboratory services were provided by AmeriSci Richmond, located in Midlothian, VA**,** a National Voluntary Laboratory Accreditation Program (NVLAP) certified laboratory (NVLAP #101904-0). See Appendix D for a copy of their certification.

Each bulk sample was analyzed by polarized light microscopy (PLM) in accordance with the United State Environmental Protection Agency's (EPA's) Test Methods: Methods for the determination of Asbestos in Bulk Building Materials (EPA 600/M4-82-020, July 1993) and the McCrone Research Institute's The Asbestos Particle Atlas. Additional treatment(s) and test(s) were performed as required to accurately define material composition (i.e. ashing, extraction, acetone treatment, point counting, and/or transmission electron microscopy [TEM]).

Analysis consisted of using the bulk sample for visual observation and slide preparation(s) for microscopic examination and identification. All samples were analyzed for asbestos (chrysotile, amosite, crocidolite, anthophyllite, and actinolite/tremolite), fibrous non-asbestos constituents (mineral wool, cellulose, etc.), and non-fibrous constituents. Using a stereoscope, the microscopist visually estimated relative amounts of each constituent by determining the volume of each constituent in proportion to the total volume of the sample.

HUD, under ASTM standards requires that any nonfriable organically bound (NOB) material that is suspect to contain asbestos, such as floor tiles, roofing material, and caulking must have one sample (from each layer) analyzed by transmission electron microscopy (TEM) analysis if polarized light microscopy (PLM) analyses indicate that no asbestos was detected in the samples of the material analyzed by PLM.

FINDINGS

Interpretation of Asbestos Results

Federal OSHA, MDE, and the U.S. EPA define an ACM as any material containing >1% asbestos. The lower limit of reliable detection for friable asbestos using the PLM analytical method is 1.0% by volume.

The following material contains Asbestos in concentrations exceeding 1%:

Material	Location
White Sink Insulation/Undercoat	Kitchen

CONCLUSIONS AND RECOMMENDATIONS

Results of analysis confirmed asbestos was identified in concentrations greater than 1% within some of the bulk samples collected and assumed asbestos was identified at the Property. The materials that are or may become friable during renovation or demolition activities must be removed prior to their disturbance using OSHA and MDE asbestos abatement procedures.

MDE regulations require notifications prior to the removal of asbestos-containing materials. Removal shall be performed following all applicable MDE and Federal regulations. **Properly accredited contractors employing MDE accredited workers and supervisors should perform any asbestos abatement work. Any work plans for asbestos removal should be prepared by an MDE accredited Asbestos Project Designer. Any asbestos abatement activities should by monitored by qualified third party industrial hygiene personnel.**

The U.S. EPA and MDE require that all asbestos-containing material that may become friable during the course of the project be removed prior to renovation or demolition. Confirmed or suspect asbestos-containing materials disturbed during demolition or abatement activities must be handled and disposed of in accordance with applicable State and Federal regulations.

Materials uncovered during renovation or demolition activities that are not addressed in this inspection report must be sampled by a licensed asbestos inspector prior to any disturbance. This survey was minimally destructive in nature, in that walls or other structural elements were not disturbed to locate hidden materials, however, hidden suspect ACM may still be present. Hidden ACM materials may be encountered during renovation or demolition.

We appreciate the opportunity to assist you with your environmental compliance needs.

Yours truly,
One Source Environmental, LLC



Timothy D. Redmond
Project Manager

DISCLAIMER

The content presented in this report is based on data collected during the site inspection and survey, review of pertinent regulations, requirements, guidelines and commonly followed industry standards, and information provided by the Client, their clients, agents, and representatives.

The work has been conducted in an objective and unbiased manner and in accordance with generally accepted professional practice for this type of work. One Source Environmental believes the data and analysis to be accurate and relevant but cannot accept responsibility for the accuracy or completeness of available documentation or possible withholding of information of other parties.

This hazardous materials survey report is designed to aid the property owner, architect, construction manager, general contractor, and asbestos abatement contractor in locating ACM. **This report is not intended for and may not be utilized as a bidding document or as an abatement project specification document.**

This report is provided for the sole use of the Client. Reliance on this report by any third parties will be at such party's sole risk, and One Source Environmental disclaims liability for any use of or reliance on this report by third parties. All portions of this report, including attachments and figures, are interrelated and integral to this report and should not be transmitted independent of each other.

SAMPLE SUMMARY TABLE

By Ridge Gardens - Residential House
2145 Bay Ridge Avenue - Annapolis, MD 21403

SAMPLE NUMBER	SAMPLED MATERIAL	LOCATION	% ASBESTOS
2A	Black Ceramic Grout	Foyer	None Detected
2B	Black Ceramic Grout	Foyer	None Detected
2C	Black Ceramic Grout	Foyer	None Detected
3A	Ceramic Thinset Under Green Ceramic	Foyer	None Detected
3B	Ceramic Thinset Under Green Ceramic	Foyer	None Detected
4A	Grey Ceramic Grout	Kitchen	None Detected
4B	Grey Ceramic Grout	Kitchen	None Detected
5A	Joint Compound	Kitchen	None Detected
5B	Joint Compound	Dining Room	None Detected
5C	Joint Compound	Living Room	None Detected
5D	Joint Compound	Bedroom 1	None Detected
5E	Joint Compound	Bedroom 3	None Detected
6A	Drywall	Stairway	None Detected
6B	Drywall	Dining Room	None Detected
6C	Drywall	Bath	None Detected
6D	Drywall	Living Room	None Detected
6E	Drywall	Family Room	None Detected
7A	White Sink Insulation/Undercoat	Kitchen	4% chrysotile
7B	White Sink Insulation/Undercoat	Kitchen	4% chrysotile
8A	Textured Ceiling	Foyer	None Detected
8B	Textured Ceiling	Living Room	None Detected
8C	Textured Ceiling	Family Room	None Detected
9A	Tub Caulk	Bathroom	None Detected*
9B	Tub Caulk	Bathroom	None Detected
10A	Roof Shingle	Roof	None Detected*
10B	Roof Shingle	Roof	None Detected
11A	Roofing Felt	Roof	None Detected*
11B	Roofing Felt	Roof	None Detected
12A	Siding Caulk	Exterior	None Detected*
12B	Siding Caulk	Exterior	None Detected
13A	Vibration Damper	Storage	None Detected
13B	Vibration Damper	Storage	None Detected
14A	Window Caulk	Exterior	None Detected*
14B	Window Caulk	Exterior	None Detected
15A	Door Caulk	Exterior	None Detected*
15B	Door Caulk	Exterior	None Detected
16A (Layer 1)	Skim Coat (Plaster) - White	Exterior	None Detected
16A (Layer 2)	Base Coat (Plaster) - Gray	Exterior	None Detected
16B (Layer 1)	Skim Coat (Plaster) - White	Exterior	None Detected
16B (Layer 2)	Base Coat (Plaster) - Gray	Exterior	None Detected
16C	Plaster	Exterior	None Detected

* = NOB material re-analyzed via TEM

APPENDIX A

ASBESTOS BULK SAMPLE LABORATORY RESULTS AND CHAIN OF CUSTODY FORMS

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

September 26, 2025

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive
Midlothian, VA 23113

RE: Dominion Due Diligence Group
Job Number 125091866
P.O. #2025-113
2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Dear Kim Dingledine:

Enclosed are the results for PLM asbestos analysis of the following Dominion Due Diligence Group samples received at AmeriSci on Friday, September 19, 2025, for a 3 day turnaround:

2A, 2B, 2C, 3A, 3B, 4A, 4B, 5A, 5B, 5C, 5D, 5E, 6A, 6B, 6C, 6D, 6E, 7A, 7B, 8A, 8B, 8C, 9A, 9B, 10A, 10B, 11A, 11B, 12A, 12B, 13A, 13B, 14A, 14B, 15A, 15B, 16A, 16B, 16C

The 39 samples contained in zip lock bag were shipped to AmeriSci via Fed Ex. These samples were prepared and analyzed according to EPA PLM Method (EPA 600/R-93/116 Section 2.2). The required analytical information, analysis results, analyst signature and laboratory identification are contained in the PLM Bulk Asbestos Report. If TEM analysis was requested for selected samples the gravimetric reduction data (by Sec 2.3) and TEM Asbestos % (by Sec 2.5) are included in Table 1 along with a summary of Asbestos % by PLM for all samples analyzed.

This report relates ONLY to the sample analysis expressed as % asbestos. AmeriSci assumes no responsibility for customer supplied data such as “sample type”, "location", or “area sampled”. This report must not be used to claim product endorsement by AmeriSci, NVLAP or any agency of the U. S. Government. The National Institute of Standards and Technology accreditation requirements mandate that this report must not be reproduced, except in full, without the written approval of the laboratory. This report may contain specific data not covered by NVLAP or ELAP accreditations, if so identified in relevant footnotes.

AmeriSci appreciates this opportunity to serve your organization. Please contact us for any further assistance or with any questions.

Sincerely,



Cory M. Parnell

Laboratory Director | Authorized Signatory

AMERISCI

AmeriSci Richmond
13635 GENITO ROAD
MIDLOTHIAN, VIRGINIA 23112
TEL: (804) 763-1200 • FAX: (804) 763-0493

PLM Bulk Asbestos Report

Dominion Due Diligence Group
Attn: Kim Dingledine
201 Wylderose Drive

Midlothian, VA 23113

Date Received 9/19/2025 **AmeriSci Job #** 125091866
Date Examined 09/23/25 **P.O. #**
Page 1 **of** 7

RE: 2025-113; Bay Ridge Gardens; 4125 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
2A	125091866-01	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Black Ceramic Grout; Foyer **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
2B	125091866-02	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Black Ceramic Grout; Foyer **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
2C	125091866-03	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Black Ceramic Grout; Foyer **Analyst Description:** Black, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
3A	125091866-04	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Ceramic Thinset Under Green Ceramic; Foyer **Analyst Description:** White, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
3B	125091866-05	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Ceramic Thinset Under Green Ceramic; Foyer **Analyst Description:** White, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
4A	125091866-06	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Grey Ceramic Grout; K **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
4B	125091866-07	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Grey Ceramic Grout; K
Analyst Description: Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

5A	125091866-08	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Joint Compound; K
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

5B	125091866-09	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Joint Compound; DR
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

5C	125091866-10	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Joint Compound; LR
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

5D	125091866-11	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Joint Compound; BR1
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

5E	125091866-12	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Joint Compound; BR3
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

6A	125091866-13	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Drywall; Stairway
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3.0%, Non-fibrous 97%

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
6B	125091866-14	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Drywall; DR
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3.0%, Non-fibrous 97%

6C	125091866-15	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Drywall; Bath
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3.0%, Non-fibrous 97%

6D	125091866-16	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Drywall; LR
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3.0%, Non-fibrous 97%

6E	125091866-17	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Drywall; FR
Analyst Description: White/Brown, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 3.0%, Non-fibrous 97%

7A	125091866-18	***Yes***	4.0% (by CVES) by William M. Dunstan on 09/23/25	

Location: White Sink Insulation; K
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 4.0%
Other Material: Non-fibrous 96%

7B	125091866-19	***Yes***	4.0% (by CVES) by William M. Dunstan on 09/23/25	

Location: White Sink Insulation; K
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types: Chrysotile 4.0%
Other Material: Non-fibrous 96%

8A	125091866-20	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Textured Ceiling; Foyer
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
8B	125091866-21	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Textured Ceiling; LR
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

8C	125091866-22	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	

Location: Textured Ceiling; FR
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

9A	125091866-23	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Tub Caulk; Bathroom
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

9B	125091866-24	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Tub Caulk; Bathroom
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

10A	125091866-25	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Roof Shingle; Roof
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Fibrous glass 5.0%, Non-fibrous 95%

10B	125091866-26	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Roof Shingle; Roof
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Fibrous glass 5.0%, Non-fibrous 95%

11A	125091866-27	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Roofing Felt; Roof
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 60%, Non-fibrous 40%

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-113; Bay Ridge Gardens; Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
11B	125091866-28	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Roofing Felt; Roof
Analyst Description: Black, Heterogeneous, Fibrous, Bulk Material
Asbestos Types:
Other Material: Cellulose 60%, Non-fibrous 40%

12A	125091866-29	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Siding Caulk; Exterior
Analyst Description: Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

12B	125091866-30	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Siding Caulk; Exterior
Analyst Description: Lt. Gray, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

13A	125091866-31	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Vibration Dampner; Storage
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Synthetic fibers 10%, Non-fibrous 90%

13B	125091866-32	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Vibration Dampner; Storage
Analyst Description: Black, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Synthetic fibers 10%, Non-fibrous 90%

14A	125091866-33	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Window Caulk; Exterior
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

14B	125091866-34	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	

Location: Window Caulk; Exterior
Analyst Description: White, Heterogeneous, Non-Fibrous, Bulk Material
Asbestos Types:
Other Material: Non-fibrous 100%

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

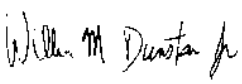
Client No. / HGA	Lab No.	Asbestos Present	Total % Asbestos	Notes
15A	125091866-35	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	
Location: Door Caulk; Exterior **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
15B	125091866-36	***No***	NAD (by CVES) by William M. Dunstan on 09/22/25	
Location: Door Caulk; Exterior **Analyst Description:** White, Heterogeneous, Non-Fibrous, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				
16A	125091866-37.1	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Plaster; Exterior **Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) **Asbestos Types:** **Other Material:** Non-fibrous 100%				
16A	125091866-37.2	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Plaster; Exterior **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) **Asbestos Types:** **Other Material:** Non-fibrous 100%				
16B	125091866-38.1	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Plaster; Exterior **Analyst Description:** White, Heterogeneous, Non-Fibrous, Skim Coat (Plaster) **Asbestos Types:** **Other Material:** Non-fibrous 100%				
16B	125091866-38.2	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Plaster; Exterior **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Base Coat (Plaster) **Asbestos Types:** **Other Material:** Non-fibrous 100%				
16C	125091866-39	***No***	NAD (by CVES) by William M. Dunstan on 09/23/25	
Location: Plaster; Exterior **Analyst Description:** Gray, Heterogeneous, Non-Fibrous, Cementitious, Bulk Material **Asbestos Types:** **Other Material:** Non-fibrous 100%				

See Reporting notes on last page

PLM Bulk Asbestos Report

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

Reporting Notes:

Analyzed by: William M. Dunstan  Reviewed by: Cory M. Parnell 

Date: 9/23/2025

*NAD = no asbestos detected, Detection Limit <1%, Reporting Limits: CVES = 1%, 400 Pt Ct = 0.25%, 1000 Pt Ct = 0.1%; "Present" or NVA = "No Visible Asbestos" are observations made during a qualitative analysis (Not covered by NVLAP or NY ELAP accreditations); NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk Asbestos Analysis using Olympus, Model BH-2 microscope, Serial #233533, by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) and ELAP PLM Analysis Protocol 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NYSDOH ELAP Lab # 10984); CA ELAP Lab # 2508; Note: PLM is not consistently reliable in detecting asbestos in floor coverings and similar NOB materials. NAD or Trace results by PLM are inconclusive, TEM is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing in New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). NIST Accreditation requirements mandate that this report must not be reproduced except in full without the approval of the laboratory. This PLM report relates ONLY to the items tested.

Table I
Summary of Bulk Asbestos Analysis Results

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
01	2A		----	----	----	----	NAD	NA
Location:	Black Ceramic Grout; Foyer							
02	2B		----	----	----	----	NAD	NA
Location:	Black Ceramic Grout; Foyer							
03	2C		----	----	----	----	NAD	NA
Location:	Black Ceramic Grout; Foyer							
04	3A		----	----	----	----	NAD	NA
Location:	Ceramic Thinset Under Green Ceramic; Foyer							
05	3B		----	----	----	----	NAD	NA
Location:	Ceramic Thinset Under Green Ceramic; Foyer							
06	4A		----	----	----	----	NAD	NA
Location:	Grey Ceramic Grout; K							
07	4B		----	----	----	----	NAD	NA
Location:	Grey Ceramic Grout; K							
08	5A		----	----	----	----	NAD	NA
Location:	Joint Compound; K							
09	5B		----	----	----	----	NAD	NA
Location:	Joint Compound; DR							
10	5C		----	----	----	----	NAD	NA
Location:	Joint Compound; LR							
11	5D		----	----	----	----	NAD	NA
Location:	Joint Compound; BR1							
12	5E		----	----	----	----	NAD	NA
Location:	Joint Compound; BR3							
13	6A		----	----	----	----	NAD	NA
Location:	Drywall; Stairway							
14	6B		----	----	----	----	NAD	NA
Location:	Drywall; DR							
15	6C		----	----	----	----	NAD	NA
Location:	Drywall; Bath							
16	6D		----	----	----	----	NAD	NA
Location:	Drywall; LR							

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
17	6E		----	----	----	----	NAD	NA
Location: Drywall; FR								
18	7A		----	----	----	----	Chrysotile 4.0	NA
Location: White Sink Insulation; K								
19	7B		----	----	----	----	Chrysotile 4.0	NA
Location: White Sink Insulation; K								
20	8A		----	----	----	----	NAD	NA
Location: Textured Ceiling; Foyer								
21	8B		----	----	----	----	NAD	NA
Location: Textured Ceiling; LR								
22	8C		----	----	----	----	NAD	NA
Location: Textured Ceiling; FR								
23	9A		0.369	45.4	51.7	2.9	NAD	NAD
Location: Tub Caulk; Bathroom								
24	9B		----	----	----	----	NAD	NA
Location: Tub Caulk; Bathroom								
25	10A		0.374	20.7	56.7	22.6	NAD	NAD
Location: Roof Shingle; Roof								
26	10B		----	----	----	----	NAD	NA
Location: Roof Shingle; Roof								
27	11A		0.085	96.2	3.8	0.0	NAD	NAD
Location: Roofing Felt; Roof								
28	11B		----	----	----	----	NAD	NA
Location: Roofing Felt; Roof								
29	12A		0.530	26.1	71.5	2.3	NAD	NAD
Location: Siding Caulk; Exterior								
30	12B		----	----	----	----	NAD	NA
Location: Siding Caulk; Exterior								
31	13A		----	----	----	----	NAD	NA
Location: Vibration Dampner; Storage								
32	13B		----	----	----	----	NAD	NA
Location: Vibration Dampner; Storage								

See Reporting notes on last page

Table I
Summary of Bulk Asbestos Analysis Results

2025-113; Bay Ridge Gardens; 2145 Bay Ridge Avenue - Annapolis, MD (Report Amended 9/26/2025)

AmeriSci Sample #	Client Sample#	HG Area	Sample Weight (gram)	Heat Sensitive Organic %	Acid Soluble Inorganic %	Insoluble Non-Asbestos Inorganic %	** Asbestos % by PLM/DS	** Asbestos % by TEM
33	14A		0.391	26.0	71.3	2.7	NAD	NAD
Location: Window Caulk; Exterior								
34	14B		----	----	----	----	NAD	NA
Location: Window Caulk; Exterior								
35	15A		0.323	27.0	70.6	2.4	NAD	NAD
Location: Door Caulk; Exterior								
36	15B		----	----	----	----	NAD	NA
Location: Door Caulk; Exterior								
37.1	16A		----	----	----	----	NAD	NA
Location: Plaster; Exterior ; Skim Coat (Plaster)								
37.2	16A		----	----	----	----	NAD	NA
Location: Plaster; Exterior ; Base Coat (Plaster)								
38.1	16B		----	----	----	----	NAD	NA
Location: Plaster; Exterior ; Skim Coat (Plaster)								
38.2	16B		----	----	----	----	NAD	NA
Location: Plaster; Exterior ; Base Coat (Plaster)								
39	16C		----	----	----	----	NAD	NA
Location: Plaster; Exterior								

Analyzed by: Cory M. Parnell

Reviewed by: Cory M. Parnell

Date: 9/26/2025

Semi-Quantitative Analysis: NAD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed due to positive stop; Trace = <1%; PLM analysis by EPA 600/R-93/116 per 40 CFR 763 (NVLAP Lab Code 101904-0) or NY ELAP 198.1 for New York friable samples which includes quantitation of any vermiculite observed (198.6 for NOB samples) or EPA 400 pt ct by EPA 600/M4-82-020 (NY ELAP Lab # 10984); TEM prep by EPA 600/R-93/116 Section 2.3 (analysis by Section 2.5, not covered by NVLAP Bulk accreditation); or NY ELAP 198.4 for New York NOB samples (NY ELAP Lab # 10984). Analysis using Jeol, Model JEM-100CX II microscope, Serial #156147-247. ** Warning Notes: Consider PLM fiber diameter limitation, only TEM will resolve fibers <0.25 micrometers in diameter. TEM bulk analysis is representative of the fine grained matrix material and may not be representative of non-uniformly dispersed debris, soils or other heterogeneous materials for which a combination PLM/TEM evaluation is recommended; Quantitation for beginning weights of <0.1 grams should be considered as qualitative only.

AmeriSci Richmond	Report Amendment Explanation Form (append to amended report)	Date Amended 9/23/2025

Client: Dominion Due Diligence Group

AmeriSci Job #: 125091866

Client Job: 2025-113

Analysis Type: PLM

AmeriSci Sample #s affected: 125091866-

Amended by (print/sign): Kenyell H Morris

Original Item(s) Being Amended: sample 1,2 and 3

Changes Made: removed samples 1,2 and created new job 125-09-2003

Reason for Changes: Client requested

Attach original sheet with incorrect item or items to be amended clearly indicated or circled.

AmeriSci Richmond	Report Amendment Explanation Form (append to amended report)	Date Amended 9/26/2025

Client: Dominion Due Diligence Group

AmeriSci Job #: 125091866

Client Job: 2025-113

Analysis Type: PLM

AmeriSci Sample #s affected: 125091866-

Amended by (print/sign): Cory M. Parnell

Original Item(s) Being Amended: TEM Upgrade

Changes Made: Analyzed selected samples by TEM

Reason for Changes: Client Request

Attach original sheet with incorrect item or items to be amended clearly indicated or circled.

Subject: RE: AmeriSci Report/Invoice 125091866; 2025-113; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD
From: Kim Dingledine <k.dingledine@d3g.com>
Date: 9/24/2025, 3:56 PM
To: Tiffany Goodwyn <varesults@amerisci.com>

Good call. I forgot to notice the sample #s changed. Please analyze the following:

125091866-23
125091866-25
125091866-27
125091866-29
125091866-33
125091866-35

DOMINION DUE DILIGENCE

Kim Dingledine
(she, her, hers)
Hazardous Materials Manager
O: (804) 339-1187
E: k.dingledine@d3g.com
A: 201 Wylderose Drive
Midlothian, Va. 23113

People, Innovation, Passion, Excellence

This message contains confidential information and is intended only for the intended recipients. If you are not an intended recipient you should not disseminate, distribute or copy this e-mail. Please notify the sender immediately by e-mail if you have received this e-mail by mistake and delete this e-mail from your system. E-mail transmission cannot be guaranteed to be secure or error-free as information could be intercepted, corrupted, lost, destroyed, arrive late or incomplete, or contain viruses. The sender therefore does not accept liability for any errors or omissions in the contents of this message, which arise as a result of e-mail transmission. If verification is required please request a hard-copy version.

From: Tiffany Goodwyn <varesults@amerisci.com>
Sent: Wednesday, September 24, 2025 3:49 PM
To: Kim Dingledine <k.dingledine@d3g.com>
Subject: Re: AmeriSci Report/Invoice 125091866; 2025-113; Bay Ridge Gardens; 1 Bens Drive - Annapolis, MD

Caution: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Hey Kim,

Sorry for asking this now, but is your below request from the original 1866 or is the below request from the amended report?

Thank you!

tif

On 9/23/2025 4:07 PM, Kim Dingledine wrote:

> Please run a TEM analysis w/ a 3 day TAT on the following samples:

125091866

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens - Residential House
ADDRESS: 2145 BAY RIDGE AVENUE
DATE: September 18th, 2025
CLIENT:

☐ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: Steven Agerbeek
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: ~~Rush~~ 24hr
TYPE OF ANALYSIS: PLM

HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY/ FRIABILITY
2	2A	Black	Foyer	50 ft²/NF
↓	2B	Ceramic	↓	↓
↓	2C	Grout		
3	3A	Ceramic Thinset	Foyer	20ft²/NF
↓	3B	Under Green Ceramic	↓	↓
4	4A	Gray Ceramic	K	500 ft²/NF
↓	4B	Grout	↓	↓
5	5A	Joint Compound	K	2000 ft²/F
↓	5B	↓	DR	↓
↓	5C	↓	LR	↓
↓	5D	↓	BR1	↓
↓	5E	↓	BR3	↓
6	6A	Drywall	Stairway	5000ft²/F
↓	6B	↓	DR	↓
↓	6C	↓	BATH	↓
↓	6D	↓	LR	↓
↓	6E	↓	FR	↓
7	7A	White Sink	K	4ft²/NF
↓	7B	Insulation	↓	↓
8	8A	Textured Ceiling	Foyer	800ft²/F
↓	8B	↓	LR	↓
↓	8C	↓	FR	
9	9A	Tub Caulk	Bathroom	20ft²/NF

SUBMITTED BY: STEVEN AGERBEEK **DATE SUBMITTED:** 09/18/25 **SIGNATURE:** SA

RECEIVED BY: _____ **DATE RECEIVED:** _____ **SIGNATURE:** _____

DOMINION DUE DILIGENCE GROUP

201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

Received SEP 28 2025 D

Received SEP 19 2025

125091866

ASBESTOS-CONTAINING MATERIALS SURVEY

SITE: Bay Ridge Gardens Residential House
ADDRESS: 2145 BAY RIDGE AVENUE
DATE: September 18th, 2025
CLIENT:

☐ PLEASE ALLOW FOR POSITIVE STOP METHODOLOGY

PERSONNEL: Steven Agerbeek
PROJECT #: 2025-1713
LABORATORY: AmeriSci
TAT: [redacted] 24hr
TYPE OF ANALYSIS: PLM

HOMOGENOUS AREA	SAMPLE #	MATERIAL DESCRIPTION	LOCATION	QUANTITY/ FRIABILITY
9	9B	Tub Caulk	Bathroom	30'/NF
10	10A	Roof Shingle	Roof	1500ft²/NF
↓	10B	↓	↓	↓
11	11A	Roofing Felt	↓	↓
↓	11B	↓	↓	↓
12	12A	Siding Caulk	Exterior	10'/F/NF
↓	12B	↓	↓	↓
13	13A	Vibration Dampner	Storage	4'/F/NF
↓	13B	↓	↓	↓
14	14A	Window Caulk	Exterior	100'/NF
↓	14B	↓	↓	
15	15A	Door Caulk	Exterior	30'/NF
↓	15B	↓	↓	↓
16	16A	Plaster	↓	10ft²/F
↓	16B	↓	↓	↓
↓	16C	↓	↓	↓

SUBMITTED BY: STEVEN AGERBEEK **DATE SUBMITTED:** 09/18/25 **SIGNATURE:**

RECEIVED BY: _____ **DATE RECEIVED:** _____ **SIGNATURE:** _____

DOMINION DUE DILIGENCE GROUP
201 Wylderose Drive ♦ MIDLOTHIAN ♦ VIRGINIA 23113 ♦ PHONE: (804) 358-2020 ♦ FAX: (804) 358-3003

Received
SEP 19 2025

APPENDIX B

PHOTOGRAPHS

PHOTOGRAPHS

Project No.: 25-1272-B Project Name: 2145 Bay Ridge Avenue – Annapolis, MD 21403



Photo #1:	Bay Ridge Gardens – Residential House 2145 Bay Ridge Avenue Annapolis, MD 21403



Photo #2:	Roofing Shingles & Felt Paper Roof Sample Sets 10 & 11 – Non-ACMs



Photo #3:	Typical Window Caulk Exterior Sample Set 14 – Non-ACM



Photo #4:	Typical Window Caulk Exterior Sample Set 14 – Non-ACM



Photo #5:	Black Grout Under Green Ceramic Tile & Ceramic Thinset - Foyer Sample Sets 2 & 3 – Non-ACMs



Photo #6:	Grey Grout Under White Ceramic Tile Kitchen & Bathroom Sample Set 4 – Non-ACM

PHOTOGRAPHS

Project No.: 25-1272-B Project Name: 2145 Bay Ridge Avenue – Annapolis, MD 21403



Photo #7:	Wood Underneath Carpet with Concrete Under the Wood Not Suspected ACMs



Photo #8:	White Sink Insulation/Undercoat Kitchen Sample Set 7 – 4% Chrysotile Asbestos



Photo #9:	Typical Drywall/Joint Compound Throughout Property Sample Sets 5 & 6 – Non-ACMs

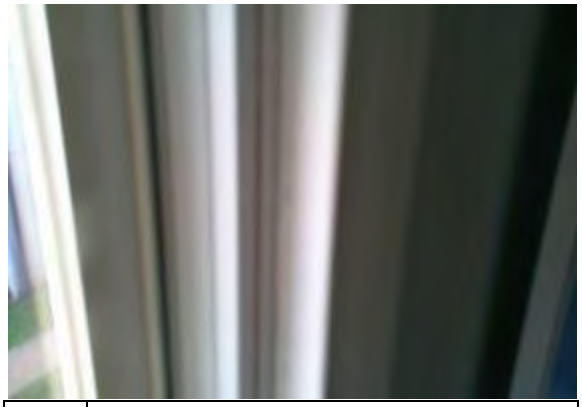


Photo #10:	Interior Window Caulk is Silicone Not a Suspected ACM

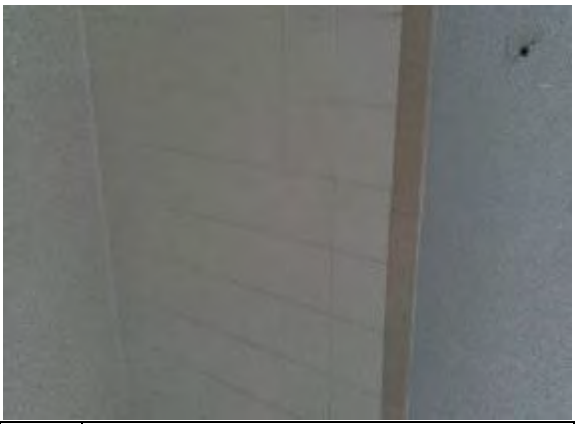


Photo #11:	Grey Grout Under White Ceramic Tile Kitchen & Bathroom Sample Set 4 – Non-ACM



Photo #12:	Tub Caulk Bathroom Sample Set 9 – Non-ACM

PHOTOGRAPHS

Project No.: 25-1272-B Project Name: 2145 Bay Ridge Avenue – Annapolis, MD 21403



Photo #13:	Storage Room



Photo #14:	Basement



Photo #15:	Textured Ceiling Foyer, Living Room, & Family Room Sample Set 8 – Non-ACMs



Photo #16:	Siding Caulk Exterior Sample Set 12 – Non-ACM



Photo #17:	Black Vibration Damper Storage Room Sample Set 13 – Non-ACM



Photo #18:	Pipes are Uninsulated PVC Throughout

PHOTOGRAPHS

Project No.: 25-1272-B Project Name: 2145 Bay Ridge Avenue – Annapolis, MD 21403



Photo #19:	Exterior Column Caulk is Silicone Not a Suspected ACM



Photo #20:	Door Caulk Exterior Sample Set 15 – Non-ACM



Photo #21:	Plaster Skim and Base Coats Exterior Foundation by Entrance of Foyer Sample Set 16 – Non-ACMs

Photo #22:	

Photo #23:	

APPENDIX C

PROPERTY DIAGRAM

(#) - Sample Locations

one source environmental

Residential House
Property Diagram

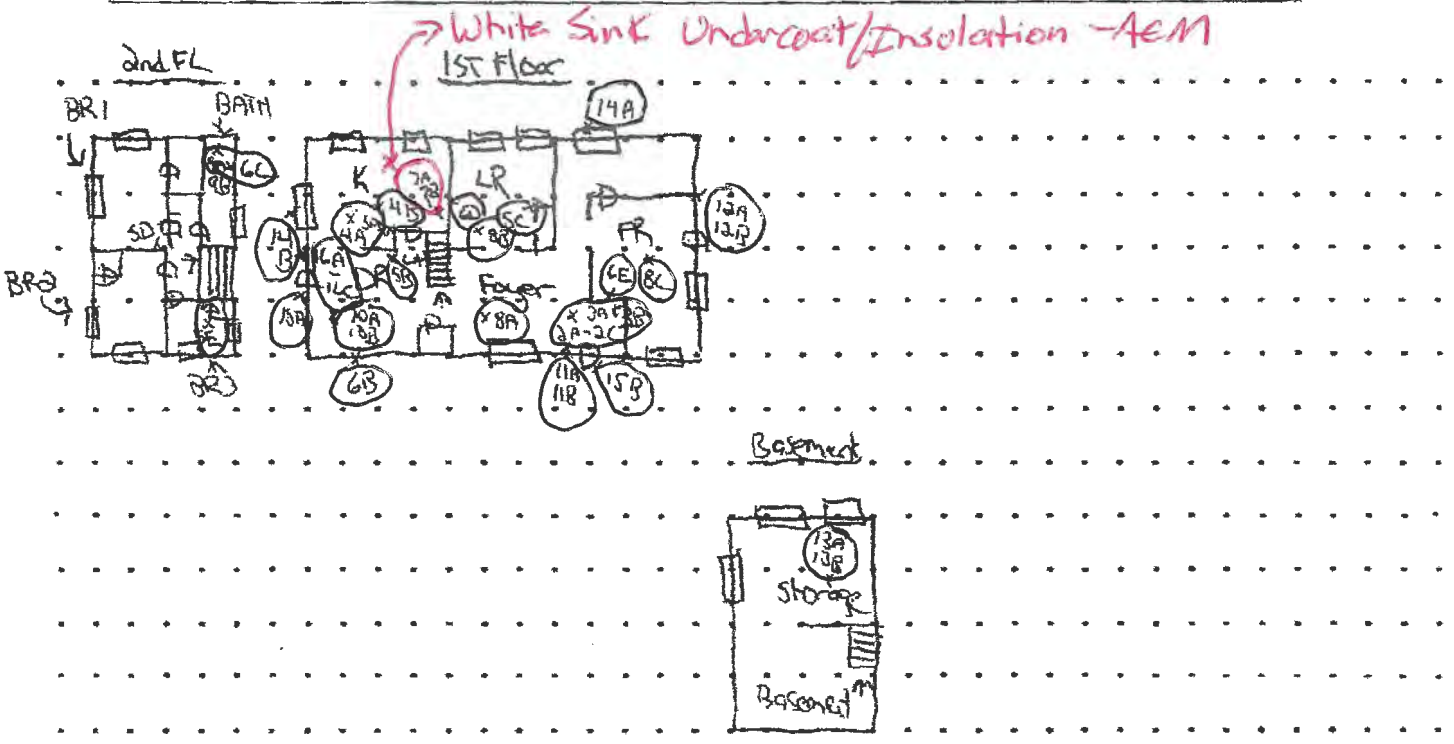
JOB #: 25-1272 - B

Inspector's Name: Steven Agerbeek Accreditation #: 240001262

Property Address: 2145 Bay Ridge Avenue Unit/Apt # N/A

City: Annapolis State: MD Zip: 21403

Instructions:
1. **Draw a diagram of the property**
2. **Number each room. Include hallways, porches, exterior structures and any other significant features and/or structures.**



APPENDIX D

EMPLOYEE & LABORATORY ACCREDITATIONS

Asbestos Accreditation



Steven Agerbeek
Name

Signature

Inspector Review
Course Title

250001143

Exam Date: 05/02/2025
Course Date: 04/24/2025
Exp Date: 04/24/2026

STATE OF MARYLAND

AEROSOL MONITORING & ANALYSIS, INC.

This is to certify that

STEVEN CORY AGERBEEK

has met the attendance requirements and successfully completed the course entitled

4-HOUR EPA ASBESTOS INSPECTOR REFRESHER

For Accreditation Under TSCA Title II

04/24/2025	04/24/2025	04/24/2026	STEVE SIERACKI
Course Date	***Exam Date***	***Expiration Date***	***Principal Instructor***

VAIR04242025-01	VAVAIR04242025-01
Certification No.	***VA Certification No.***

SSN: -1850

E. Rush Barnett

Course Director

1331 Ashton Road P.O.Box 646 Hanover, MD 21076 P: 410-684-3327 F: 410-684-3724

www.amatraining.com

United States Department of Commerce
National Institute of Standards and Technology

Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 101904-0

AmeriSci Richmond

Midlothian, VA

is accredited by the National Voluntary Laboratory Accreditation Program for specific services, listed on the Scope of Accreditation, for:

Asbestos Fiber Analysis

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communique on ISO/IEC 17025).

2025-07-01 through 2026-06-30

Effective Dates

For the National Voluntary Laboratory Accreditation Program

National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AmeriSci Richmond
dba AmeriSci Richmond
13635 Genito Road
Midlothian, VA 23112
Cory M. Parnell
Phone: 804-763-1200
Email: cparnell@amerisci.com
http://www.amerisci.com

ASBESTOS FIBER ANALYSIS **NVLAP LAB CODE 101904-0**

Bulk Asbestos Analysis

Code	*Description*
18/A01	EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples
18/A03	EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials

Airborne Asbestos Analysis

Code	*Description*
18/A02	U.S. EPA's "Interim Transmission Electron Microscopy Analytical Methods-Mandatory and Nonmandatory-and Mandatory Section to Determine Completion of Response Actions" as found in 40 CFR, Part 763, Subpart E, Appendix A.

For the National Voluntary Laboratory Accreditation Program

Appendix P:

Adjacent Shell Gas Station Supporting Documentation

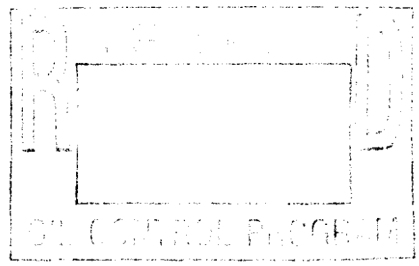
FAV

04-1884AA2

QUALITY ENVIRONMENTAL SOLUTIONS, INC.
2521 RIVA ROAD, SUITE L3
ANNAPOLIS, MARYLAND 21401

March 18, 2004

Mr. John H. Wolf III
Manager – Environmental Compliance
Crown Central Petroleum
8701 Park Central Drive, Suite 100
Richmond, VA 23227



SUBJECT: Subsurface Investigation Report
Crown Station MD-037
2232 Bay Ridge Road
Annapolis, Maryland

Dear Mr. Wolf:

Quality Environmental Solutions (QES) is pleased to submit the attached Subsurface Investigation Report for the subject location. The investigation was completed in conjunction with the property transfer environmental site assessment performed by Advantage Environmental Consultants. QES was present during the Advantage Environmental subsurface investigation to document site conditions and collect split samples of soil and ground water (if encountered).

Four direct-push soil borings were completed on February 24, 2004. Continuous soil samples were collected from each boring with field classification and photo-ionization detector (PID) readings at approximately four-foot intervals. Soil and ground-water samples were collected for laboratory analysis of TPH-GRO (soil and ground water) and BTEX, MTBE and TBA (ground water) in addition to TPH-DRO samples (soil and ground water) at diesel locations.

The soil and ground-water analytical results are summarized in Tables I and II, respectively.

Based on the analytical results, QES recommends:

- Submittal of the attached report to MDE along with a request for a Site Status Letter. Additional subsurface investigation does not appear to be warranted.

QES appreciates this opportunity to provide environmental services to Crown. If you have any questions concerning this report please call the undersigned at 410-841-5552.

Sincerely,

Donald E. Jones, C.P.G.
Senior Program Manager

Attachment: Subsurface Investigation Report

cc: Yolande Norman - MDE
QES file 201-019, # 35

SUBSURFACE INVESTIGATION REPORT
CROWN STATION MD-037
2232 BAY RIDGE ROAD
ANNAPOLIS, MARYLAND

Prepared for:

Mr. John H. Wolf III
Manager – Environmental Compliance
Crown Central Petroleum
8701 Park Central Drive, Suite 100
Richmond, Virginia 23227

Prepared by:

Quality Environmental Solutions, Inc.
2521 Riva Road, Suite L3
Annapolis, Maryland 21401

March 18, 2004

SUBSURFACE INVESTIGATION REPORT
CROWN STATION MD-037
2232 BAY RIDGE ROAD
ANNAPOLIS, MARYLAND

TABLE OF CONTENTS

1. INTRODUCTION 1
   1.1 Environmental History 1
   1.2 Scope of Work 1
2. SITE DESCRIPTION 2
   2.1 Site and Vicinity Characteristics 2
   2.2 Storage Tank System 2
3. DIRECT-PUSH BORINGS 2
4. RESULTS 2

ATTACHMENTS

Table I: Summary of Soil Analytical Results
Table II: Summary of Ground-Water Analytical Results
Site Plan
Appendix A: Photographs
Appendix B: Laboratory Analytical Report

SUBSURFACE INVESTIGATION REPORT
CROWN STATION MD-037
2232 BAY RIDGE ROAD
ANNAPOLIS, MARYLAND

1. INTRODUCTION

Quality Environmental Solutions, Inc. (QES) was retained by Crown Central Petroleum Corporation (Crown) to observe, document and collect split samples during a subsurface investigation completed by Advantage Environmental Consultants for a potential purchaser of Crown Station MD-037 located at 2232 Bay Ridge Road in Annapolis, Maryland.

The Advantage Environmental scope of work included the completion of four direct-push borings (GP-1 through GP-4) on February 24, 2004. Continuous soil samples were collected from each boring with field classification and photo-ionization detector (PID) readings at approximately four-foot intervals. Soil samples and ground-water samples (if present) were collected for laboratory analysis.

1.1 Environmental History

Based on a review of Crown files, the following environmental activities have been completed at the subject location:

- Hydrocarbon impacted soil was discovered during UST upgrade in July 1992;
- Eight monitoring wells installed;
- Three deep wells (MW-9, MW-10 and MW-11) were installed in October 1993;
- Installed SVE/sparge system in April 1995 and started system in July/August 1995;
- Notice of Compliance letter issued by the MDE Oil Control Program on March 3, 1999 (Case 92-2091 AA2); and,
- Monitoring wells abandoned October 12, 1999.

1.2 Scope of Work

The subsurface investigation was completed using direct-push technology. Continuous soil samples were collected during completion of the four soil borings. The locations of the soil borings are shown on the attached Site Plan. Continuous soil samples were collected in a two-inch diameter acetate liner. The soil samples were field analyzed with a PID approximately every four feet. The PID detects relative levels of volatile organic compounds, including the volatile range of petroleum hydrocarbons. Four soil samples were collected for laboratory analysis of total petroleum hydrocarbons - gasoline range organics (TPH-GRO) based on PID readings and Advantage Environmental field determinations. One sample was also collected for analysis of diesel range organics (TPH-DRO). Three ground-water samples were collected for laboratory analysis of benzene, toluene, ethyl benzene and xylenes (BTEX), methyl tert-butyl ether (MTBE), t-Butyl alcohol (TBA), and TPH-GRO. One ground-water sample was also collected for TPH-DRO analysis.

2. SITE DESCRIPTION

2.1 Site and Vicinity Characteristics

The location is an active Crown gasoline station at the intersection of Bay Ridge Road and Forest Drive in Annapolis, Maryland. The facility consists of six dispensers, a canopy, utility building, a car wash and a sales kiosk. The station is located in a residential and commercial area and is bordered by Bay Ridge Road to the north; the intersection of Bay Ridge Road and Forest Drive to the east; Forest Drive to the south; and, commercial/residential apartment buildings to the west. Appendix A contains photographs of the station and surrounding area.

2.2 Storage Tank System

Fuel storage is in three 10,000-gallon gasoline underground storage tanks (USTs) and one 10,000-gallon diesel UST.

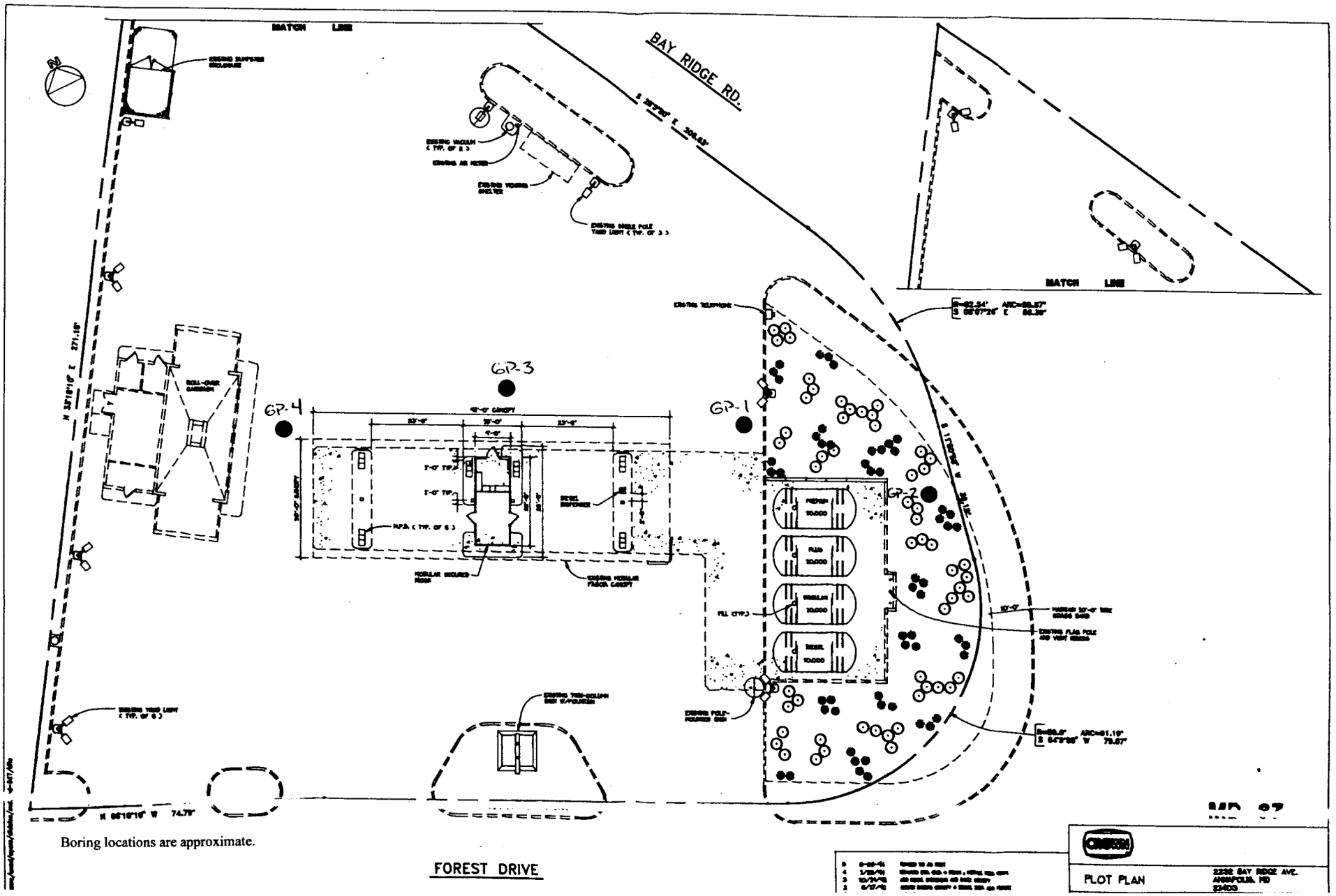
3. DIRECT-PUSH BORINGS

Four direct-push soil borings were completed on February 24, 2004 to depths ranging from 20 to 34 feet below surface grade. Continuous soil samples collected during completion of the borings were field analyzed with a PID at approximate four-feet intervals. Four soil samples were collected for TPH-GRO analysis. One sample was also collected for TPH-DRO analysis. Three ground-water samples were collected following the installation of temporary well screen for analysis of BTEX, MTBE, TBA and TPH-GRO. One ground-water sample was also collected for TPH-DRO analysis. Following sample collection, the well screen was removed and the borehole was filled with bentonite and completed with an asphalt cap. The boring locations are shown on the attached Site Plan.

4. RESULTS

Based on field observations, the subsurface lithology generally consists of 20 to 34 feet of fine sand and silt. PID readings ranged from 0.6 to 25 ppm. Ground-water saturation was observed at a depth of approximately 15 to 21 feet below grade.

The soil analytical results are summarized in Table I. The ground-water analytical results are summarized in Table II. The analytical results are compared to the MDE clean-up standards contained in *Maryland Environmental Assessment Technology for Leaking Underground Storage Tanks*. The laboratory analytical report is included as Appendix B.



Boring locations are approximate.

Table I
Summary of Soil Analytical Results
Crown Station MD-037
2232 Bay Ridge Road
Annapolis, Maryland

Sample Location	Sample Date	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
Non-Residential Cleanup Standard		***620***	***620***
GP-1 (18-20')	24-Feb-03	BQL (0.5)	
GP-2 (22-23.5')	24-Feb-03	5.0	35
GP-3 (22-24')	24-Feb-03	BQL (0.5)	
GP-4 (18-20)	24-Feb-03	BQL (0.5)	
Residential Cleanup Standard		***230***	***230***
Protection of Ground Water Standard		***No Standard***	***No Standard***

TPH-DRO = Total Petroleum Hydrocarbons - Diesel Range Organics
TPH-GRO = Total Petroleum Hydrocarbons - Gasoline Range Organics
BQL = Below Quantitation Limit (quantitation limit listed in parentheses)
Bolded values exceed one or more MDE Standard

Table II
Summary of Ground-Water Analytical Results
Crown Station MD-037
2232 Bay Ridge Road
Annapolis, Maryland

Sample Location	Sample Date	Benzene (ug/L)	Toluene (ug/L)	Ethyl Benzene (ug/L)	Xylenes (ug/L)	MTBE (ug/L)	TBA (ug/L)	TPH-GRO (mg/L)	TPH-DRO (mg/L)
Ground-Water Standard		*5*	*1,000*	*700*	*10,000*	*20*	*No Standard*	*0.047*	*0.047*
GP-1	24-Feb-03	**11**	BQL (5.0)	BQL (5.0)	9.4	**1,400**	4,300	**2.3**	
GP-2	24-Feb-03	BQL (500)	BQL (500)	**6,200**	**12,000**	**5,100**	27,000	**15**	**66**
GP-3	24-Feb-03	BQL (5.0)	BQL (5.0)	6.8	BQL (5.0)	9.4	13	BQL (0.5)	

MTBE = Methyl-Tert-Butyl Ether
TBA = t-Butyl Alcohol
TPH-GRO = Total Petroleum Hydrocarbons-Gasoline Range Organics
TPH-DRO = Total Petroleum Hydrocarbons-Diesel Range Organics
Bolded values exceed MDE Standard

Anabell
Environmental, Inc.
8648 Dakota Drive, Gaithersburg, MD 20877 Tel/Fax: (301) 548-9425

Laboratory Analysis Results

Laboratory:	Anabell Environmental Lab	Date Sampled:	
Client:	Quality Environmental Solutions, Inc.	Date Received:	2/27/2004
Site:	**Site-35**	Matrix:	**Soil**

	Concentration Detected	Units	Method	PQL	Date Analyzed
Sample ID: **C35 GP1**					
TPH - GRO	< 0.5	mg/Kg	EPA 8015	0.5	02/28/04
Sample ID: **C35 GP2**					
TPH - GRO	5.0	mg/Kg	EPA 8015	0.5	02/28/04
TPH - DRO	35	mg/Kg	EPA 8015	5.0	03/01/04
Sample ID: **C35 GP3**					
TPH - GRO	< 0.5	mg/Kg	EPA 8015	0.5	02/28/04
Sample ID: **C35 GP4**					
TPH - GRO	< 0.5	mg/Kg	EPA 8015	0.5	02/28/04

Approved Date

Anabell
Environmental, Inc.
8648 Dakota Drive, Gaithersburg, MD 20877 Tel/Fax: (301) 548-9425

Laboratory Analysis Results

Laboratory:	Anabell Environmental Lab	Date Sampled:	
Client:	Quality Environmental Solutions, Inc.	Date Received:	2/27/2004
Site:	**Site-35**	Matrix:	**Water**

		Concentration Detected	Units	Method	PQL	Date Analyzed
Sample ID:	**C35 GP1**					
Benzene		11	ug/L	EPA 8260	5.0	02/28/04
Toluene		< 5.0	ug/L	EPA 8260	5.0	02/28/04
Ethyl benzene		< 5.0	ug/L	EPA 8260	5.0	02/28/04
Total Xylenes		9.4	ug/L	EPA 8260	5.0	02/28/04
Methyl-t-butyl ether		1400	ug/L	EPA 8260	50	02/28/04
t-Butyl alcohol		4300	ug/L	EPA 8260	50	02/28/04
TPH - GRO		2.3	mg/L	EPA 8015	0.5	02/28/04
Sample ID:	**C35 GP2**					
Benzene		< 500	ug/L	EPA 8260	500	02/28/04
Toluene		< 500	ug/L	EPA 8260	500	02/28/04
Ethyl benzene		6200	ug/L	EPA 8260	500	02/28/04
Total Xylenes		12000	ug/L	EPA 8260	500	02/28/04
Methyl-t-butyl ether		5100	ug/L	EPA 8260	500	02/28/04
t-Butyl alcohol		27000	ug/L	EPA 8260	500	02/28/04
TPH - GRO		15	mg/L	EPA 8015	0.5	02/28/04
TPH - DRO		66	mg/L	EPA 8015	0.5	03/01/04
Sample ID:	**C35 GP3**					
Benzene		< 5.0	ug/L	EPA 8260	5.0	02/28/04
Toluene		< 5.0	ug/L	EPA 8260	5.0	02/28/04
Ethyl benzene		6.8	ug/L	EPA 8260	5.0	02/28/04
Total Xylenes		< 5.0	ug/L	EPA 8260	5.0	02/28/04
Methyl-t-butyl ether		9.4	ug/L	EPA 8260	5.0	02/29/04
t-Butyl alcohol		13	ug/L	EPA 8260	5.0	02/28/04
TPH - GRO		< 0.5	mg/L	EPA 8015	0.5	02/28/04

Approved Date

ANABELL ENVIRONMENTAL, INC.
8648 Dakota Drive Gaithersburg, Maryland 20877 Phone/Fax: (301) 548-9425

Environmental Sample Chain-of-Custody Record

Page of

CLIENT: CROWN # 35
TURN-AROUND TIME:
Job Number:
Site:
Sampler (s): SCOTT JONES

Sample ID	Date	Time	Comp	Grab	Matrix	Preserv. pH	# Bottles	GRO	BTEX	MTBE	TBA	DRO		Comments
CR-35 GP-1				X	Soil	—	1	X						
CR-35 GP-2				X	Soil	—	1 W RAG	X				X		
CR-35 GP-3				X	SOIL		1	X						
CR-35 GP-4				X	SOIL		1	X						
CR-35 GP-1				X	H_2O	HCl	2	X	X	X	X			
CR-35 GP-2				X	H_2O	HCl	2	X	X	X	X			
CR-35 GP-2				X	H_2O	H_2SO_4	1					X		
CR-35 GP-3				X	H_2O	HCl	2	X	X	X	X		1	

Analyses Requested

Section to be completed by Laboratory
Initials:
Temp:
Custody seal: Y N
Sample Storage:

VOA ONLY Air Bubbles (Y or N)	pH	TPH Chlorine Check No252C03

Relinquished By: [signature] Date/Time 2/27/04 1105
Received By: D. Browne Date/Time 2/27 1105
Relinquished By: Date/Time
Received By Laboratory: Date/Time
Report Results To: Fax:

Monthly Statistical Inventory Reconciliation (SIR) Report

JANUARY-2004

Company:	CROWNCEN MARKETING	**Phone:**	410-659-4701
Address:	P O BOX 1168 BALITMORE, MD 21203		

Station:	CROWN TX103-MD037 1323	**Phone:**	410-269-6129
Address:	2232 BAY RIDGE AVE ANNAPOLIS, MD 21403	**County:** **Facility No.:**	922750

SIR Provider:	Veeder-Root/USTMAN	**Phone:**	(303) 986-8011
SIR Version:	95.2B	**Report Date:**	05/12/2004

Tank	Tank and Line Status	Calculated Leak Rate	Product	Capacity	Sales	Deliveries
MD037-3-PRE	Pass	-0.06	PREMIUM	10000	26029	26962
MD037-2-PLU	Pass	0.12	PLUS	10000	23597	26311
MD037-1-REG	Pass	-0.06	REGULAR	10000	107939	109715
MD037-4-DIE	Pass	0.01	DIESEL	10000	5959	6605

This release detection report should be retained for possible review by regulatory agencies. Federal regulations require retention for one year. Some states require retention for a longer period.

Document printed on: 05/12/2004

12265 W. Bayaud Ave. * Suite 300 * Lakewood, CO 80228
1-800-253-8054 * (303) 986-8011 * FAX (303) 986-8227

Monthly Statistical Inventory Reconciliation (SIR) Report

FEBRUARY-2004

Company:	CROWNCEN MARKETING	**Phone:**	410-659-4701
Address:	P O BOX 1168 BALITMORE, MD 21203		

Station:	CROWN TX103-MD037 1323	**Phone:**	410-269-6129
Address:	2232 BAY RIDGE AVE ANNAPOLIS, MD 21403	**County:** **Facility No.:**	922750

SIR Provider:	Veeder-Root/USTMAN	**Phone:**	(303) 986-8011
SIR Version:	95.2B	**Report Date:**	05/12/2004

Tank	Tank and Line Status	Calculated Leak Rate	Product	Capacity	Sales	Deliveries
MD037-3-PRE	Pass	0.02	PREMIUM	10000	24201	23416
MD037-2-PLU	Pass	-0.04	PLUS	10000	21995	20918
MD037-1-REG	Pass	0.01	REGULAR	10000	100384	95921
MD037-4-DIE	Pass	-0.04	DIESEL	10000	4632	6977

This release detection report should be retained for possible review by regulatory agencies. Federal regulations require retention for one year. Some states require retention for a longer period.

Document printed on: 05/12/2004

12265 W. Bayaud Ave. * Suite 300 * Lakewood, CO 80228
1-800-253-8054 * (303) 986-8011 * FAX (303) 986-8227

Monthly Statistical Inventory Reconciliation (SIR) Report

MARCH-2004

Company:	CROWNCEN MARKETING	Phone:	410-659-4701
Address:	P O BOX 1168 BALTIMORE, MD 21203		

Station:	CROWN TX103-MD037 1323	Phone:	410-269-6129
Address:	2232 BAY RIDGE AVE ANNAPOLIS, MD 21403	County:	922750
		Facility No.:	

SIR Provider:	Veeder-Root/USTMAN	Phone:	(303) 986-8011
SIR Version:	95.2B	Report Date:	05/12/2004

Tank	Tank and Line Status	Calculated Leak Rate	Product	Capacity	Sales	Deliveries
MD037-3-PRE	Pass	0.04	PREMIUM	10000	31664	29871
MD037-2-PLU	Pass	-0.04	PLUS	10000	19551	19555
MD037-1-REG	Pass	0.02	REGULAR	10000	106592	112241
MD037-4-DIE	Pass	-0.10	DIESEL	10000	6098	4551

This release detection report should be retained for possible review by regulatory agencies. Federal regulations require retention for one year. Some states require retention for a longer period.

12265 W. Bayaud Ave. * Suite 300 * Lakewood, CO 80228
1-800-253-8054 * (303) 986-8011 * FAX (303) 986-8227

AAA Tank Testers

P.O. Box 789
Braselton, GA 30517-0789
(706) 654-1580 Toll Free (800) 749-2219

Date Completed: 4/16/2004
Invoice Number: 200401662

Test Site: MD037 1323
2232 Bay Ridge Ave & Forest Dr
Annapolis MD

Bill To: CROWN CENTRAL PETROLEUM
8701 Park Central Drive, Suite 100
Richmond VA 23227

CERTIFICATE OF TEST RESULTS

Certified test results for the test site are summarized below. Testing has been conducted in accordance with all federal and local regulations.

TANK TEST RESULTS

Tank	Type of Test	Product	Tank Capacity	Tank Diameter	Tank Test Result	Volume Change	Ullage Result
1	System 5000	Regular Unleaded	10000	126	PASS	N/A	PASS
2	System 5000	Plus Unleaded	10000	126	PASS	N/A	PASS
3	System 5000	Premium Unleaded	10000	126	PASS	N/A	PASS
4	System 5000	Diesel	10000	126	PASS	N/A	PASS

LINE AND LEAK DETECTOR TEST RESULTS

Tank	Line Type	Product	Volume Change	Line Test Results	Leak Detector	Leak Detector Results	Leak Detector Serial #
1	Pressure	Regular Unleaded	0	PASS	Yes	PASS	31102-9446
2	Pressure	Plus Unleaded	0	PASS	Yes	PASS	20203-4236
3	Pressure	Premium Unleaded	-0.002	PASS	Yes	PASS	30602-0686
4	Pressure	Diesel	-0.002	PASS	Yes	PASS	31091-4321

Comments:

Test conducted by: Frank Wetmore

Technician Certification Number: GAA0102011306C

Technician's Signature: Frank E. Wetmore

AAA Tank Testers

P.O. Box 789
Braselton, GA 30517-0789
(706) 654-1580 Toll Free (800) 749-2219

Tank, Line and Leak Detector Test Report

Facility: MD037 1323

Tank#: 1 Line#: 1

Test Date: 4/16/2004

Product: Regular Unleaded

Work Order #: 200401662

Tank Test Result

Test Method:	System 5000
Capacity:	10000
Diameter(in):	126
Product Level(in):	69
Liquid Volume(gals):	5810
Liquid Percent(%):	58%
Specific Gravity:	0.75
Coef. of Expansion:	0.000654
Water on Tank(in):	61
Water in Tank(in):	0
Product Temp(F):	
Head Pressure(psi):	-0.40
Test Start Time:	6:13 pm
Test End Time:	6:44 pm
Test Rate(gph):	N/A
Test Result:	**PASS**

Water Sensor

Calibration 1:	100
Calibration 2:	100
Calibration 3:	100
Calibration Avg:	100

Ullage Test Result

Test Method:	System 5000
Ullage Volume(gals):	4190
Ullage Test Time:	6:13 pm
Ullage Vacuum(psi):	1.00
Ullage Result:	**PASS**

Leak Detector Test Result

Test Method:	FTA
Manufacture:	Red Jacket
L/D Model:	116-056
L/D Serial #:	31102-9446
L/D Test Rate(gph):	4.99
L/D Result:	**PASS**

Method of Determining H2O Table

Monitored Well

Line Test Result

Test Method:	Petro-Tite
Pump Brand:	Red Jacket
System Type:	Pressure
Line Pressure(psi):	50
Test Start Time:	6:02 pm
Test End Time:	6:32 pm
Test Start Level:	0.041
Test End Level:	0.039
Line Test Rate (gph):	0.000
Line Test Result:	**PASS**

Comments:

N/A

AAA Tank Testers

P.O. Box 789
Braselton, GA 30517-0789
(706) 654-1580 Toll Free (800) 749-2219

Tank, Line and Leak Detector Test Report

Facility: MD037 1323

Tank#: 2 Line#: 1

Test Date: 4/16/2004

Product: Plus Unleaded

Work Order #: 200401662

Tank Test Result

Test Method:	System 5000
Capacity:	10000
Diameter(in):	126
Product Level(in):	46
Liquid Volume(gals):	3424
Liquid Percent(%):	34%
Specific Gravity:	0.75
Coef. of Expansion:	0.000654
Water on Tank(in):	61
Water In Tank(in):	0
Product Temp(F):	
Head Pressure(psi):	-0.98
Test Start Time:	7:00 pm
Test End Time:	7:31 pm
Test Rate(gph):	N/A
Test Result:	**PASS**

Water Sensor

Calibration 1:	100
Calibration 2:	100
Calibration 3:	100
Calibration Avg:	100

Ullage Test Result

Test Method:	System 5000
Ullage Volume(gals):	6576
Ullage Test Time:	7:00 pm
Ullage Vacuum(psi):	1.00
Ullage Result:	**PASS**

Leak Detector Test Result

Test Method:	FTA
Manufacture:	Red Jacket
L/D Model:	116-056
L/D Serial #:	20203-4236
L/D Test Rate(gph):	4.99
L/D Result:	**PASS**

Method of Determining H2O Table

Monitored Well

Line Test Result

Test Method:	Petro-Tite
Pump Brand:	Red Jacket
System Type:	Pressure
Line Pressure(psi):	50
Test Start Time:	6:03 pm
Test End Time:	6:33 pm
Test Start Level:	0.041
Test End Level:	0.039
Line Test Rate (gph):	0.000
Line Test Result:	**PASS**

Comments:

N/A

AAA Tank Testers

P.O. Box 789
Braselton, GA 30517-0789
(706) 654-1580 Toll Free (800) 749-2219

Tank, Line and Leak Detector Test Report

Facility: MD037 1323

Tank#: 3 Line#: 1

Test Date: 4/16/2004

Product: Premium Unleaded

Work Order #: 200401662

Tank Test Result

Test Method:	System 5000
Capacity:	10000
Diameter(in):	126
Product Level(in):	51
Liquid Volume(gals):	3934
Liquid Percent(%):	39%
Specific Gravity:	0.75
Coef. of Expansion:	0.000654
Water on Tank(in):	60
Water in Tank(in):	0
Product Temp(F):	
Head Pressure(psi):	-0.83
Test Start Time:	7:46 pm
Test End Time:	8:17 pm
Test Rate(gph):	N/A
Test Result:	**PASS**

Water Sensor

Calibration 1:	100
Calibration 2:	100
Calibration 3:	100
Calibration Avg:	100

Ullage Test Result

Test Method:	System 5000
Ullage Volume(gals):	6066
Ullage Test Time:	7:46 pm
Ullage Vacuum(psi):	1.00
Ullage Result:	**PASS**

Leak Detector Test Result

Test Method:	FTA
Manufacture:	Red Jacket
L/D Model:	116-056
L/D Serial #:	30602-0686
L/D Test Rate(gph):	4.99
L/D Result:	**PASS**

Method of Determining H2O Table

Monitored Well

Line Test Result

Test Method:	Petro-Tite
Pump Brand:	Red Jacket
System Type:	Pressure
Line Pressure(psi):	50
Test Start Time:	6:04 pm
Test End Time:	6:34 pm
Test Start Level:	0.041
Test End Level:	0.039
Line Test Rate (gph):	-0.002
Line Test Result:	**PASS**

Comments:

N/A

AAA Tank Testers

P.O. Box 789
Braselton, GA 30517-0789
(706) 654-1580 Toll Free (800) 749-2219

Tank, Line and Leak Detector Test Report

Facility: MD037 1323

Tank#: 4 Line#: 1

Test Date: 4/16/2004

Product: Diesel

Work Order #: 200401662

Tank Test Result

Test Method:	System 5000
Capacity:	10000
Diameter(in):	126
Product Level(in):	51
Liquid Volume(gals):	3934
Liquid Percent(%):	39%
Specific Gravity:	0.85
Coef. of Expansion:	0.0004
Water on Tank(in):	68
Water in Tank(in):	0
Product Temp(F):	
Head Pressure(psi):	-0.87
Test Start Time:	8:31 pm
Test End Time:	9:02 pm
Test Rate(gph):	N/A
Test Result:	**PASS**

Water Sensor

Calibration 1:	100
Calibration 2:	100
Calibration 3:	100
Calibration Avg:	100

Ullage Test Result

Test Method:	System 5000
Ullage Volume(gals):	6066
Ullage Test Time:	8:31 pm
Ullage Vacuum(psi):	1.00
Ullage Result:	**PASS**

Leak Detector Test Result

Test Method:	FTA
Manufacture:	Red Jacket
L/D Model:	116-035
L/D Serial #:	31091-4321
L/D Test Rate(gph):	4.99
L/D Result:	**PASS**

Method of Determining H2O Table

Monitored Well

Line Test Result

Test Method:	Petro-Tite
Pump Brand:	Red Jacket
System Type:	Pressure
Line Pressure(psi):	50
Test Start Time:	6:05 pm
Test End Time:	6:35 pm
Test Start Level:	0.040
Test End Level:	0.039
Line Test Rate (gph):	-0.002
Line Test Result:	**PASS**

Comments:

N/A

AAA Tank Testers

P.O. Box 789
Braselton, GA 30517-0789
(706) 654-1580 Toll Free (800) 749-2219

Test Site: MD037 1323
2232 Bay Ridge Ave & Forest Dr
Annapolis MD

Bill To: CROWN CENTRAL PETROLEUM
8701 Park Central Drive, Suite 100
Richmond VA 23227

			Pressure Start	Pressure End	Volume Start	Volume End	Vol. Net Change	Product
Tank #: 1	6:17 pm	1st Reading	50	50	0.041	0.041	0.000	Regular Unleaded
Line #: 1	6:32 pm	2nd Reading	50	50	0.039	0.039	0.000	BleedBack: 0.058
Start Time:		3rd Reading						Line Test Rate: 0.000
6:02 pm		4th Reading						Line Test Result: PASS
Tank #: 2	6:18 pm	1st Reading	50	49	0.041	0.041	0.000	Plus Unleaded
Line #: 1	6:33 pm	2nd Reading	50	50	0.039	0.039	0.000	BleedBack: 0.053
Start Time:		3rd Reading						Line Test Rate: 0.000
6:03 pm		4th Reading						Line Test Result: PASS
Tank #: 3	6:19 pm	1st Reading	50	48	0.041	0.040	-0.001	Premium Unleaded
Line #: 1	6:34 pm	2nd Reading	50	50	0.039	0.039	0.000	BleedBack: 0.053
Start Time:		3rd Reading						Line Test Rate: -0.002
6:04 pm		4th Reading						Line Test Result: PASS
Tank #: 4	6:20 pm	1st Reading	50	48	0.040	0.039	-0.001	Diesel
Line #: 1	6:35 pm	2nd Reading	50	50	0.039	0.039	0.000	BleedBack: 0.026
Start Time:		3rd Reading						Line Test Rate: -0.002
6:05 pm		4th Reading						Line Test Result: PASS



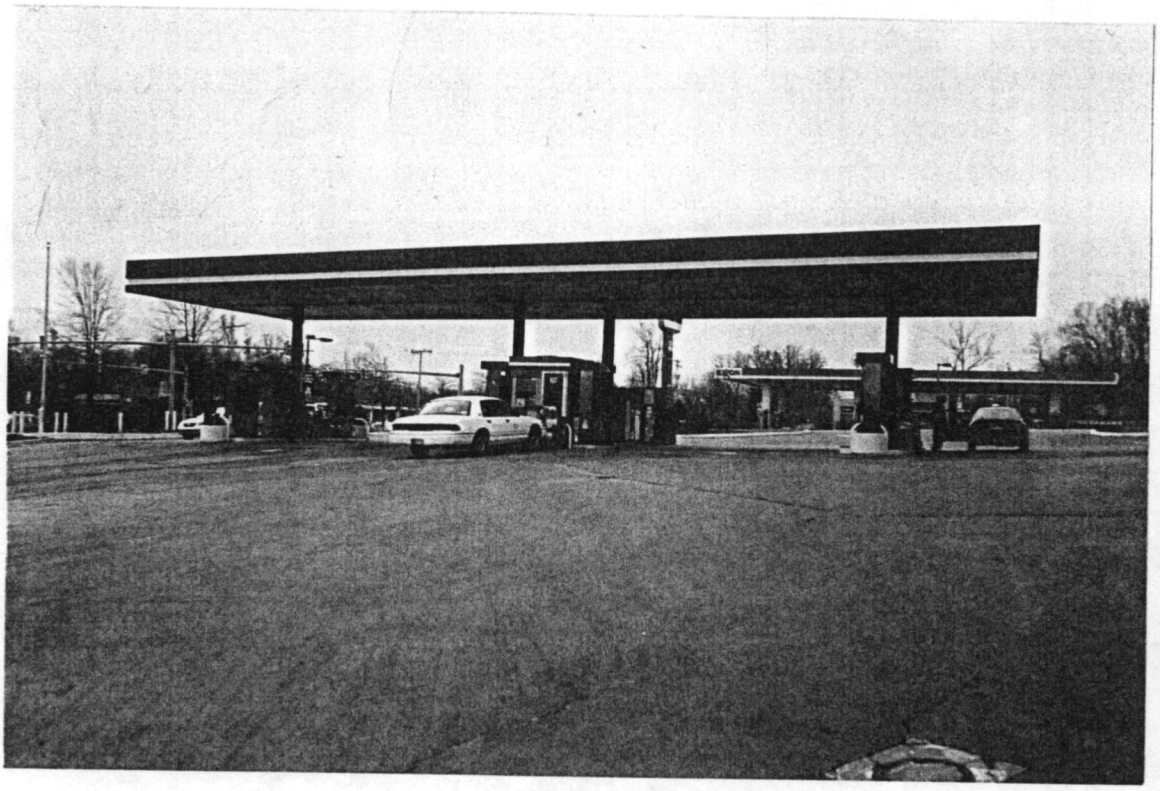
Photograph 1



Photograph 2



Photograph 3



Photograph 4

04-1884 and 04-1839

SUPERVISOR CLOSURE REVIEW

Case No. 2004-1839 AA2 - 5/10/04 | Date: 9/17/07
2004-1884 AA2 5/13/04

Release detected? Yes X No ☐

Comment: COMPLIANCE INSPECTION ; LIMITED SUBSURFACE INVESTIGATION FOR DIVESTMENT

	FEDERAL (UST *Motor/Lube*/Bulk)	Code	STATE (UST *Heating Oil*/All AST)	Code	
	Color Coding	C3	Aboveground Tank Leak	A5a/A5b	
X	Compliance Inspections	C11	Dumping	A4/A4e	
	Ground Seep Investigation	B6	Open Water	A1/A1a,b,e	
	Inventory	C5	Permit Inspections	A6	
	New Installation	C1	New Installation	C2a/C2b	
	Overfill Protection	C10	Transfer Accident	A3/A3a,b,e	
	Registration	C4	Registration	C4a/C4b	
	Release Detection	C9	Vehicle Accident	A2/A2e	
	Retrofit/Repair	C7	Retrofit/Repair	C8a/C8b	
X	Soil Contamination	B7	Soil Contamination	B7a/B7b	
	Surface Spill Originating from UST	B11	Surface Spill Originating from UST	B11a/B11b	
	Tank Removal/Abandonment	B8	Tank Removal/Abandonment	B9a/B9b	
	Tank Test Failure	B1	Tank Test Failure	B2a/B2b	
	Tank Truck Driver Attendance	C6	Tank Truck Driver Attendance	C6a/C6b	
	Vapor Problem	B5	Vapor Problem	B5a/B5b	
X	Well/Groundwater Contamination	B3	Well/Groundwater Contamination	B4a/B4b	
	Other	B10	Other	B10a/B10b	
			Unknown Source/Surface Spill	A7	
			Unknown Source/Surface Spill-E	A7e	
			Other	A8	
			Other – Emergency	A8e	

a = Residential Heating Oil **b – Commercial Heating Oil** **e = Emergency**

Agree to close? Yes ☒ No ☐

X Residual petroleum contamination may remain on site. However, based on available data, it appears this contamination poses no threat to human health or the environment.

X Inspector's findings complete
☐ Site poses no risk
☐ Other

Reference/Support: INFO FOR BOTH CASES ARE PRESENT IN THIS FILE. COMPLIANCE REQUIREMENTS RECEIVED; LIMITED INFORMATION RECEIVED IN SUBSURFACE INVESTIGATION DOES NOT APPEAR TO HAVE THREAT TO HUMAN HEALTH OR ENV. BENZENE, ~~TOL~~ ETHYLBENZENE, XYLENES, MTBE ALL EXCEED DRINKING WATER ~~STANDARDS~~ STANDARDS. SITE ON PUBLIC WATER. CASE IS INACTIVE. NO LETTER SENT

Signature: Michael T. Fuller Date: 9/17/07

Maryland Department of the Environment

Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 410-537-3092 (fax) 1-800-633-6101 x3442 http://www.mde.state.md.us

Underground Storage Tank System Compliance Inspection Report

Instructions: Only a person currently certified by the Maryland Department of the Environment in UST Inspection shall complete this report. Detailed instructions on how to complete this form are provided in MDE's "UST Operations Inspector Reference Handbook," which is available at: http://www.mde.state.md.us/assets/document/OilControl/USTInspector_Reference_Handbook.pdf. Use a second form for facilities with more than 5 tanks. Type or Print all information with blue or black ink.

MAR 15 2021

Section 1: General Information

Facility Name: Shell Station – PMG 5038 sec 2/4/21 email
Location Address: 2232 Bay Ridge Avenue
City: Annapolis
Telephone No.:
Owner Name: PMIG 1001, LLC
Mailing Address: 2900 Telestar Court
City, State, Zip: Falls Church, Virginia 22042
Telephone No.: (443) 910-3630
Fax No.:
E-Mail: mfrank@petromg.com
Operator Name: SAME AS OWNER
Telephone No.:
Fax No.:
E-Mail:

MDE Facility ID Number:	Date of Inspection: mm/dd/yyyy	Current UST Registration Certificate on display or available onsite?	All applicable tanks registered?	Site located in High Risk Groundwater Use Area? *	Site or neighbor supplied by a potable Well? *	Owner/Operator has provided approved documentation to demonstrate Financial Responsibility?
4352	2/4/2021	YES	YES	NO	NO	YES P

Inspection Summary

Tank System ID Number as listed on MDE UST Registration Form	Section No	TANK #1	TANK #2	TANK #3	TANK #4
Owner Tank ID # (if different)					
Fill out the following using these codes: **P**=Pass Inspection, **PC**=Pass w/corrections, **F**=Fail Inspection, **NA**= Not Applicable					
Status: (Temporarily Out of Use)	(3.)	I	I	I	I
Containment Sump Inspection	(4a.)	PC	PC	PC	PC
Dispenser Inspection	(4b.)	P	P	P	P
Tank Top Inspection	(5a.)	P	P	P	P
Vent Pipe Inspection	(5b.)	P	P	P	P
Spill Prevention P	(6a.)	P	P	P	P
Overfill Prevention P	(6b.)	P	P	P	P
Stage I Vapor Recovery	(7a.)	P	P	P	P
Stage II Vapor Recovery	(7b.)	P	P	P	P
Piping Construction and Corrosion Protection P	(8.)	P	P	P	P
Tank Construction and Corrosion Protection P	(8.)	P	P	P	P
Tightness Testing	(9.)	P	P	P	P
Facility House Keeping	(10a.)	P	P	P	P
Tank Field Monitoring Pipes and Site Wells	(10b.)	P	P	P	P
Inventory Control	(11.)	P	P	PC	PC
Tank Release Detection P	(12.)	P	PC	PC	P
Piping Release Detection P	(12.)	P	P	P	P
Operator Training	(14.)	P	P	P	P
Inspector and Owner/Operator has signed page 2 and initialed page 24		YES			
Addendum Form Used		NO			

Section 1: General Comment

§ 4-417 Environment Article, Annotated Code of Maryland

(c) *False statements in required documents; tampering with monitoring devices.* Any person who knowingly makes any false statement, representation, or certification in any application, record, report, plan, or other document filed or required to be maintained under this title, or by any permit, rule, regulation or order issued under this title, or who falsifies, tampers with, or knowingly renders inaccurate any monitoring device or method required to be maintained under this title or by any permit, rule, regulation, or order issued under this title, upon conviction, is subject to a fine not exceeding $10,000, or by imprisonment not exceeding six months or both.

This Notice is provided pursuant to § 10-624 of the State Government Article of the Maryland Code. The personal information requested on this form is intended to be used in processing your inspection form. Failure to provide the information requested may result in your inspection form not being processed. You have the right to inspect, amend, or correct this form. The Maryland Department of the Environment ("MDE") is a public agency and subject to the Maryland Public Information Act. This form may be made available on the Internet via MDE's website and is subject to inspection or copying, in whole or in part, by the public and other governmental agencies, if not protected by federal or State law.

Certified Inspector: Christopher Ortolani
Company: ADVANTAGE ENVIRONMENTAL CONSULTANTS, LLC
Certification No.: MDIC 2019-0262
Expiration. Date: February 1, 2021
Telephone No.: (301) 776-0500
Facsimile No.: (301) 776-1123
E-mail address: cortolani@aec-env.com

***"High Risk Groundwater Use Area" (HRGUA) means all areas served by individual wells. Existing UST systems installed prior to 1/26/05 in Baltimore, Carroll, Cecil, Frederick and Harford counties or New UST systems installed after 1/26/05 in Anne Arundel, Baltimore, Carroll, Cecil, Charles, Calvert, Frederick, Harford, Howard, Montgomery, and Prince George's counties.**

The MDE UST database will be updated with information listed in this inspection report and any amended facility registration form unless additional forms are required by regulation.

Certified Inspector:	**Owner/Operator or Designated Representative**
I, the Maryland Certified Inspector, have performed this UST Inspection and believe the contents of this report to be true and accurate without misrepresentation or falsification. As well, I have no financial interest with this UST Facility.	I, the Owner/Operator/Designated Representative (circle one), have read this Inspection Report and understand the condition of my UST facility, including all deficiencies, corrections, and recommendations.
Print Name: Christopher Ortolani	Title: Environmental Compliance Manager
Signature: Chris Ortolani	Print Name: Michael T. Frank
Date: 2/4/2021	Signature: Michael T. Frank
	Date: 2/4/2021

Mail REPORT To:	**Questions? Call MDE Oil Control Program at**
MDE Oil Control Program	**410-537-3442**
Suite 620	**See our web page at:**
1800 Washington Blvd.	**http://www.mde.state.md.us**
Baltimore MD 21230-1719	

MDE Use Only

Certification Section – Reviewed By ECB

Date Reviewed 4/2/2021 Pass ✓ Fail ____

Comments 12955

Data Clerk's Initials dt Date Entered 9/12/23

Section 2: Tank System Information

manifold tank

Fill out the tank number for each tank but only use the MDE Tank ID numbering system. Use (√) box if information is obtained from facility registration form.

Tank and Piping (MDE ID#)	(√)	TANK #1	TANK #2	TANK #3	TANK #4
Owner Tank ID # (if different)					
Status (**I**-in use or **T**-temp. out of use)		I	I	I	I
Date of Installation (month/year)		08/1992	08/1992	08/1992	08/1992
Capacity (gallons)		10,000	10,000	10,000	10,000
Product (see Chart **A** below for code and list each compartment tank product separately)		2	2	2	1
Tank Construction Material (see Chart **B** for code)		6	6	6	6
Compartment Tank (Yes/No) (If Yes, list capacity of each compartment separately)		NO	NO	NO	NO
Double-Wall Tank (Yes/No)		NO	NO	NO	NO
Piping Type (SS) safe suction; **(US)** U.S. suction **(G)** gravity; **(P)** pressure		P	SS Suction Line	P	P
Piping Construction Material (see Chart **C** for code)		3	3	3	3
Double-Wall Piping (Yes/No)		NO	YES	NO	NO
Outer Wall Pipe Construct. Material (see Chart **C** for code)		NA	3	NA	NA
Emergency Power Generator UST (Yes/No)		NO	NO	NO	NO

Global Position Signal – Only one set of coordinates is to be collected while standing over the center of each tank field.	**Tank Field #1**	
	Latitude: 38.950399	Longitude: -76.492615
List tank MDE ID # for each tank field according to MDE Registration Form.	1,2,3,4	

Section 2: Tank System Information continued on Page 4

CHART A

CODE	PRODUCT DESCRIPTION
1	Diesel
2	Gasohol **E-10**
2a	Ethanol **E-85**
2b	Methanol
3	Gasoline
4	Hazardous Substance
5	Heating Oil # 2
5a	Heating Oil # 4
5b	Heating Oil # 5
5c	Heating Oil # 6
6	Kerosene
7	Mixture
8	Used Oil
9	Car Wash O/W Separator UST
10	Other (**Must Describe**)

CHART B

CODE	TANK MATERIAL DESCRIPTION
1	Asphalt Coated or Bare Steel
2	Cathodically Protected Steel
3	Composite (Steel w/FRP)
4	Concrete
5	Epoxy Coated Steel
6	Fiberglass Reinforced Plastic (FRP)
7	Polyethylene Tank Jacket
8	Other (**Must Describe**)

CHART C

CODE	PIPING MATERIAL DESCRIPTION
1	Bare Steel
2	Galvanized Steel
3	Fiberglass Reinforced Plastic (FRP)
4	Copper
4a	Copper-slvd. in PVC, FRP or Plastic
5	Flexible Plastic
6	No Piping
7	Other (**Must Describe**)

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Section 2: Tank System Information

manifold tanks

Fill out the tank number for each tank but only use the MDE Tank ID numbering system. Use (√) box if information is obtained from facility registration form.

Tank and Piping (MDE ID#)	(√)	TANK #1	TANK #2	TANK #3	TANK #4
Owner Tank ID # (if different)					
Status (**I**-in use or **T**-temp. out of use)		I	I	I	I
Date of Installation (month/year)		08/1992	08/1992	08/1992	08/1992
Capacity (gallons)		10,000	10,000	10,000	10,000
Product (see Chart **A** below for code and list each compartment tank product separately)		2	2	2	1
Tank Construction Material (see Chart **B** for code)		6	6	6	6
Compartment Tank (Yes/No) (If Yes, list capacity of each compartment separately)		NO	NO	NO	NO
Double-Wall Tank (Yes/No)		NO	NO	NO	NO
Piping Type (SS) safe suction; **(US)** U.S. suction **(G)** gravity; **(P)** pressure		P	~~P~~ SS (Flex Line)	P	P
Piping Construction Material (see Chart **C** for code)		3	3	3	3
Double-Wall Piping (Yes/No)		NO	YES	NO	NO
Outer Wall Pipe Construct. Material (see Chart **C** for code)		NA	3	NA	NA
Emergency Power Generator UST (Yes/No)		NO	NO	NO	NO

corrected based on section 12 and registered information EB

Global Position Signal – Only one set of coordinates is to be collected while standing over the center of each tank field.	**Tank Field #1**	
	Latitude: 38.950399	Longitude: -76.492615
List tank MDE ID # for each tank field according to MDE Registration Form.	1,2,3,4	

Section 2: Tank System Information continued on Page 4

CHART A

CODE	PRODUCT DESCRIPTION
1	Diesel
2	Gasohol **E-10**
2a	Ethanol **E-85**
2b	Methanol
3	Gasoline
4	Hazardous Substance
5	Heating Oil # 2
5a	Heating Oil # 4
5b	Heating Oil # 5
5c	Heating Oil # 6
6	Kerosene
7	Mixture
8	Used Oil
9	Car Wash O/W Separator UST
10	Other **(Must Describe)**

CHART B

CODE	TANK MATERIAL DESCRIPTION
1	Asphalt Coated or Bare Steel
2	Cathodically Protected Steel
3	Composite (Steel w/FRP)
4	Concrete
5	Epoxy Coated Steel
6	Fiberglass Reinforced Plastic (FRP)
7	Polyethylene Tank Jacket
8	Other **(Must Describe)**

CHART C

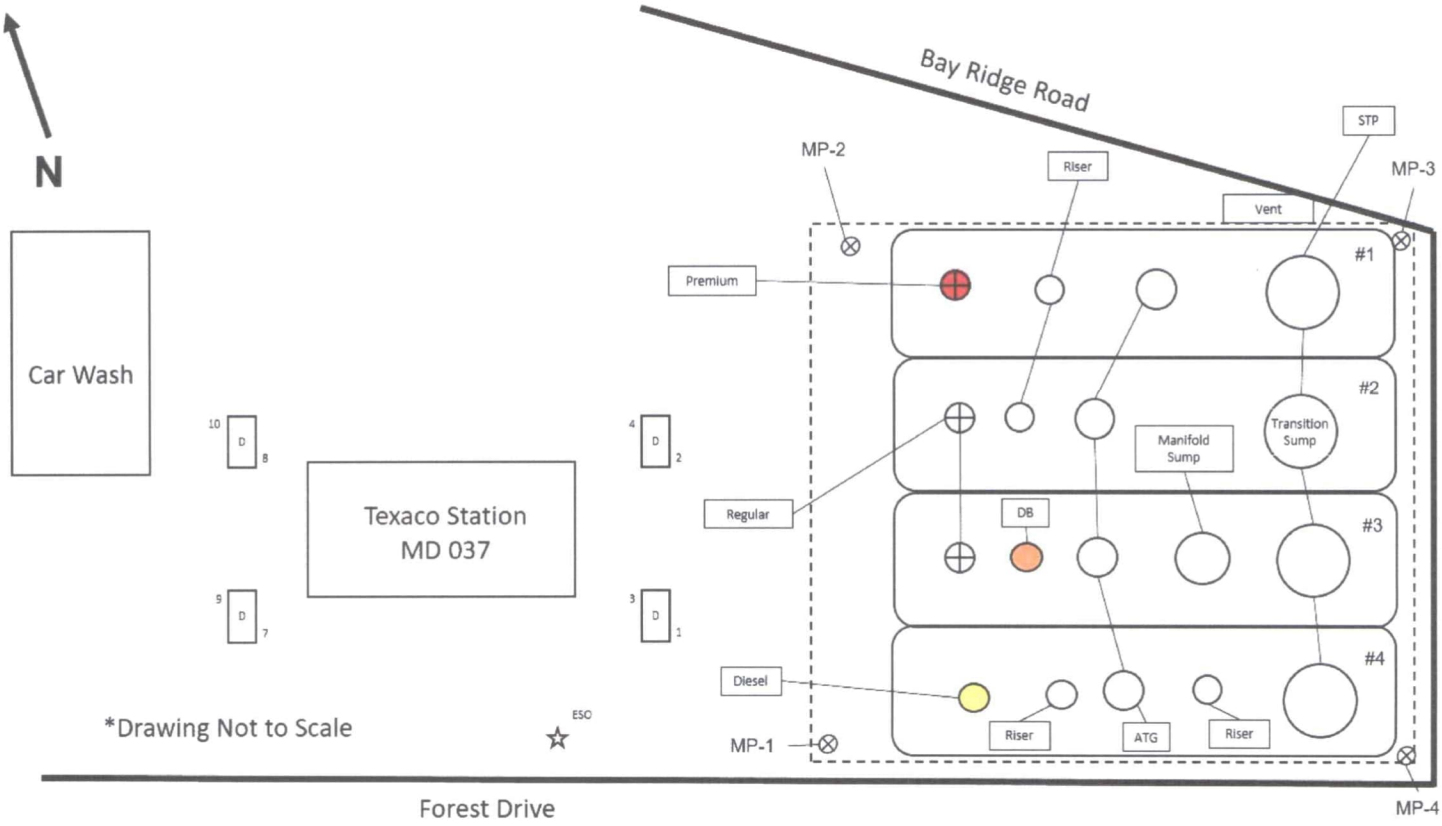
CODE	PIPING MATERIAL DESCRIPTION
1	Bare Steel
2	Galvanized Steel
3	Fiberglass Reinforced Plastic (FRP)
4	Copper
4a	Copper-slvd. in PVC, FRP or Plastic
5	Flexible Plastic
6	No Piping
7	Other **(Must Describe)**

Section 2: Tank System Information (cont'd.)

Diagram: Show layout of site and all UST systems.

KEY/LEGEND (Include if applicable)

(BLD) Building location
(TF) Tank Field
(T #) Tanks (including all compartments) with MDE tank ID #s
(P) Product piping
(PS) Piping sumps
(D) Dispenser
(V) Vent pipe
(•) Tank field monitoring pipe
(ESO) Emergency Shutoff Switch
⊗ Monitoring well
(CP) Cathodic protection test station
↑ North arrow
═╫ Roads bordering property
(DB) Dry Break/Stage I vapor recovery
(STP Sump) Submersible Turbine Pump
(ATG Probe) Automatic Tank Gauge
(FP) Fill Pipe
(AN) Impressed current anodes



Section 3: Tank Temporarily Closed or Taken Out of Service

Fill out this section for any tank that is "temporarily closed" or "taken out of service" (empty, out of use). A complete inspection of these tanks is required. This section does not apply to a tank that is currently in use or permanently out of use.

Not Applicable

#	Answer all (P)ass, (F)ail (PC), or (NA) for each Tank				
1	Tank contains less than 1" of product.				
2	Tank vented and fill pipe locked.				
3	Date temp. closed or taken out of service (Month/Day/Year).				
4	UST closed 3 months or more, drain and cap product lines and secure other lines, pumps, and manways (vent line open and operating).				
Temporarily Closed Tank(s) passes inspection. Questions 1,2 and 4 are (P) **or** (PC)					

Section 4: Containment Sump and Dispenser Inspection

Applicable

4.a. Containment Sump Inspection

#	Complete 1 and 8. Answer (P)ass, (PC), (F)ail or (NA) for 2 – 7 (each tank)	TANK #1	TANK #2	TANK #3	TANK #4
1	(√)Equipped with containment sump dispenser-	√	√	√	√
	tank top -	√	√	√	√
	vent riser -				
	Stage two-condensate pod -				
	Other – Specify in comments -				
2	All containment sumps are clean and free of debris, product, and water.	PC	PC	PC	PC
3	All manway covers and containment sump lids are properly fitted and not in contact with cap, piping, or pump.	P	P	P	P
4	All containment sumps have no visible cracks, holes, or openings.	P	P	P	P
5	If sump equipped with liquid sensor the sensor is properly secured and within 1" of sump bottom or meets manufacturer's specifications.	NA	NA	NA	NA
6	If equipped with double-wall piping, test boot is open to allow product flow to sump.	NA	P	NA	NA
7	Containment sump has been tested within past 5 years with passing results.	P	P	P	P
8	Enter Date of last containment sump test.	8/11/2017 11/10/2017	8/11/2017 11/10/2017	8/11/2017 11/10/2017	8/11/2017 11/10/2017
Containment Sump passes inspection. Questions 2 – 7 are (P) **or** (PC)		**PC**	**PC**	**PC**	**PC**

Note: If answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.

Comments:

2 – ALL TANKS – PC – Water in tank top sumps, removed by PMI on 2/4/2021

Applicable

Section 4: Containment Sump and Dispenser Inspection (cont'd.)

4.b. Dispenser Inspection

#	Answer (P)ass, (PC), (F)ail or (NA) for each dispenser	D-1/3	D-2/4	D-5/7	D-6/8
1	Dispenser in good condition and properly secured to pump island.	P	P	P	P
2	Shear valve (pressure system) properly secured and shear section within ½" of top of pump island or manufacturer specifications.	P	P	P	P
2a.	Fusible link or other thermally actuated device properly connected.	P	P	P	P
2b.	Product pipe manifold installed above the shear valves.	NO	NO	NO	NO
3.	Shear valve (Stage II piping) properly secured and shear section within ½" of top of pump island by manufacturer specifications **or** with flex connector.	NA	NA	NA	NA
4	Dispenser hose in good condition with no cuts, or holes and equipped with breakaway device.	P	P	P	P
5	Dispenser hose properly secured and not subject to damage from vehicle traffic (hose retractor).	P	P	P	P
6	Emergency shut-off present.	P	P	P	P
6a.	Emergency shut-off properly identified.	P	P	P	P
6b.	Emergency shut-off in correct location.	P	P	P	P
7	Dispenser is not leaking product.	P	P	P	P
8	Flex connector observed under dispenser..If in contact with soil, complete Section 8.	YES	YES	YES	YES
9	**Marina** Hold open device has been removed from nozzle.	NA	NA	NA	NA
Dispenser passes inspection. Questions 1 – 7 and 9 are (P) **or** (PC)		**P**	**P**	**P**	**P**

Note: ***If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.***

If more then 5 dispensers include additional copies of this page.

Comments:

Section 5: Tank Top Components and Vent Pipe Inspection

5.a. Tank Top Inspection

#	Complete 1-3. Answer (P)ass, (PC), (F)ail or (NA) for 1a, 1b, and 4 -7 for each tank	TANK #1	TANK #2	TANK #3	TANK #4
1	Storage tank equipped with ATG? If Yes, complete 1a., 1b.	YES	YES	YES	YES
1a.	ATG riser is capped and electrical connection secure with proper grommet.	P	P	P	P
1b	ATG manway lid properly fitted and not in contact with riser or electrical wires.	P	P	P	P
2	Flex connector present on STP? If in contact with soil complete Section 8.	YES	YES	YES	YES
3	Interstice monitoring system (double wall tank) or inspection station present?	NA	NA	NA	NA
4	Ball Float riser and other riser pipes are fitted with proper caps; manway covers are not in contact with cap or riser pipe.	P	P	P	P
5	No petroleum vapors present during ATG, Ball Float, or Vent riser inspection, or STP without sump.	P	P	P	P
6	Note all vapor field readings if taken for ATG, Ball Float, or Vent riser, or STP without sump.	NA	NA	NA	NA
7	**Marina.** Each pipeline has a readily accessible shut-off valve grouped at one location on shore near approach to pier or dock and marked "emergency shut-off"?	NA	NA	NA	NA
Tank Top Components passes inspection. Questions 1a., 1b.and 4 – 7are (P) or (PC) and 3 yes **or** component not required		**P**	**P**	**P**	**P**

Note: If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.

Comments:

5.b. Vent Pipe Inspection

#	Answer (P)ass, (PC), (F)ail or (NA) for each vent	TANK #1	TANK #2	TANK #3	TANK #4
1	Vent pipe riser is constructed of steel?	P	P	P	P
2	Vent pipe is properly anchored and protected from vehicle traffic (bollards or secured to building)?	P	P	P	P
3	Vent pipe is proper height (flammable liquids 12 feet above ground surface and 2 feet above any attached building). (Combustible liquids minimum 3 feet above ground surface)?	P	P	P	P
4	Equipped with vent cap (flammable liquid with Stage I vapor recovery must have pressure vent cap)?	P	P	P	P
Vent passes inspection. Questions 1 – 4 are (P) **or** (PC)		**P**	**P**	**P**	**P**

Note: If the answer to any questions is (F), explain below. List any problems noted during inspection. Note corrections.

Comments:

Section 6: Spill and Overfill

6.a. Spill Device

#	Answer (P)ass, (PC), (F)ail or (NA)	TANK #1	TANK #2	TANK #3	TANK #4
1	Equipped with minimum 5-gallon catch basin. (Note: Used oil and heating oil USTs installed, upgraded, or replaced after 11-4-96 require catch basin).	P	P	P	P
2	Basin clean and free of debris and water.	P	P	P	P
3	Basin has no cracks or holes observed.	P	P	P	P
4	No abnormalities observed in fill pipe. (No bent drop tubes, no cracks or holes observed in basin especially at connection to tank and spill device).	P	P	P	P
5	Basin lid fits properly and not in contact with fill cap.	P	P	P	P
6	Fill pipe marked to indicate size of tank/type of product stored or Lid contains API color symbol w/posted sign to indicate tank size and type of product within delivery driver view.	P	P	P	P
7	Catch basin tested within past year with passing results in accordance with Maryland Containment System Testing Protocol.	P	P	P	P
7a.	Date of last test:	6/23/2020	9/11/2020	6/23/2020	6/23/2020
8	Spill device not required: (Tank receives less than 25-gallons of petroleum per delivery or heating oil UST installed prior to 11-4-96 is not required to have a spill device). If not required indicate (P).	NA	NA	NA	NA
Spill device passes inspection. Questions 1 – 8 are (P) **or** (PC)		**P**	**P**	**P**	**P**

Note: If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.

Comments:

Section 6: Spill and Overfill (cont'd.)

6.b. Overfill Device

#	Complete 2 – 4. Answer (P)ass, (PC), (F)ail or (NA) for 1 and 5 – 9	TANK #1	TANK #2	TANK #3	TANK #4
1	Fill drop tube required and observed.	P	P	P	P
2	Overfill device present (list all present): Flapper Valve (FV), Ball Float Valve (BFV), High Level Alarm (HLA), Other Describe.	FV	FV	FV	FV
3	Indicate delivery method–gravity (G) or pump flow (PF).	G	G	G	G
4	Owner/Operator ensures releases due to spilling or overfilling do not occur? For example, product is measured prior to each delivery to ensure enough room in tank for product and all fuel deliveries are monitored.	YES	YES	YES	YES
5	Visually observed overfill device housing, documentation of installation provided, OR certification provided from a certified UST installer attesting to overfill device operability.	P	P	P	P
6	Tank receives less than 25-gallons of petroleum per delivery or heating oil UST installed prior to 11-4-96 is not required to have an overfill device.	NA	NA	NA	NA
7	**Drop Tube Flapper Valve** Visual observation indicated flapper valve is present, with no obstruction in the drop tube that would render the device ineffective. *	P	P	P	P
8	**Ball Float Valve / Vent Restrictor** Compatible with UST system configuration, delivery, and use. **	NA	NA	NA	NA
9	**Audible External high level alarm only** Visual and audible alarm present to the driver at the point of transfer.	NA	NA	NA	NA
Overfill device passes inspection. Question 4 is yes and 1 and 5– 9 (as applicable) are (P) **or** (PC)		**P**	**P**	**P**	**P**

Note: If the answer to any question is No (N) or (F), explain below. List any problems noted during inspection. Note corrections.

****A fill pipe that utilizes a flapper valve in the drop tube for overfill purposes and receives a pressure delivery product drop, shall have a specific flapper valve designed for that use.***
***** If a UST system has one or more of the following, the owner or operator of the system shall not use a ball float valve on that system: (1) a tank that receives a pumped delivery; (2) suction piping with air eliminator; (3) remote fill pipes and gauge openings; (4) an emergency generator tank; (5) coaxial drop fill adapter.***

Comments:

Section 7: Stage I and II Inspection

Note: Stage I and II vapor recovery inspections also include completing and submitting Section 7c. forms to MDE's Air and Radiation Management Administration.

7.a. Stage I Vapor Recovery

Applicable

#	Complete 1 & 2 Answer (P)ass, (PC), (F)ail or (NA) for 3 – 6a. for each tank	TANK #1	TANK #2	TANK #3	TANK #4
1	Is tank equipped with vapor recovery? (Yes) / (No) or (NA). (If Yes for any tank, complete 2 through 6a. and section 7c.). **Stage I required Statewide**	YES	YES	YES	NO
2	Type of vapor recovery: A – Coaxial B – 2 point system	B	B	B	NA
3	Dry break vapor cap and gasket in good condition?	P	P	P	NA
4	Poppet valve in dry break moves easily and closes tight?	P	P	P	NA
5	Vapor recovery connection equipped with minimum 5-gallon catchment basin. (If installed after July 1, 1998). (If 5 is NA complete 5a. & 5b.).	P	P	P	NA
5a.	There are no petroleum vapors or staining in soil or pea gravel around vapor recovery riser pipe.	NA	NA	NA	NA
5b.	Note all field readings if taken.	NA	NA	NA	NA
6	Catchment basin tested within the past year with passing results.	P	P	P	NA
6a.	Date of last test.	6/23/2020	6/23/2020	6/23/2020	NA
Stage I Passes Inspection. Question 1 is Y or NA and Questions 3 – 6a. are (P) **or** Stage I not applicable **or** (PC)		**P**	**P**	**P**	**P**

Comments:

7.b. Stage II Vapor Recovery

Applicable

#	Answer for each tank	TANK #1	TANK #2	TANK #3	TANK #4
1	Does the storage system have Stage II? Yes or No. (If Yes, complete the sections below and Section 7c, If No and Stage II is decommissioned complete 4 – 4.b and 7c).	NO	NO	NO	NO
2	Type of vapor recovery: Balance System -(BS) Vacuum Assist -(VA)	NA	NA	NA	NA
3	UST system equipped with pressure control system and continuously monitors tank pressures.	NA	NA	NA	NA
4	Stage II vapor recovery system decommissioned on all gasoline UST's?	YES	YES	YES	NA
4a.	MDE Notification of Intent to Decommission or Not Install Stage II System form is available?	YES	YES	YES	NA
4b.	Date of Stage II Decommission (mm/dd/yy)	9/13/2018	9/13/2018	9/13/2018	NA
Stage II Passes Inspection. Question 1 is (Y) complete 2 **or** Stage II not applicable		**P**	**P**	**P**	**P**

Comments:

Section 8: Corrosion Protection

Applicable

A buried metal tank and piping (including fittings, flex-connectors, etc.) must be isolated from soil and cathodically protected. Commercial Heating Oil UST systems installed after March 15, 1985 require corrosion protection.

	✓ Non-Metal Construction Material								
	Answer (P)ass, (PC), (F)ail or (NA) for each tank and pipe	**TANK #1**	**PIPE #2**	**TANK #2**	**PIPE #2**	**TANK #3**	**PIPE #3**	**TANK #4**	**PIPE #4**
1	**Tank:** Outer wall made of non-metallic material such as fiberglass or plastic jacket or coating.	P	NA	P	NA	P	NA	P	NA
2	**Pipe:** Outer wall made of non-metallic material such as fiberglass or flexible plastic.	NA	P	NA	P	NA	P	NA	P
Non-Metal Construction passes inspection. Questions 1 and 2 are (P) **or** (PC) **Go to Section 9**		**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**

#	**Check (√) type of corrosion protection for each tank and pipe, and answer (P)ass, (PC), (F)ail or (NA) for each tank and pipe**								
	❑ **Galvanic Cathodic Protection (Tank and Piping)**								
3	**Tank:** CP on (sti-P_3®) tested within past 3 years and passed test in accordance with NACE Code of Practice Standard. If supplemental anodes were installed or added, complete 3a.		NA		NA		NA		NA
3a.	UST CP tested annually.		NA		NA		NA		NA
4	**Pipe:** CP tested within past year and passed test in accordance with NACE Code of Practice Standard.	NA	NA	NA	NA	NA	NA	NA	NA
5	Record of last two cathodic protection tests on file with Owner or Operator.		NA		NA		NA		NA
6	Cathodic protection system failure was inspected/repaired within 60 days of test.		NA		NA		NA		NA
Galvanic Cathodic Protection passes inspection. Questions 3 – 6 are (P) **or** (PC) **or** 6 (NA)									
	✓ **Impressed Current Cathodic Protection (Tank and Piping)**								
7	Date impressed current system installed. (M/Y).								
8	Assessment performed at 5-year intervals.								
9	System has power and is turned on.								
10	Hour meter present? If (Y) complete 11.								
11	Record hours:								
12	60-day inspection log is present and properly filled out.								
13	**Tank** tested within past year and passed test in accordance with NACE Code of Practice Standard.		NA		NA		NA		NA
14	**Pipe** tested within past year and passed test in accordance with NACE Code of Practice Standard.	NA		NA		NA		NA	
15	Records available for last two Impressed Current Cathodic Protection tests.								
16	Cathodic protection system failure was inspected/repaired within 60-days of test.	NA		NA		NA		NA	
Impressed Current Cathodic Protection passes inspection. Questions 8&9 and 12–16 are (P) **or** (PC)									

Section 8: Corrosion Protection (cont'd.)

	Internally Lined Tank	Tank #___	Pipe ___	Tank #___	Pipe ___	Tank #___	Pipe ___	Tank #___	Pipe ___
17	Documentation available and tank was less than 10 years old prior to installing liner.								
18	Documentation available and internal inspection performed to determine tank is structurally sound and free of corrosion holes prior to installing impressed current cathodic protection and liner.		NA		NA		NA		NA
19	Site assessment performed before installing liner.								
20	Date liner installed (Month / Year).								
21	Date of last internal inspection. (Month / Year).								
22	Internal inspection performed within 10 years of installation and every 5 years thereafter.								
Internal Liner passes inspection. Questions 17 – 19 and 22 are (P) **or** (PC)									
Note: If the answer to any question in section 8 is (F), explain below. List any problems noted during inspection. Note corrections.									

Comments:

STOP	**IF A METALLIC TANK OR PIPE HAS NO CATHODIC PROTECTION NOTIFY MDE OIL CONTROL PROGRAM AT 410-537-3442.**	STOP

Section 9: Tightness Testing Inspection

9. Tightness Testing (Tanks and Piping)

Complete this section if tank and/or pipe used periodic tightness testing.

#	Answer (P)ass, (PC), (F)ail or (NA) for each tank and pipe	TANK #1	PIPE #1	TANK #2	PIPE #2	TANK #3	PIPE #3	TANK #4	PIPE #4
1	Test method on **NWGLDE**. Method Name: **EZY-3 Locator Plus** Method Name: **TLD-1**	P	P	P	P	P	P	P	P
2	Last tightness test results available and passed.	P	P	P	P	P	P	P	P
3	Tightness testing conducted within specified time frames: at installation, at 15 years, and every 5 years thereafter for tanks **NOT** doing inventory control; annually for pressurized piping; every 2 years for non-exempt suction piping or be monitored monthly by approved leak detection method.	P	P	P	P	P	P	P	P
4	**High Risk Groundwater Use Area** – Helium vapor test performed within past year with passing results.**	NA	NA	NA	NA	NA	NA	NA	NA
4a.	**Date of last test.**	NA	NA	NA	NA	NA	NA	NA	NA
Tightness Testing passes inspection. Questions 1 – 4 are (P) **or** (PC)		**P**	**P**	**P**	**P**	**P**	**P**	**P**	**P**

Note: If the answer to any question is (F), please explain below. List any problems noted during inspection. Note corrections.

* **www.nwglde.org (National Work Group on Leak Detection Evaluations)**

****"High Risk Groundwater Use Area" (HRGUA) means all areas served by individual wells. Existing UST systems installed prior to 1/26/05 in Baltimore, Carroll, Cecil, Frederick and Harford counties or New UST systems installed after 1/26/05 in Anne Arundel, Baltimore, Carroll, Cecil, Charles, Calvert, Frederick, Harford, Howard, Montgomery, and Prince George's counties.***

Comments:

Questions regarding Helium Testing, call MDE Oil Control Program at 410-537-3442

Section 10: House Keeping and Monitoring Pipe/Well Inspection

10.a. Facility House Keeping

#	Answer (P)ass, (PC), (F)ail or (NA)	
1	Facility is clean with no sign of spillage or open containers of oil.	P
2	ASTs (if present) are clean and properly maintained.	NA
3	Pump island area is clean with no indication of surface spillage.	P
4	Garage area (if present) is maintained with no indication of surface spillage.	NA
House Keeping passes inspection. Questions 1 – 4 are (P) **or** (PC) **or** (NA)		**P**

Note: If the answer to any questions is (F), explain below. List any problems noted during inspection. Note corrections.

Applicable

10.b. Tank Field Monitoring Pipes

#	Answer (P)ass, (PC), (F)ail or (NA)	MP-1	MP-2	MP-3	MP-4
1	Storage systems installed after March 15, 1985 have PVC monitoring pipes installed on opposing corners of the tank field.	P	P	P	P
1a.	Gasoline storage systems installed after January 26, 2005 +>2,000-gallons or multiple tanks in a shared excavation used to fuel motor vehicles located in HRGUA* have four monitoring pipes (each corner of the tank field).	NA	NA	NA	NA
2	Monitoring pipes are screened to within 2ft. of the surface and the remaining 2ft. being solid pipe and sealed to prevent entrance of surface runoff.	P	P	P	P
3	Monitoring pipe has liquid-tight cap, protected from traffic with manhole cover and locked or bolted closed.	P	P	P	P
4	Monitoring pipe cover is clearly marked "monitoring well-do not fill" or identified using API color code symbol.	P	P	P	P
5	Monitoring pipes checked for the presence of petroleum contamination and if present complete 5a.	P	P	P	P
5a.	Record product thickness if taken.	NA	NA	NA	NA
	Record field vapor reading if taken.	NA	NA	NA	NA

Site wells for Facilities located in HRGUA*		Answer (P)ass, (PC), (F)ail or (NA)				
6	Facility or immediate neighbor on either side supplied by potable well?	NO				
7	Three or more groundwater monitoring wells installed outside of tank excavation area.	NA				
8	Monitoring wells have liquid-tight cap, protected from traffic with manhole cover and locked or bolted closed.	NA				
9	Groundwater has been sampled within 180 days and sample results available?	NA				
10	Site potable well has been sampled within 180 days.	NA				
Monitoring Pipes and Site Wells Pass Inspection. Questions 1 – 5 and 7 – 10 are (P) **or** (PC) **or** (NA)		**P**	**P**	**P**	**P**	**P**

Note: If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.
"High Risk Groundwater Use Area" (HRGUA) means all areas served by individual wells. Existing UST systems installed prior to 1/26/05 in Baltimore, Carroll, Cecil, Frederick and Harford counties or New UST systems installed after 1/26/05 in Anne Arundel, Baltimore, Carroll, Cecil, Charles, Calvert, Frederick, Harford, Howard, Montgomery, and Prince George's counties.

Comments:

Section 11: Inventory Control

Applicable

For metered storage systems: complete items 1 – 10.
For non-metered storage systems: complete items 3 – 6.
For tanks using Inventory Control combined with SIR: also complete Section 12d.

#	Answer (P)ass, (PC), (F)ail or (NA) for each tank	TANK #1	TANK #2	TANK #3	TANK #4
1	Readings recorded each day of operation.	P	P	P	P
2	Inventory records are reviewed daily and reconciled monthly. Note: Seven consecutive days of shortage totaling 80-gallons or more must be reported to owner and investigated.	P	P	P	P
3	Appropriate calibration tank chart is used for calculating volume to nearest 1/8 inch.	P	P	P	P
4	Stick readings recorded before and after each delivery.	P	P	P	P
5	Gauge stick is marked so the owner is capable of determining product level to the nearest 1/8 inch and stick is in good condition and not worn.	P	P	P	P
6	Stick capable of measuring full height of tank.	P	P	P	P
7	Monthly water readings checked to the nearest 1/8 inch and used in calculating inventory balances.	P	P	P	P
8	Prior 12 months of inventory data available.	P	P	P	P
9	Inventory variations do not exceed 1% + 130 gallons of the metered quantity (sales).	PC	P	P	PC
10	Existing inventory results show no evidence of a release, and no water intrusion.	P	P	P	P
Inventory Control Passes Inspection Questions 1 – 10 are (P) **or** (PC) or not applicable		**PC**	**P**	**P**	**PC**
If using Statistical Inventory Reconciliation (SIR), also complete Section 12.d.					

Note: If answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.

Comments:

9 – TANK #1 – PC – inventory variance for 8/2020 and 11/2020 – passing release detection, no further investigation needed

9 – TANK #4 – PC – inventory variance for 1/2020 – passing release detection, no further investigation needed

Section 12: Release Detection Summary

This section indicates the method or methods of release detection present. Proceed to the section identified in the last column. Emergency power generator UST systems and heating oil (on-site consumptive use) UST systems are exempt from release detection.

Tank Method: Complete for each tank	Indicate primary (PR) method and, if applicable, secondary (S) method for each tank				If using as primary method, proceed to section:
	TANK #1	TANK #2	TANK #3	TANK #4	
Automatic Tank Gauging	PR	PR	PR	PR	12.a.
Vapor Monitoring					12.b.
Interstitial Monitoring					12.c.
Statistical Inventory Reconciliation					12.d.
Groundwater Monitoring					12.e.
Manual Tank Gauging					12.f.
None needed (Explain)					Skip section 12

Pipe Method: Complete for each pipe run	Indicate primary (PR) method and, if applicable, secondary (S) method for each pipe run				If using as primary method, proceed to section:
	PIPE #1	PIPE #2	PIPE #3	PIPE #4	
Pressurized piping only					
Automatic line leak detector (ALLD) will detect 3-gph release, double-wall pipe with containment sump and liquid sump sensor.					12.c. and 12.h.
ALLD will detect 3-gph release, double-wall pipe with containment sump and manual interstitial monitoring.					12.c. and 12.h.
Electronic ALLD will perform 3-gph continuous test plus 0.2-gph monthly test.					12.h.
Mechanical ALLD will detect 3-gph release in conjunction with annual line tightness test.	PR		PR	PR	9 and 12.h.
Other combination: (Explain in comments)					
Suction piping only					
Line tightness test every 2 years.					9
Double wall piping with containment sumps utilizing electronic or manual interstitial monitoring.					12.c.
Safe Suction.		PR			12.g.
None needed (Explain)					Skip Section 12

Comments:

Section 12: Release Detection (cont'd.)

Applicable

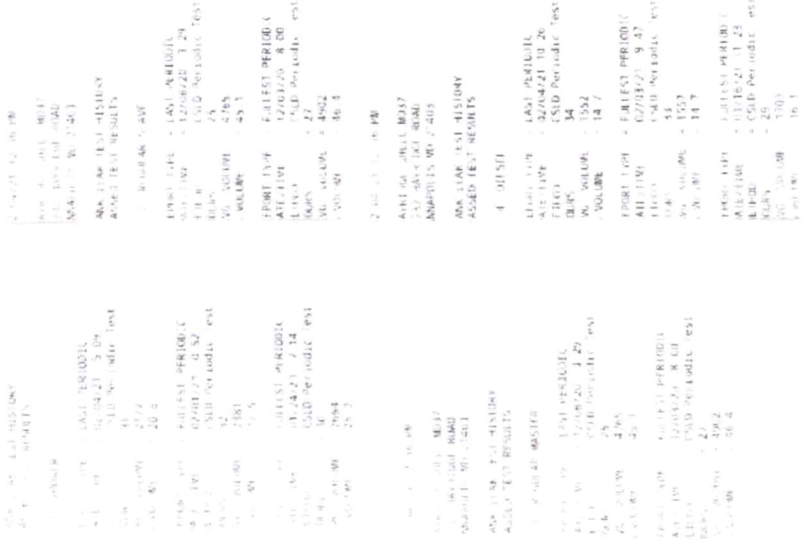
Section 12.a. Automatic Tank Gauging (Tank Only)

#	Complete 1 and 4. Answer (P)ass, (PC), or (F)ail for 2,3,5 – 10.	TANK #1	TANK #2	TANK #3	TANK #4
1	Console Make and Model Make:	Veeder-Root			
	Model:	TLS-450 PLUS			
2	Monitoring console is working.	P	P	P	P
3	Owner's manual for console and probes is available at site.	P	P	P	P
4	Frequency ATG performs test (**D**) daily, (**W**) weekly, or (**M**) monthly.	D	D	D	D
5	Device is calibrated, operated, and maintained per manufacturer's instructions in addition to limitations listed on evaluation summary NWGLDE* list.	P	P	P	P
6	System setup reviewed and system capable of verifying probe(s) are functioning and documenting results.	P	P	P	P
6a.	Attach copy of print out for the last monthly ATG tank leak test to this page.	P	P	P	P
7	Tank is filled to proper capacity and test run for proper duration of time for last 2 months per NWGLDE* list.	P	PC	PC	P
8	Verification that console and probe are third party approved and on the NWGLDE* list.	P	P	P	P
9	Monthly release detection records are available and reviewed for past 12 months.	P	PC	PC	P
10	Existing release detection results reviewed shows no failure.	P	P	P	P
ATG passes inspection. Questions 2, 3 and 5 – 10 are (P) **or** (PC)		**P**	**PC**	**PC**	**P**

Note: If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.
****www.nwglde.org (National Work Group on Leak Detection Evaluations).***

Comments:

7/9 – TANK #2 & TANK #3 – PC – increased rate warning for 01/2021, changed check valves, passing results month following



Not Applicable

Section 12.c. Interstitial Monitoring (Tank and Piping)

#	Complete 1 and 3 for Electronic and Answer (P)ass, (PC), (F)ail or (NA) 2&4–10 for each Tank and Pipe				
1	Type of interstitial monitoring: i.e. Liquid (L), Air Space (AS), or Pressure/vacuum (PV). List each if different.				
Manual /Visual Inspection Only					
2	Interstitial space is monitored and a written log is maintained monthly.				
Electronic System Only					
3	Console make/ model Make:				
	Model:				
4	Console and sensor on NWGLDE* list				
5	Monitoring console is operational.				
6	Interstitial space monitored monthly. **				
7	Device is calibrated, operated, and maintained per manufacturer's instructions in addition to limitations listed on evaluation summary NWGLDE* list.				
Summary					
8	Monthly release detection records are available for prior 12 months with passing results.				
9	No evidence of liquid in sump or interstitial space of air filled system. No evidence of loss or gain of brine in brine filled system. Operation of partial vacuum or over pressure system is within manufacturer's design specifications.				
10	No visible leaks or holes in secondary containment.				
Interstitial Monitoring passes inspection. Questions 2 and 8 – 10 are (P) **for Manual** Questions 4 – 10 are (P) **or** (PC) **for Electronic**					

Note: If the answer to any question is (F), please explain below. List any problems noted during inspection. Note corrections.
Monitor interstitial space at lowest point of secondary containment for air filled or at highest point of secondary containment for brine filled and is positioned so that other equipment will not interfere with its proper operation. ***See manufacture specifications and NWGLDE listing limitations for continual partial vacuum or overpressure interstitial monitoring.*

**www.nwglde.org (National Work Group on Leak Detection Evaluations).*

Comments:

Not Applicable

Section 12.d. Statistical Inventory Reconciliation

Complete this section and Section 11 (Inventory Control) if you use Statistical Inventory Reconciliation (SIR).

	Answer (P)ass, (PC), (F)ail for each tank system.	Tank #__	Pipe #___	Tank #___	Pipe #___	Tank # ___	Pipe #___	Tank # ___	Pipe #___
1	SIR method on NWGLDE* list. Method Name:		NA		NA		NA		NA
2	Inventory records are submitted to the SIR vendor within 5 days of the 30 day monitoring period.		NA		NA		NA		NA
2a	SIR results are received by owner from vendor within 15 days of submittal of data.		NA		NA		NA		NA
3	SIR results indicate sufficient amount of data was used to perform leak check.		NA		NA		NA		NA
4	Existing release detection results show no evidence of a failure for the previous 12 months.		NA		NA		NA		NA
	Statistical Inventory Reconciliation (SIR) Passes Inspection. Questions 1 – 4 are all (P) **or** (PC).		NA		NA		NA		NA

Note: If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.

**www.nwglde.org (National Work Group on Leak Detection Evaluations)*

Comments:

Not Applicable

Section 12.e. Groundwater Monitoring

#	Answer (P)ass, (PC), (F)ail for each tank system	Tank #___	Pipe #___	Tank #___	Pipe #___	Tank #___	Pipe #___	Tank #___	Pipe #___
1	Groundwater at site is not more than 15 feet from ground surface during inspection.								
2	Slotted casing is properly screened across the water table to allow entry of product.								
3	Monitoring wells intercept the UST excavation zone or positioned as close as technically feasible.								
4	Regulated substance is immiscible in water and has a specific gravity of less than one.								
5	Site evaluation report on site and verifies above information and background contamination will not interfere with groundwater monitoring. **Attach evaluation cover page.**								
6	Monitoring device is capable of detecting 1/8 inch of free product and wells are monitored monthly with results recorded.								
	Groundwater Monitoring passes inspection. Questions 1 – 6 are all (P) **or** (PC)								

Note: If the answer to any question is (F), please explain below. List any problems noted during inspection. Note corrections.

Comments:

Section 12: Release Detection (cont'd.)

Not Applicable

Section 12.f. Manual Tank Gauging (Tank Only)

#	Answer 1–5 (P)ass, (PC), (F)ail or (NA) for each Tank				
1	Tank is 550-gallons or less.				
2	Tank is 551 to 2,000-gallons. **Note**: Must be combined with tightness testing.				
3	Gauging stick is capable of measuring the full height of the tank to the nearest 1/8" in conjunction with the appropriate tank calibration chart on site.				
4	Monthly log is maintained. *				
5	Last 12 months of records show no failure.				
Manual Tank Gauging passes inspection. Questions 1 or 2 and 3–5 are (P) **or** (PC)					

Note: If the answer to any question is (F), explain below. List any problems noted during inspection. Note corrections.
**** See Inspector guidance book or COMAR 26.10.05.04C. for weekly and monthly variation standard.***
Comments:_

Not Applicable

Section 12.g. Safe Suction (Suction Piping Only)

#	Answer (P)ass, (F)ail, or (PC) for each pipe	PIPE #2			
1	The piping slope is back to the tank and operates under atmospheric pressure or less.	P			
2	Confirm a single check valve is located directly under the dispensing pump.	NA			
Safe Suction passes inspection. Questions 1 and 2 are (P) **or** (PC)		**P**			

Note: If the answer for 1or 2 is (F), another type of release detection must be used and inspected. Fill out the applicable section on piping release detection. List any problems noted during inspection. Note corrections.
Comments:_

Applicable

Section 12.h. Automatic Line Leak Detectors (Pressurized Piping Only)

#	Complete 1 Answer questions 2 – 7 (P)ass, (F)ail or (PC)	PIPE #1	PIPE #3	PIPE #4
1	Mechanical or Electronic (**M** - Mechanical or **E** - Electronic)	M	M	M
2	Is the equipment on the NWGLDE* list.	P	P	P
3	All ALLDs pass an annual field operability test for detection of a 3.0-gph leak.	P	P	P
4	Device is calibrated, operated, and maintained per manufacturer's instructions in addition to limitations listed on evaluation summary NWGLDE* list.	P	P	P
5	Line Leak Detector shows no evidence of a visual release.	P	P	P
6	Is the entire piping system covered by the ALLD (including satellite pipe if present)?	P	P	P
7	For an electronic ALLD, last record of passing 3.0-gph test result for each pipe is within the previous 72 hours.	NA	NA	NA
8	Does the STP shut off when the dispensers are not pumping.	P	P	P
ALLD Passes Inspection. Questions 2 – 8 are (P) **or** (PC)		**P**	**P**	**P**

Note: If the answer to any question is (F), please explain below. List any problems noted during inspection. Note corrections
****www.nwglde.org (National Work Group on Leak Detection Evaluations)***
COMMENTS:

Section 13 Suspected Release

Answer (Y)es or (N)o for 1 and if yes answer 2

1	Do you suspect or have you detected a release during this inspection?	NO		
2	Did you report this suspected or detected release to the Department?	NA	DATE:	TIME:



Report all known or suspected spills or leaks
Call Maryland Department of the Environment 410-537-3442
Or call: 1-866-633-4686 after business hours



GENERAL COMMENTS:

Inspector's Initials CRO
Date 2/4/2021

Owner/Operator's Initials MA
Date 2/4/2021

Section 14 Operator Training

Answer Yes or No for 1, 2 and 5; complete 3; answer Yes, No, or NA for 4

1	A list of Class A, B, and C operators is available and reviewed?	YES		
2	A training certificate is available and reviewed for each Class A, B, and C operator(s).	YES		
3	List the name of the A and B operator(s) designated for this facility.		**Operator Name**	**Date Certified**
		A	Ehtsham Zia	5/1/2012
		B		
4	Manned facility – Class C operator is on-site. Unmanned facility – Class C operator was contacted for immediate consultation.	YES	Name: Abdullah Taufig	2/4/2021
5	Written operator instruction manual available on site?	YES		
Operator Training Passes Inspection. Questions 1, 2, 4, 5 are Yes and 3 completed with at least one A and B.		**P**		

GENERAL COMMENTS:

Please return original report no later than thirty (30) days after inspection date.	**MDE Oil Control Program** Suite 620 1800 Washington Blvd. Baltimore, MD 21230-1719

Questions? Call MDE Oil Control Program at 410-537-3442
Internet: http://www.mde.state.md.us/Programs/LandPrograms/Oil_Control/home/index.asp.

Appendix Q:

Quiet Waters Exxon Station Supporting Documentation

SUPERVISOR CLOSURE REVIEW

Case No. 2005-0699 AA | Date: 4/4/05

Release detected? No ☐ Yes ☑

Comment: LEAKING NOZZLE

	FEDERAL (UST *Motor/Lube*/Bulk)	Code	STATE (UST *Heating Oil*/All AST)	Code	
	Color Coding	C3	Aboveground Tank Leak	A5a/A5b	
	Compliance Inspections	C11	Dumping	A4/A4e	
	Ground Seep Investigation	B6	Open Water	A1/A1a,b,e	
	Inventory	C5	Permit Inspections	A6	
	New Installation	C1	New Installation	C2a/C2b	
	Overfill Protection	C10	Transfer Accident	A3/A3a,b,e	
	Registration	C4	Registration	C4a/C4b	
	Release Detection	C9	Vehicle Accident	A2/A2e	
	Retrofit/Repair	C7	Retrofit/Repair	C8a/C8b	
	Soil Contamination	B7	Soil Contamination	B7a/B7b	
X	Surface Spill Originating from UST	B11	Surface Spill Originating from UST	B11a/B11b	
	Tank Removal/Abandonment	B8	Tank Removal/Abandonment	B9a/B9b	
	Tank Test Failure	B1	Tank Test Failure	B2a/B2b	
	Tank Truck Driver Attendance	C6	Tank Truck Driver Attendance	C6a/C6b	
	Vapor Problem	B5	Vapor Problem	B5a/B5b	
	Well/Groundwater Contamination	B3	Well/Groundwater Contamination	B4a/B4b	
	Other	B10	Other	B10a/B10b	
			Unknown Source/Surface Spill	A7	
			Unknown Source/Surface Spill-E	A7e	
			Other	A8	
			Other – Emergency	A8e	

a = Residential Heating Oil b – Commercial Heating Oil e = Emergency

Agree to close? Yes ☑ No ☐ **Cleanup initiated?** Yes ☑ No ☐

___ Residual petroleum contamination may remain on site. However, based on available data, it appears this contamination poses no threat to human health or the environment.

☑ Inspector's findings complete
☐ Site poses no risk
☐ Other

Reference/Support: _____

Signature: Michael T. Flynn Date: 4/4/05

Revised 05/2003

Revised 9/26/01 Registration No. _____

LEAK SUMMARY & TANK CLOSURE

Case No.: 05-0699AA Date Opened: 12-6-04 Date Closed: 1-24-05

Type of Case:

A.	Pull	___	E.	Compliance Check	___
B.	Installation	___	F.	Tank Test Failure	___
C.	Surface	✓	G.	Abandonment-in-Place	___
D.	Leak Investigation	___	H.	Other	___

Spill Affected:

A.	Groundwater	___	F.	Sanitary Line	___
B.	Domestic Wells	___	G.	Utility Work or Lines	___
C.	Surface Waters	___	H.	Reached Adjoining Property	___
D.	A Building	___	I.	None/Other (Specify)	✓ Blacktop
E.	Storm Drain	___	J.	Soils	___

Owner of System:

A.	Major Oil Company	✓	F.	Private Residence	___
B.	Local Oil Company	___	G.	Apartment	___
C.	Private Owner/ Service Station	___	H.	School	___
			I.	Commercial Business	___
D.	Government Facility	___	J.	Other (Specify)	___
E.	Marina	___			

Observation wells installed? ___Yes ✓No No. of Wells_____

Domestic or supply well on site? ___Yes ✓No Impacted? ___Yes ___No ___Unknown

Has UST registration been amended? ___Yes ___No

If under "Type of Case" Item B, C, or E is checked, do not fill in chart below.

	Tank Capacity	Tank Type	Line Type	Age	Product	Tank Status	Leak Found
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							

___ Residual petroleum contamination may remain on site. However, based on available data, it appears this contamination poses no threat to human health or the environment.

___ **Release?** YES✓ NO___ **Cleanup Initiated?** YES✓ NO___ DAF Code: A3 B11

Reviewed by: _____ Date: _____

See Summary Codes on Reverse Side)

CODES FOR USE ON REVERSE SIDE

TYPE:

A)	Steel	D)	Other
B)	Fiberglass	E)	Clad Steel
C)	Cathodically-Protected Steel	F)	Copper

AGE:

A)	1-5 years	D)	16-20 years
B)	6-10 years	E)	Over 20 years
C)	11-15 years		

PRODUCT:

A)	Gasoline	G)	Jet Fuel
B)	#2 Oil	H)	Waste Oil
C)	Kerosene	I)	Asphalt
D)	#4 Oil	J)	Other
E)	#5 Oil	K)	Diesel
F)	#6 Oil		

LEAK FOUND IN:

A)	Tank	F)	Fill Pipe
B)	Supply Line	G)	Air Pocket
C)	Return Line	H)	None
D)	Vent Line	I)	Other
E)	Fittings	J)	Flex Connector

STATUS:

A)	In Service
B)	Removed
C)	Abandoned-In-Place

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard, **Suite 620** • Baltimore Maryland 21230-**1719**
(410) 537-3442 • 1-800-633-6101 • http:// www. mde. state. md. us

WASTE MANAGEMENT ADMINISTRATION
Oil Control Program
Report of Observations

24hr Spill reporting 1-866-633 4686

Case # 05-0699 AA

Type of Inspection/Observations: _____ Date: 12-6-04

Site/Facility Name: Crown Station MD-037 Facility ID # _____

Location: 2232 Bayridge Ave 21403 Page # 1 of 1

Remarks: Annapolis

I arrived at the above-mentioned site and met with Mr Bland (station mngr). A customer complained about pump # 4 not shutting off. I did notice a large stain running down hill of the dispensers. The gasoline did not reach the storm-drain. I observed several customers filling their vehicles and the automatic shut-off function of the nozzle worked properly.

Requirements
1. Keep area clean from spills
2. Report spills within 2 hrs.

Observer: Frederick A. Mott Person Interviewed: Mr Bland 1511 12 hrs

Form Number MDE/WAS/Com.031
TTY Users 1-800-735-2258

Recycled Paper

WATER MANAGEMENT ADMINISTRATION
OIL POLLUTION AND TANK MANAGEMENT
INITIAL REPORT OF INCIDENT

4352

CASE NO: _____ FACILITY ID: _____

CALLER

1. Name of personnel taking report: N K Nunn
2. Date of report: 11-22-04 3. Time of report: 140pm.
4. Name of caller: Tim Fantone 5. Telephone #: 410-263-7636
6. What agency or company is caller with: Customer

DETAILS OF SPILL

7. Above or below ground tank? 8. Date of incident 6wks ago & today 9. Time of incident: 12?pm.
10. Has product been released? YES ✓ NO _____ 11. Amount released: Unk.
12. Tank test failure? YES _____ NO ✓ 13. Tank failure rate: _____
14. Precise location of the release or incident: Crown Station MD-037
3232 Bayridge Ave
Annapolis County: AA2
15. Nearest crossroad or other identifying mark: Forest Dr.
16. Type of product involved: _____ 17. Quantity on board: _____ 18. Age of tank system: _____
19. Details of release: Pump #4 overflowed onto ground 6wks ago & today. Told attendant who didn't care. Shutoff doesn't work.
20. Has product entered water? YES _____ NO _____ 21. Name of waterway: _____

22. Responsible party's name: Crown 23. Phone 410-269-6129
24. Responsible party's address: _____
25. Has responsible party taken any action to control the problem? YES _____ NO _____
26. If yes, what: _____

ACTION TAKEN

LEAD: Oil Control Program [✓] Emergency Response [ ] No Action Taken [ ] Other [ ]

_____ INSPECTOR ASSIGNED CASE: FM

_____ TRANSFERRED CALL TO: _____ TIME: _____

_____ DISPATCHED: _____ DATE: _____

_____ NO RESPONSE; Explain why: _____

_____ OTHER: _____ INITIALS: _____

OCP - White Copy ERD - Yellow Copy OCP DataBase - Pink Copy

One Cambridge Place, 50 Hampshire Street
Cambridge, Massachusetts 02139
tel: +1 617 452-6000
fax: +1 617 452-8000

RECEIVED
OCT 26 2009
OIL CONTROL PROGRAM

October 23, 2009

Mr. Herbert Meade
Maryland Department of the Environment
Oil Control Program
1800 Washington Boulevard
Baltimore, Maryland 21230-1719

Subject: Phase II Environmental Site Assessment Report
ExxonMobil Station # 2-7235
1000 Forest Drive
Annapolis, Anne Arundel County, Maryland

Dear Mr. Meade:

Camp Dresser & McKee Inc. (CDM) on behalf of ExxonMobil Environmental Services Company, on behalf of ExxonMobil Corporation (ExxonMobil) is submitting this Phase II Environmental Site Assessment Report for ExxonMobil Station #2-7235 located at 1000 Forest Drive in Annapolis, Anne Arundel County, Maryland. This Phase II ESA was completed as part of Due Diligence activities by ExxonMobil.

Existing/Historical Environmental Cases

The Property has had four historic leaking underground storage tank (LUST) cases, all of which are reported as having been closed. These include LUST cases 92-1414AA/92-1414AA2, opened on December 31, 1991, due to a release of an unknown quantity motor/lube oil associated with a tank closure and closed on October 6, 1999; LUST case 8-0745AA2, opened on November 3, 1987, due to an unknown cause and closed on June 25, 1991; and, LUST case 5-5113AA, opened on April 11, 1989, due to an unknown cause and closed on February 26, 1990.

Currently, there are no open environmental cases at the site.

Summary of Phase II Environmental Site Assessment

CDM, on behalf of ExxonMobil, initiated field activities as outlined in the ExxonMobil approved Scope of Work (SOW) at the above-referenced Station on July 10, 2009, which included the installation of soil borings and monitoring wells for the purpose of collecting soil and groundwater samples.

The analytical testing of soil and groundwater samples indicated the presence of petroleum constituents. Refer to Section 5.0 of the Phase II Environmental Site Assessment Report for a summary of analytical results.

If you have any questions or concerns regarding this site, please feel free to contact the undersigned at (617) 452-6274.

Very truly yours,

William R. Swanson, BCEE
Vice President
Camp Dresser & McKee Inc.

Enclosure

cc: Melissa Tacchino, ExxonMobil Environmental Services (w/o Enclosure)

Phase II Environmental Site Assessment Report

ExxonMobil Station #2-7235
1000 Forest Drive
Annapolis, Maryland 21403

Prepared for:

ExxonMobil Environmental Services Company
3225 Gallows Road
Fairfax, VA 22037

Prepared by:

Camp Dresser & McKee Inc.
50 Hampshire Street
Cambridge, MA 02139

October 2009

Debra F. Beck
Project Manager

William R. Swanson, BCEE
Vice President

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Attachment D – Groundwater Laboratory Analytical Report

1.0 INTRODUCTION

ExxonMobil Environmental Services Company on behalf of ExxonMobil Corporation (ExxonMobil) retained Camp Dresser & McKee Inc. (CDM) to complete a Phase II Environmental Site Assessment (Phase II ESA) of ExxonMobil Station #2-7235 located at 1000 Forest Drive, in Annapolis Maryland (the Property). The Property is referenced as ExxonMobil Station #2-7235, and consists of an active retail petroleum filling station with a convenience store and automated carwash.

The purpose of the Phase II ESA was to evaluate the Recognized Environmental Conditions (RECs) previously identified in the December 2008 *Phase I Environmental Site Assessment* (Phase I ESA) prepared by Kleinfelder East, Inc.

The December 2008 Phase I ESA identified the following RECs for the Property:

- REC-1: Underground Storage Tanks (USTs), Product Piping, and Dispensers
- REC-2: Automated Carwash
- REC-3: Former USTs
- REC-4: Groundwater Impact on the Northeast and Southeast Boundaries of the Property by Potential Environmental Concerns (PECs)

Further information on each REC is contained in the Phase I ESA report. Based on the identification of the above-referenced RECs, the following scope of work (SOW) was developed and approved:

- REC-1: Advance five (5) soil borings and install five (5) monitoring wells (MW-1 through MW-5).
    - Soil analysis: EPA 8260C with methyl tert-butyl ether (MTBE) and EPA 8015 (gasoline range organics [GRO])
    - Groundwater analysis: EPA 8260C with MTBE and EPA 8015 (GRO)
- REC-2: Advance one (1) soil boring and install one (1) monitoring well (MW-6).
    - Soil analysis: EPA 8260C with MTBE, EPA 8015 (GRO, oil range organics [ORO] and diesel range organics [DRO]), Toxicity Characteristic Leaching Procedure (TCLP) Metals, and Resource Conservation and Recovery Act (RCRA) 8 Metals
    - Groundwater analysis: EPA 8260C with MTBE and EPA 8015 (GRO, ORO and DRO), RCRA 8 Metals
- REC-3: Conduct additional paper search and a ground penetrating radar (GPR) survey of the site in an attempt to determine the location of the former UST system. Pending the results, evaluate if additional assessment is required.
    - Soil analysis: EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO)

- Groundwater analysis: EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO)

- REC-4: No additional investigation proposed. This REC will be assessed in conjunction with REC-1 (MW-1 to MW-3).
  - Soil analysis: EPA 8260C with MTBE, EPA 8015 (GRO, ORO, and DRO), TCLP Metals, RCRA 8 Metals, and Solvents
  - Groundwater analysis: EPA 8260C with MTBE,EPA 8015 (GRO, ORO and DRO), RCRA 8 Metals, and Solvents

- Background Well: Use proposed well MW-4. Pending the determination of the groundwater flow direction at the site, additional wells may need to be installed.
  - Soil analysis: EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), TCLP Metals, RCRA 8 Metals
  - Groundwater analysis: EPA 8260C with MTBE,EPA 8015 (GRO, ORO and DRO), and RCRA 8 Metals

Subject to the limitations listed in section 6.0, the objectives of this evaluation were:

1) To provide sufficient information regarding the nature and extent of contamination to assist in making informed business decisions about the property, and

2) To provide the level of knowledge necessary to satisfy the innocent purchaser defense under Comprehensive Environmental Response Compensation and Liability Act (CERCLA).

Unless otherwise noted, the Phase II ESA was prepared in accordance with ASTM E 1903-97, *Standard Guide for Environmental Site Assessments: Phase II Environmental Site Assessment Process*. This Phase II ESA documents the results of the implementation of the approved SOW.

2.0 BACKGROUND

2.1 Site Description and Features

The Property is located at 1000 Forest Road in Annapolis, Maryland. **Figure 1** shows the approximate location of the Property on the United States Geological Survey (USGS) topographic quadrangle map for Annapolis, Maryland. The approximate geographical coordinates for the Property are 38 degrees, 57 minutes, 0 seconds North (Latitude) by 76 degrees, 29 minutes, 36 seconds West (Longitude). The approximate ground surface elevation is 70 feet above mean sea level (AMSL).

The 1-acre property is currently used as an active petroleum filling station with a convenience store that also operates an automated drive-through carwash. There are six (6) dispenser islands with six (6) double-sided dispensers on the Property. The solid waste dumpster is located in the trash enclosure located on the southwestern portion of the Property, between the store and the carwash. The UST field contains three (3) 12,000-gallon gasoline USTs and is located on the eastern portion of the Property. Two (2) tank field observation wells provide monitoring points at the northwest and

southeast portions of the tank field. **Figure 2** shows a Site Map with the approximate locations of the existing site features at the time of the Phase I ESA site reconnaissance.

The Property is located in an area containing commercial businesses as well as residential housing. Zoning information was not provided in the Phase I ESA report. **Figure 3** shows a Local Area Map depicting the quarter-mile area surrounding the Property, based on field information collected from the Phase I ESA site reconnaissance and property research. No current active public water supply wells were identified on the Property or on the adjoining properties. No non-potable irrigation wells were identified on the Property or on nearby properties. Eighteen (18) private potable water wells were identified on nearby properties; further information is contained in the Phase I ESA report.

2.2 Physical Setting

According to the Maryland Geologic Survey the Annapolis Property lies in the physiographic region known as the Western Shore Upland Region of the Coastal Plain Province. The area is characterized as a coastal plain area. Additionally, the unconsolidated sediments generally consist of Quaternary Lowland Deposits which are characterized by gravel, sand, silt, and clay. Medium- to coarse-grained sand and gravel; cobbles and boulders near base; commonly contains reworked Eocene glauconite; varicolored silts and clays; brown to dark gray lignitic silty clay; contains estuarine to marine fauna in some areas with a thickness of 0 feet to 150 feet.

No historical subsurface investigations were referenced in the Phase I ESA. Therefore, information related to subsurface conditions was not able to be obtained from this document. However, based on field observations during the Phase II ESA, the soils encountered underlying the site consisted of predominantly coarse to fine grained sand with some silt and clay. Soil borings were advanced to a maximum depth of 70 feet below ground surface at the site and conditions at this depth were described as weathered bedrock. Competent bedrock was not encountered during drilling activities.

Based on review of the topographic mapping and on the available background information in the Phase I ESA, the local groundwater flow was anticipated to be to the southeast. Actual geologic and hydrogeologic conditions observed during the Phase II ESA field activities indicated apparent groundwater flow to be to the northeast. Groundwater elevations observed during the September 14, 2009 groundwater sampling event, can be found in **Table 2.** **Figure 4** provides a groundwater monitoring map, which includes contour lines used to calculate an approximate hydraulic gradient of 0.06 feet per foot.

2.3 Adjacent Property Land Use

The immediately adjoining properties are summarized as follows:

- The Property is bordered to the north by Forest Street, and beyond that a Texaco filling Station.
- The Property is bordered to the south by multiple retail businesses that include a dry cleaning business and multiple food stores.
- The Property is bordered to the east by Hillsmere Drive, and beyond that a parking lot and a BB&T Bank.
- The Property is bordered to the west by an undeveloped wooded area.

2.4 Existing/Former Environmental Cases

The Property has had four historic leaking UST (LUST) cases, all of which are reported as having been closed. These include LUST cases 92-1414AA/92-1414AA2, opened on December 31, 1991, due to a release of an unknown quantity motor/lube oil associated with a tank closure and closed on October 6, 1999; LUST case 8-0745AA2, opened on November 3, 1987 due to an unknown cause and closed on June 25, 1991; and, LUST case 5-5113AA, opened on April 11, 1989, due to an unknown cause and closed on February 26, 1990.

There are no currently open environmental cases at the site.

3.0 PHASE II ACTIVITIES

All fieldwork was conducted based on the ExxonMobil approved Phase II Scope of Work (**Attachment A).**

3.1 Field Explorations and Methods

Beginning on July 10, 2009, CDM oversaw the ground penetrating radar (GPR) and precision utility location (PUL) survey of the entire site and the installation of six (6) soil borings and monitoring wells at the Property. The GPR/PUL survey was conducted in order to identify the location of underground utilities and obstructions that could be present in the vicinity of the proposed boring locations, and to identify any anomalies in the subsurface that may indicate the presence of any unknown USTs. The locations and depths of the soil borings / monitoring wells were in accordance with the approved SOW, with the following approved modification:

- Based on the presence of subsurface electrical line and overhead lighting fixture, the location of monitoring well MW-2 was moved approximately 3.5 feet to the west.

- Based on the presence of subsurface utilities, the location of monitoring well MW-3 was moved approximately 14.5 feet to the south.

- Based on the presence of subsurface electrical lines, the location of monitoring well MW-6 was moved approximately 12.5 feet to the north.

- Based upon review of the prescribed sample analytical parameters provided in the Phase II SOW and as requested/approved by ExxonMobil, adjustments/corrections to the prescribed analytical parameters were implemented, where required/possible, to align the sampling schedule with Maryland Department of the Environment (MDE) analytical guidance for such investigations.

As a result, a total of six (6) monitoring wells were installed (MW-1 through MW-6).

Prior to the initiation of subsurface investigation activities, each proposed boring / well location was cleared in accordance with the requirements of the approved Subsurface Investigation Protocol. Based on the results of the site reconnaissance, private utility location activities, and the use of GPR/PUL, the locations of the identified overhead and underground utilities were identified. Once final field locations were established, each of the proposed boring / well locations was then air-knifed to either five or eight feet below ground surface.

Under the oversight of CDM, the soil borings were installed to their terminal depths, with continuous collection of soil samples. Soil samples were screened for total organic vapors (TOVs) utilizing a photoionization detector (PID), calibrated to an isobutylene standard. A minimum of one soil sample from each soil boring was submitted for laboratory analysis based on the highest PID reading and/or the observed depth to water. Soil samples were placed in laboratory-provided glassware, packed on ice in shipping containers, and submitted under proper chain-of-custody to the analytical laboratory.

At each of the soil boring locations, permanent groundwater monitoring wells were installed using 2-inch diameter slotted Schedule 40 polyvinyl chloride (PVC) screen and solid PVC riser to grade. The annular space between the well screen and the borehole wall was backfilled with clean, well-rounded, silica sand, and topped with a hydrated bentonite seal. The remaining annular space was backfilled with grout and the monitoring well was completed with a metal flush-mount protective cover within a concrete pad. Well construction information was recorded by the supervising field geologist and was used to generate the soil boring logs/well construction diagrams included in **Attachment B**.

Between each boring / monitoring well location, non-disposable drilling equipment and hand tools were decontaminated with a high-pressure water rinse. Each monitoring well was subsequently developed with a submersible pump to promote effective hydraulic connection with the surrounding formation. Development efforts continued until the discharge was relatively clear and turbid free. Decontamination and development fluids were handled in accordance with state and local regulations.

Specific details related to the drilling and monitoring well installation activities at the Property are listed below.

Date Performed	July 23 through August 21, 2009
Well ID	MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6
Driller	Eichelbergers Drilling Company of Mechanicsburg, PA
Drilling Method Utilized	Hollow Stem Auger
Completion Depths	MW-1: 60 feet MW-2: 70 feet MW-3: 22 feet MW-4: 20 feet MW-5: 20 feet MW-6: 20 feet
Screened Interval	MW-1: 45-55 feet MW-2: 60-70 feet MW-3: 12-22 feet MW-4: 10-20 feet MW-5: 10-20 feet MW-6: 10-20 feet
Material Utilized	2-inch diameter 0.010 machine-slotted Schedule-40 PVC well screen with a flush threaded 2-inch diameter solid PVC casing
Annular Space	#1 sand to two feet above the well screen Bentonite seal to two feet above the sand Grout to grade
Soil Sample Intervals	MW-1: 52-54 feet MW-2: 44-46 feet MW-3: 6-6.5 feet and 14-16 feet MW-4: 5-7 feet MW-5: 7-9 feet MW-6: 7 feet
Soil Analyses Conducted	Target List of VOCs via USEPA Method 8260B Standard List of VOCs including MTBE via USEPA Method 8260B GRO as Gasoline via USEPA Method 8015B DRO as Diesel via USEPA Method 8015B RCRA 8 Metals via USEPA Methods 6010B and 7470A/7471 Polycyclic Aromatic Hydrocarbons via USEPA Method 8270C Total Petroleum Hydrocarbons – Oil Range via USEPA Method 8015B

3.2 Well Elevation and Survey Procedures

Upon completion of the monitoring wells, each location was field-surveyed to determine relative top of casing (TOC) elevations using a relative site elevation of 100 feet. Lateral locations of the monitoring wells were field-measured and the resulting estimated locations are shown on **Figure 4**; the locations are approximate.

3.3 Groundwater Sampling and Analysis Procedures

Prior to the collection of groundwater samples, each of the recently-installed groundwater monitoring wells at the Property was gauged with an oil-water interface probe to determine the water level and check for the presence of Liquid Phase Hydrocarbons (LPH). Depth to groundwater and depth to product were measured from the TOC. The resulting data was then used to calculate the groundwater elevation, hydraulic gradient and groundwater flow direction for the property, as documented on the Groundwater Monitoring Map included as **Figure 4.** The measured depths and calculated elevations are shown in **Table 2**.

On September 14, 2009, field sampling personnel collected representative groundwater samples from the recently-installed monitoring wells. A minimum of three (3) well volumes were purged from each monitoring well prior to the collection of groundwater samples. Purging was conducted using a peristaltic or a Grundfos pump with disposable polyethylene tubing and sample collection was accomplished using disposable polyethylene bailers. Aqueous samples were placed in laboratory-provided glassware, packed on ice in shipping containers, and submitted under proper chain-of-custody to the analytical laboratory.

Equipment used for groundwater sampling consisted of new, disposable materials, or was properly decontaminated between sample locations. Sampling personnel exchanged nitrile sampling gloves between each sample location to minimize the potential for sample cross-contamination. Investigative-derived waste (IDW) such as disposable polyethylene tubing and used nitrile gloves was properly handled as non-hazardous solid waste for disposal.

Date Performed	**September 14, 2009**
Wells Gauged/ Sampled	MW-1, MW-2, MW-3, MW-4, MW-5, and MW-6
Wells Gauged Only	TW-NW and TW-SE
Liquid Phase Hydrocarbon	0.01 feet detected in MW-4 and MW-5*
Minimum / Maximum Depth to Water	9.0 feet/51.26 feet
Hydraulic Gradient	0.06 feet/foot (MW-6 to MW-3)
Groundwater Flow Direction	North/northeast
Hydrocarbon Dist./Groundwater Contour Map	**Figure 4**
Aqueous Analyses Conducted	Target List of VOCs via USEPA Method 8260B GRO as Gasoline via USEPA Method 8015B DRO as Diesel via USEPA Method 8015B RCRA 8 Metals via USEPA Methods 6010B and 7470A/7471

*A positive tone on oil/water interface probe was noted during the initial gauging event of the monitoring well. However, upon visual inspection of water recovered from the monitoring well to confirm absence/presence of LPH, no indication of LPH was observed or recorded. Focused re-testing of the subject wells did not detect any evidence of floating product. On the basis of the groundwater analytical data and the follow-up gauging event results, the initial probe results are considered false positives. The data is provided in the Groundwater Monitoring and Analytical Data table for reference purposes.

3.4 Tank Field Observation Wells

On September 14, 2009, two (2) tank field observation wells (TW-NW and TW-SE) were gauged with an oil-water interface probe to determine the water level and check for the presence of LPH. No LPH was detected in the tank field observation well TW-SE. The total depth of tank field observation well TW-SE was 12.97 feet, which is the depth at which groundwater was encountered. A positive tone on the oil/water interface probe was noted at TW-NW during gauging activities potentially indicating a thickness of 0.01 feet. However this measurement was not visually confirmed and due to the limited nature of the recorded thickness, may be a false positive. The total depth of tank field observation wells TW-SE and TW-NW were 12.97 feet and 16.31 feet, respectively. Groundwater was encountered in wells TW-SE and TW-NW at 1297 feet and 15.52 feet, respectively.

4.0 EVALUATION AND PRESENTATION OF RESULTS

4.1 Soil Sampling Results

Soil analytical results for the collected samples are summarized in **Table 1**, along with the soil sample location and depth. The Laboratory Analytical Report and the corresponding chain-of-custody are included in **Attachment C**.

For data related to the soil sample collected from MW-3 (6-6.5'):

- The metals matrix spike/matrix spike duplicate (MS/MSD) were analyzed on a sample from another delivery group with recoveries and/or relative percent differences (RPDs) that were outside quality control (QC) limits for arsenic, cadmium, lead, selenium and silver. The blank spike (laboratory control sample [LCS]) recovery was within QC limits; therefore the data was accepted without further analysis.

- The mercury MS/MSD were analyzed on a sample from another delivery group with RPDs that were outside QC limits. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.

- The semi-volatile PAH MS/MSD were analyzed on sample NSH2141-02 (MW-3(6-6.5)) with recoveries and RPDs that were outside QC limits for naphthalene. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.

- The volatile surrogate, toluene-8, recovery in the MSD sample was outside QC limits due to sample matrix.

For data related to the soil sample collected from MW-3 (14-16'):

- The volatiles method blank for batch 9084117 was positive above the reporting limits for toluene. The associated samples were either non-detect at the reporting limits or the result was greater than 10 times the amount in the blank; therefore the data was accepted without further analysis.

For data related to the soil sample collected from MW-6 (7'):

- The metals MS/MSD were analyzed from a sample from another delivery group with recoveries that were outside QC limits for lead. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.

There were no reported laboratory quality assurance/quality control issues for soil samples from MW-1, MW-2, MW-4, or MW-5.

Based on CDM's review of the assertions by the laboratory in terms of their performance in regard to the data quality, the data is of adequate quality to support the conclusions of this Phase II ESA.

4.2 Groundwater Sampling Results

Groundwater analytical results from the collected samples are summarized in **Table 2**. The Laboratory Analytical Report and the corresponding chain-of-custody are included in **Attachment D**.

For data related to the groundwater sample collected from monitoring well MW-3:

- The volatile surrogate recoveries in sample NSI1247 (MW-3 [9-14-09]) were outside QC limits due to sample matrix.

Based on CDM's review of the assertions by the laboratory in terms of their performance in regard to the data quality, the data is of adequate quality to support the conclusions of this Phase II ESA.

5.0 DISCUSSION OF FINDINGS AND CONCLUSIONS

As discussed in section 1.0, the previously-performed Phase I ESA identified a series of RECs for the property, and the resulting SOW was developed in order to evaluate the nature and extent of contamination at each REC. The following table summarizes the results of the Phase II ESA:

REC-1:	USTs, dispensers, and product piping
SOW:	Advance five (5) soil borings and install five (5) monitoring wells (MW-1 through MW-5).
Results:	Soil borings MW-1, MW-2, MW-3, MW-4, and MW-5 were advanced at the Property and completed as monitoring wells to assess the USTs, product piping, and dispensers. Based upon review of the prescribed sample analytical parameters provided in the Phase II SOW and as requested/approved by ExxonMobil, adjustments/corrections to the prescribed analytical parameters were implemented, where required/possible, to align the sampling schedule with MDE analytical guidance for such investigations. The results indicate the presence of VOCs, GRO, and DRO in soil and groundwater, and metals and SVOCs in soil as shown in **Tables 1 and 2**. A positive tone on oil/water interface probe was noted during the initial gauging event at MW-4 and MW-5. However, upon visual inspection of water recovered from the monitoring well to confirm absence/presence of LPH, no indication of LPH was observed or recorded. Focused re-testing of the subject wells did not detect any evidence of floating product. On the basis of the groundwater analytical data and the follow-up gauging event results, the initial probe results are considered false positives. The data is provided in the Groundwater Monitoring and Analytical Data table for reference purposes.

REC-2:	Automated carwash
SOW:	Advance one (1) soil boring and install one (1) monitoring well (MW-6).
Results:	Soil borings MW-6 was advanced at the Property and completed as monitoring wells to assess the carwash on the southern portion of the property. Based upon review of the prescribed sample analytical parameters provided in the Phase II SOW and as requested/approved by ExxonMobil, adjustments/corrections to the prescribed analytical parameters were implemented, where required/possible, to align the sampling schedule with Maryland Department of the Environment analytical guidance for such investigations. The results indicate the presence of metals and VOCs in soil and metals, VOCs, and DRO in groundwater, as shown in **Tables 1 and 2**. No free-phase petroleum hydrocarbons were observed or detected during boring / well installation activities.
REC-3:	Former UST system
SOW:	Conduct additional paper search and perform GPR survey of the site in an attempt to determine the locations of the former UST system. Pending the results, evaluate if additional assessment is required.
Results:	Based on site information provided in the Phase I report, and with ExxonMobil approval, paper search was not completed. But rather, as a conservative and consistent approach, a full site GPR/PUL survey was completed at the site prior to subsurface activities, in an effort to determine the location(s) of possible USTs with unknown locations identified in the Phase I and Phase II SOW. GPR/PUL survey results, including method (i.e. signal penetration) and access limitations were reviewed and evaluated in determining the potential presence/absence of USTs with unknown locations. The only anomalies identified by the GPR/PUL were subsurface electrical utilities.
REC-4:	Groundwater Impact on the Northeast and Southeast Boundaries of the Property by PECs
SOW:	No additional investigation proposed. This REC will be assessed in conjunction with REC-1.
Results:	Refer to REC-1 for soil and groundwater analytical results for MW-1 through MW-3. Based on a groundwater flow direction to the north/northeast and analytical results from the well located at the upgradient Property boundary (MW-6), this REC has been addressed.

Based on the results of the evaluation of the identified RECs, hazardous substances or petroleum products have been released or disposed at the property.

The analytical testing of both soil and groundwater samples indicated the presence of VOCs, SVOCs, metals, GRO, and DRO.

Arsenic, barium, chromium, and lead were detected in two soil samples (MW-3, MW-6) at respective maximum concentrations in MW-6 of 11.1 milligrams per kilogram (mg/kg), 12.3 mg/kg, 118 mg/kg, and 3.96 mg/kg. Benzene, ethylbenzene, and toluene were detected in four soil samples (MW-2, MW-3 [6-6.5], MW-3 [14-16], and MW-4) at maximum concentrations detected in sample MW-3 (14-16) of 53.9 mg/kg, 69.9 mg/kg, and 337 mg/kg, respectively. Total xylenes were detected in five soil samples (MW-2, MW-3 [6-6.5], MW-3 [14-16], MW-4, and MW-6) at a maximum concentration of 318 mg/kg in sample MW-3 (14-16). MTBE was detected in two soil samples (MW-3[6-6.5] and MW-5) at a maximum concentration of 0.00365 mg/kg in the MW-5 sample. The following VOCs,

listed with their respective concentrations, were detected at MW-3 (6-6.5): Acetone (0.0805 mg/kg), sec-butylbenzene (0.0898 mg/kg), n-butylbenzene (0.531 mg/kg), isopropylbenzene (0.304 mg/kg), p-isopropyltoluene (0.0547 mg/kg), naphthalene (1.38 mg/kg), n-propylbenzene (1.1 mg/kg), 1,3,5-trimethylbenzene (1.78 mg/kg), 1,2,4-trimethylbenzene (6.32 mg/kg). Fluorene, naphthalene, and phenanthrene were detected in one soil sample (MW-3 [6-6.5]) at respective concentrations of 0.106 mg/kg, 1.76 mg/kg, and 0.189 mg/kg. DRO was detected at four soil samples (MW-1, MW-3 [6-6.5], MW-3 [14-16], and MW-4) at a maximum concentration of 824 mg/kg in sample MW-3 (14-16). GRO was detected at two soil samples (MW-3[6-6.5] and MW-3 [14-16]) at a maximum concentration of 3,270 mg/kg in sample MW-3 (14-16).

MTBE was detected in five groundwater samples (MW-2 through MW-6), with a maximum concentration of 654 micrograms per liter (ug/L) in the sample collected at MW-2. Benzene, ethylbenzene, toluene, and total xylenes were detected in the samples collected at MW-2 and MW-3 with respective maximum concentrations in MW-3 of 9,000 ug/L, 1,730 ug/L, 21,500, and 7,900 ug/L. DRO was detected in four groundwater samples (MW-2, MW-3, MW-5, and MW-6) at a maximum concentration of 2,900 ug/L in MW-3. GRO was detected in two groundwater samples (MW-2 and MW-3) at a maximum concentration of 165,000 ug/L in MW-3. Barium was detected in one groundwater sample (MW-6) at a concentration of 136 ug/L. No compounds were detected in MW-1.

In 2008, the Maryland Legislature passed House Bill HB977, mandating that the MDE amend the Code of Maryland Regulations 26.14.02 to require the reporting of environmental releases to MDE by October 1, 2009. Based on the findings of this investigation, sample analytical results indicated that concentrations of select tested analytes were detected above potentially applicable standards. The above-referenced regulations are still in development, but when promulgated, it may become necessary to formally report the findings of this report to MDE.

Unless otherwise noted, this Phase II ESA was prepared in substantive accordance with ASTM E 1903-97. Any variations from the previously approved SOW are noted, and any data insufficiencies that prevent conclusions related to the evaluation of the RECs are provided in the appropriate section.

6.0 LIMITATIONS

CDM performed the services for this Phase II ESA in accordance with the professional standard of care defined as that level of services provided by similar professionals under like circumstances. No guarantee or warranty is expressed or implied.

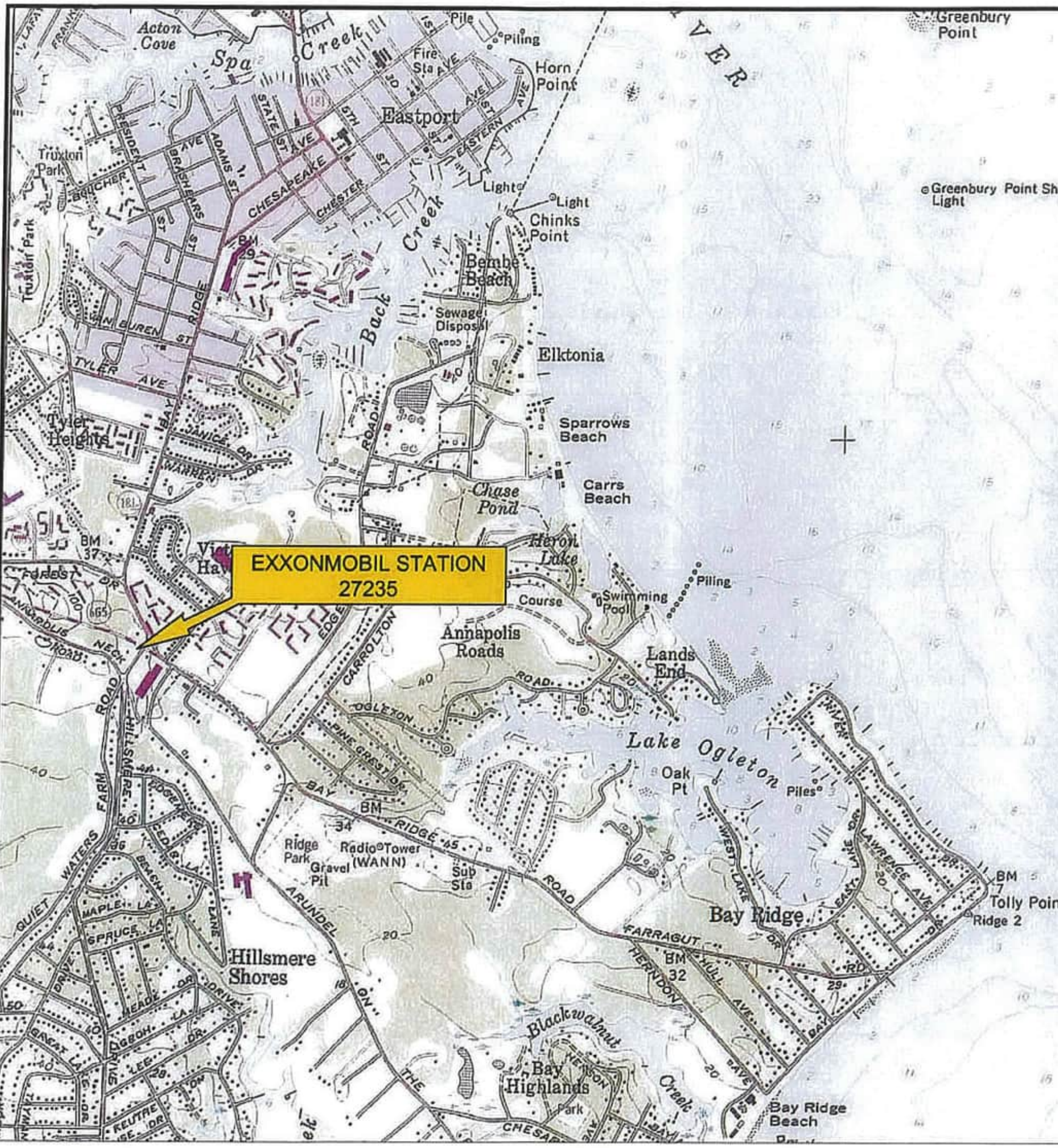
This report may be used only by the client, in accordance with the governing contract, only for the purposes stated, and within a reasonable time from its issuance. Any party other than ExxonMobil, or their assignees who wish to use this report, shall notify both ExxonMobil and CDM prior to such intended use to obtain written approval from both parties.

7.0 REFERENCES

USGS Topographic Map, 7.5-Minute Series, Annapolis, Maryland, 1978 Quadrangle.

Phase I ESA, December 2008, prepared by Kleinfelder East, Inc.

FIGURES



SOURCES:
1. USGS ANNAPOLIS, MD QUAD MAP, LOC #27235, DATE 1978.
2. KLEINFELDER FIELD RESEARCH.

The information included on this graphic representation has been compiled from a variety of sources and is subject to change without notice. Kleinfelder makes no representations or warranties, express or implied, as to accuracy, completeness, timeliness, or rights to the use of such information. This document is not intended for use as a land survey product nor is it designed or intended as a construction design document. The use or misuse of the information contained on this graphic representation is at the sole risk of the party using or misusing the information.

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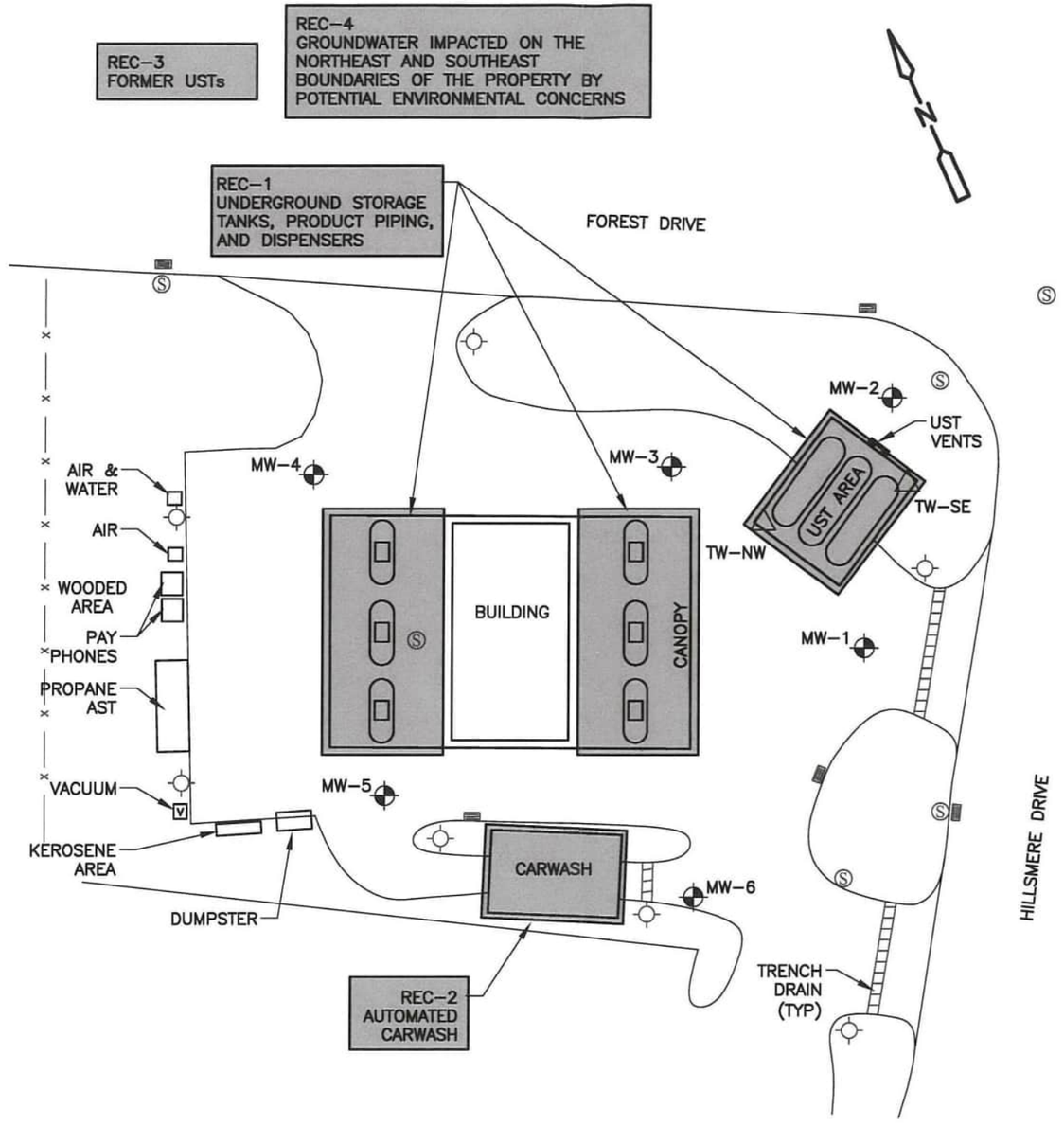
2000 0 1000 2000 ft

SCALE: 1 inch = 2000 feet

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PROJECT NO. 27235	SITE LOCATION MAP	FIGURE
DRAWN: NOV 2008		
DRAWN BY: PD		1
CHECKED BY: JFK	EXXONMOBIL STATION 27235 1000 FOREST DRIVE ANNAPOLIS, MD	
FILE NAME: 27235_01_0.dwg		

CAD FILE: G:□Environ□CURRENT WORK FOLDER PROJECTS□97388 Phase I Reports□27235□Figures□ LAYOUT: Layout1



LEGEND:

TW–SE △	TANK FIELD MONITORING WELL
MW–1 ⊕	MONITORING WELL LOCATION
REC	RECOGNIZED ENVIRONMENTAL CONDITION
Ⓢ	STORM SEWER MANHOLE
▭	CATCH BASIN/STORM DRAIN
☼	AREA LIGHT
—x—	FENCE

NOTE:

1. BASE MAP DEVELOPED BY KLEINFELDER, SCALE AND LOCATIONS ARE APPROXIMATE.

1" = 40'
20 0 40
APPROXIMATE SCALE

EXXONMOBIL STATION #2–7235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

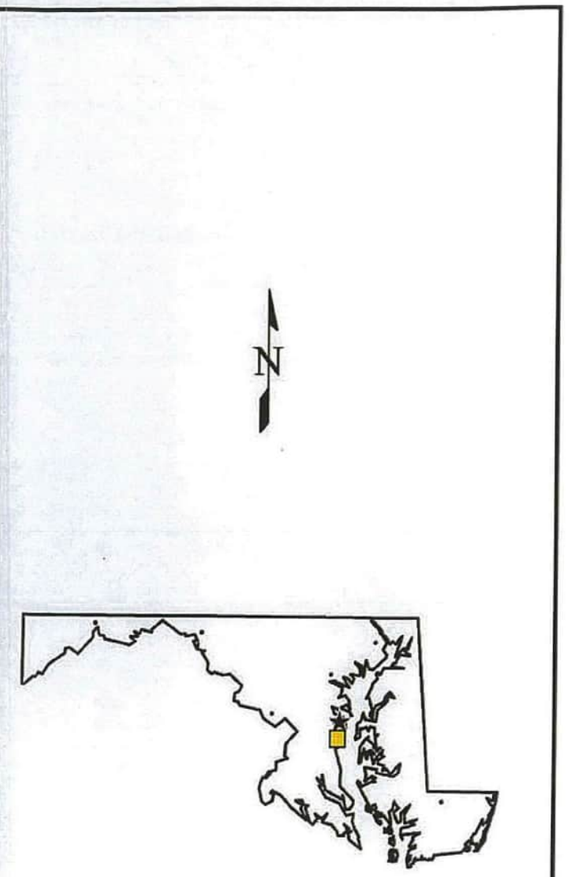
SITE MAP

FIGURE 2

CDM

C:\CAD\XOM\5.1 – FIGURES\Annapolis 27235\ 27235–ANNAPOLIS–FIG2 09/24/09 12:07 Koskiar





SITE LOCATION

100 0 50 100 ft

SCALE: 1 inch = 100 feet

SOURCES:
1.AERIAL IMAGE PROVIDED BY GOOGLE EARTH.COM (ACCESSED DECEMBER 17, 2008).
2. KLEINFELDER FIELD RESEARCH.

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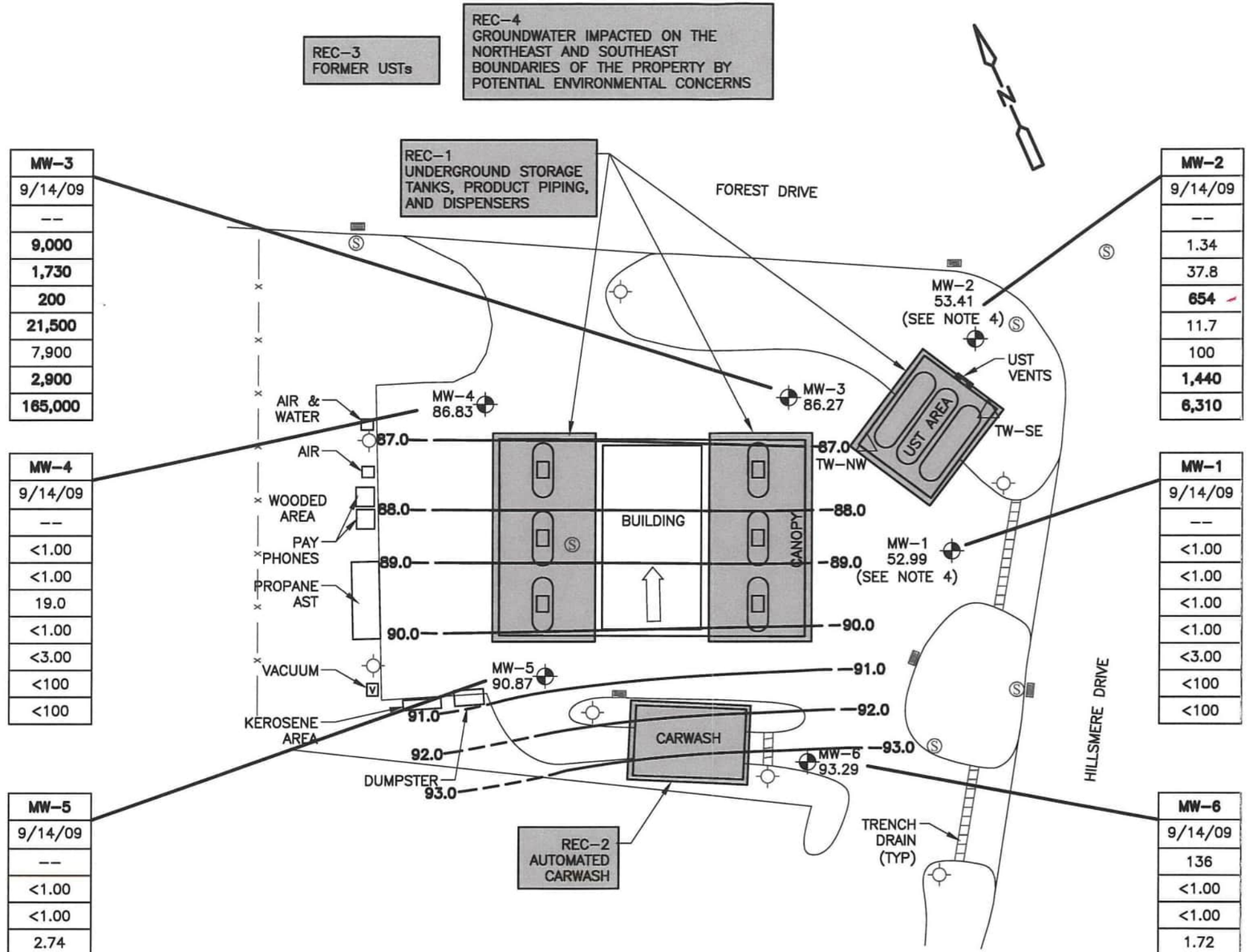
PROJECT NO.	27238
DRAWN:	DEC 2008
DRAWN BY:	PD
CHECKED BY:	JFK
FILE NAME:	27235_03_0.dwg

LOCAL AREA MAP

EXXONMOBIL STATION 27235
1000 FOREST DRIVE
ANNAPOLIS, MD

FIGURE
3

CAD FILE: G:\Environ\CURRENT WORK FOLDER PROJECTS\97388 Phase I Reports\27235\Figures\ LAYOUT: Layout1



LEGEND:

- APPROXIMATE GROUNDWATER FLOW DIRECTION
- 90.0 — GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
- TW–SE △ TANK FIELD MONITORING WELL
- MW–1 52.99 ⊕ MONITORING WELL WITH GROUNDWATER ELEVATION
- REC RECOGNIZED ENVIRONMENTAL CONDITION
- Ⓢ STORM SEWER MANHOLE
- CATCH BASIN/STORM DRAIN
- AREA LIGHT
- —x— FENCE

NOTES:

1. BASE MAP DEVELOPED BY KLEINFELDER, SCALE AND LOCATIONS ARE APPROXIMATE.
2. GROUNDWATER ELEVATIONS INDICATED ON FIGURE ARE BASED ON SITE SPECIFIC REFERENCE POINT OF 100 FEET.
3. MARYLAND DEPT. OF THE ENVIRONMENT (JUNE 2008) CLEANUP STANDARDS FOR SOIL AND GROUNDWATER ARE USED FOR COMPARISON.
4. NOT INCLUDED IN GROUNDWATER CONTOUR AS THEY ARE BEDROCK WELLS. ONLY OVER BURDEN WELLS ARE INCLUDED IN CONTOUR.

MW–1	WELL IDENTIFICATION
9/14/09	SAMPLE DATE
--	BARIUM (ug/L)
<1.00	BENZENE (ug/L)
<1.00	ETHYLBENZENE (ug/L)
<1.00	METHYL TERT–BUTYL ETHER (ug/L)
<1.00	TOLUENE (ug/L)
<3.00	XYLENES, TOTAL (ug/L)
<100	DIESEL RANGE ORGANICS (ug/L)
<100	GASOLINE RANGE ORGANICS (ug/L)

BOLD VALUES INDICATE EXCEEDANCES OF POTENTIALLY APPLICABLE STANDARDS (SEE NOTE 3).
-- = NOT ANALYZED
<1.00 = WHERE AN ANALYTE IS NOT DETECTED THE LABORATORY METHOD REPORTING LIMIT IS GIVEN.

1" = 40'
20 0 40
APPROXIMATE SCALE

CDM

EXXONMOBIL STATION #2–7235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

GROUNDWATER MONITORING MAP SEPTEMBER 14, 2009

FIGURE 4

C:\CAD\XOM\5.1 – FIGURES\Annapolis 27235\ 27235–ANNAPOLIS–FIG4 09/24/09 13:10 Koskiar

TABLES

TABLE 1
SOIL ANALYTICAL DATA
PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
EXXONMOBIL STATION #2-7235
1000 FOREST DR
ANNAPOLIS, MD

Analytical Parameters (mg/kg)	Non-Residential Clean-up Standard[1]	Protection of Groundwater Area Standard[2]	MW-1	MW-2	MW-3	MW-3**	MW-4	MW-5	MW-6
Location ID:			MW-1	MW-2	MW-3	MW-3**	MW-4	MW-5	MW-6
Sample ID:			NSH0724-01	NSH1384-01	NSG2141-02	NSH1384-02	NSH1384-03	NSH1971-01	NSH2643-01
Depth Interval (ft bgs):			52-54	44-46	6-6.5	14-16	05-07	07-09	7
Sample Date:			08/04/09	08/10/09	07/24/09	08/12/09	08/12/09	08/13/09	08/21/09
Analyses Run (See Notes):			4, 5, 6	4, 5, 6	3, 5, 6, 7, 8, 9	4, 5, 6	4, 5, 6	4, 5, 6	3, 4, 5, 6
Metals									
Arsenic	*1.9*	*0.026*	--	--	**4.31**	--	--	--	**11.1**
Barium	*20,000*	*6,000*	--	--	9.22	--	--	--	12.3
Chromium	*310*	*42*	--	--	27.8	--	--	--	**118**
Lead	*1,000*	*NE*	--	--	1.91	--	--	--	3.96
Volatile Organic Compounds									
Acetone	*92,000*	*22*	--	--	0.0805	--	--	--	--
Benzene	*52*	*0.0019*	<0.00281	**0.00201**	**0.452**	**53.9**	**0.00998**	<0.00247	<0.00187
sec-Butylbenzene	*NE*	*NE*	--	--	0.0898	--	--	--	--
n-Butylbenzene	*NE*	*NE*	--	--	0.531	--	--	--	--
Ethylbenzene	*10,000*	*15.00*	<0.00281	0.0221	2.98	**69.9**	0.00418	<0.00247	<0.00187
Isopropylbenzene	*10,000*	*64.00*	--	--	0.304	--	--	--	--
p-Isopropyltoluene	*NE*	*NE*	--	--	0.0547	--	--	--	--
Methyl tert-Butyl Ether	*720*	*0.012*	<0.00281	<0.00177	0.00358	<0.259	<0.00232	0.00365	<0.00187
Naphthalene*	*2,000*	*0.15*	--	--	**1.38**	--	--	--	--
n-Propylbenzene	*NE*	*NE*	--	--	1.1	--	--	--	--
Toluene	*8,200*	*27*	<0.00281	0.0391	5.44	**337**	0.0241	<0.00247	<0.00187
1,3,5-Trimethylbenzene	*NE*	*NE*	--	--	1.78	--	--	--	--
1,2,4-Trimethylbenzene	*NE*	*NE*	--	--	6.32	--	--	--	--
Xylenes, total	*20,000*	*3*	<0.00702	0.196	**14.5**	**318**	0.0205	<0.00616	0.00731
Semivolatile Organic Compounds									
Fluorene	*4,100*	*140*	--	--	0.106	--	--	--	--
Naphthalene*	*2,000*	*0.15*	--	--	**1.76**	--	--	--	--
Phenanthrene	*31,000*	*470*	--	--	0.189	--	--	--	--
Diesel Range Organics	*620*	*NE*	6.31	<5.56	356	**824**	76.8	<5.31	<5.99
Gasoline Range Organics	*620*	*NE*	<5.38	<4.89	335	**3,270**	<5.95	<8.40	<4.88

Notes:
-- = Not Analyzed
<1.00 = Where an analyte is not detected the method reporting limit is given
NE = No Standard Established
* = Naphthalene analyzed via USEPA 8260B and 8270C analyses. The higher result is used for regulatory compliance purposes
** = MW-3 is referred to as MW-3 ALT in the laboratory analytical report
Only analytes detected are shown. Full analyses are included in Attachment C.
mg/kg = milligram per kilogram

1 = Based on current property use, Non-Residential Clean-up Standards potentially apply.
2 = Protection of Groundwater Area Standard potentially applies because a potable water supply well is located within ½ mile of the site, or there is potential for future groundwater use as a potable source, or the area is a wellhead protection area for public supply wells approved by MDE.
3 = RCRA 8 Metals via USEPA Methods 6010B and 7470A/7471
4 = Target List of VOCs via USEPA Method 8260B
5 = Gasoline Range Organics (GRO) as Gasoline via USEPA Method 8015B
6 = Diesel Range Organics (DRO) as Diesel via USEPA Method 8015B
7 = Standard List of VOCs including MTBE via USEPA Method 8260B
8 = Polycyclic Aromatic Hydrocarbons via USEPA Method 8270C
9 = Total Petroleum Hydrocarbons - Oil Range via USEPA Method 8015B

Bold value indicates exceedances of potentially applicable standards
Shaded value indicates sample is greater than the Eastern Maryland Anticipated Typical Concentration (ATC)* for the analyte
Soil standards are from State of Maryland, Dept. of the Environment (2008), Cleanup Standards for Soil and Groundwater
Analyses completed are summarized in Section 3.1 of the report
Laboratory method reporting limits for some analytes exceed potentially applicable standards

*When an Anticipated Typical Concentration (ATC) concentration for a given province exceeds the "Proposed Maryland Cleanup Standards (Residential)", the ATC value for the appropriate province may be proposed as an acceptable alternative to the risk derived value presented in the "Proposed Maryland Cleanup Standards (Residential)."

Analytical Parameters	Anticipated Typical Concentration (ATC)			Maryland Cleanup Standards		
	Eastern Maryland	Central Maryland	Western Maryland	Residential	Non-Residential	Protection of GW Area Standard
Arsenic	3.6	4.9	11	0.43	1.90	0.026
Chromium	28	30	42	23	310	42

Source: Maryland Dept. of Environment (2008). Cleanup standards for Soil and Groundwater. Appendix 2.

TABLE 2
GROUNDWATER MONITORING AND ANALYTICAL DATA
PHASE II ENVIRONMENTAL SITE ASSESSMENT REPORT
EXXONMOBIL STATION #2-7235
1000 FOREST DRIVE
ANNAPOLIS, MD

Monitoring Well Info.	Location ID:	**MW-1**	**MW-2**	**MW-3**	**MW-4**	**MW-5**	**MW-6**
	Depth to Groundwater (ft):	50.43	51.26	15.04	12.45	9.52	9.00
	Depth to Product (ft):	ND	ND	ND	12.44	9.51	ND
	Product Thickness (ft):	0	0	0	0.01*	0.01*	0
	TOC Well Elevation (ft):	103.42	104.67	101.31	99.27	100.38	102.29
	Groundwater Elevation (ft):	52.99	53.41	86.27	86.83	90.87	93.29
	Sample ID:	NSI1247-05	NSI1247-03	NSI1247-06	NSI1247-07	NSI1247-02	NSI1247-04
	Sample Date:	09/14/09	09/14/09	09/14/09	09/14/09	09/14/09	09/14/09
Analytical Parameters (ug/L)	Analyses Run (See Notes):	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	2, 3, 4	1, 2, 3, 4
	Groundwater Standards						
Metals							
Barium	*2,000*	--	--	--	--	--	136
Volatile Organic Compounds							
Benzene	*5*	<1.00	1.34	**9,000**	<1.00	<1.00	<1.00
Ethylbenzene	*700*	<1.00	37.8	**1,730**	<1.00	<1.00	<1.00
Methyl tert-Butyl Ether	*20*	<1.00	**654**	**200**	19.0	2.74	1.72
Toluene	*1,000*	<1.00	11.7	**21,500**	<1.00	<1.00	<1.00
Xylenes, total	*10,000*	<3.00	100	7,900	<3.00	<3.00	<3.00
Diesel Range Organics	*47*	<100	**1,440**	**2,900**	<100	**201**	**456**
Gasoline Range Organics	*47*	<100	**6,310**	**165,000**	<100	<100	<100

Notes:
-- = Not Analyzed
<1.00 = Where an analyte is not detected the method reporting limit is given
ND = Not Detected
TOC = Top of Casing
Only analytes detected are shown. Full analyses are included in Attachment D.
ug/L = microgram per liter

1 = RCRA 8 Metals via USEPA Methods 6010B and 7470A/7471
2 = Target List of VOCs via USEPA Method 8260B
3 = Gasoline Range Organics (GRO) as Gasoline via USEPA Method 8015B
4 = Diesel Range Organics (DRO) as Diesel via USEPA Method 8015B

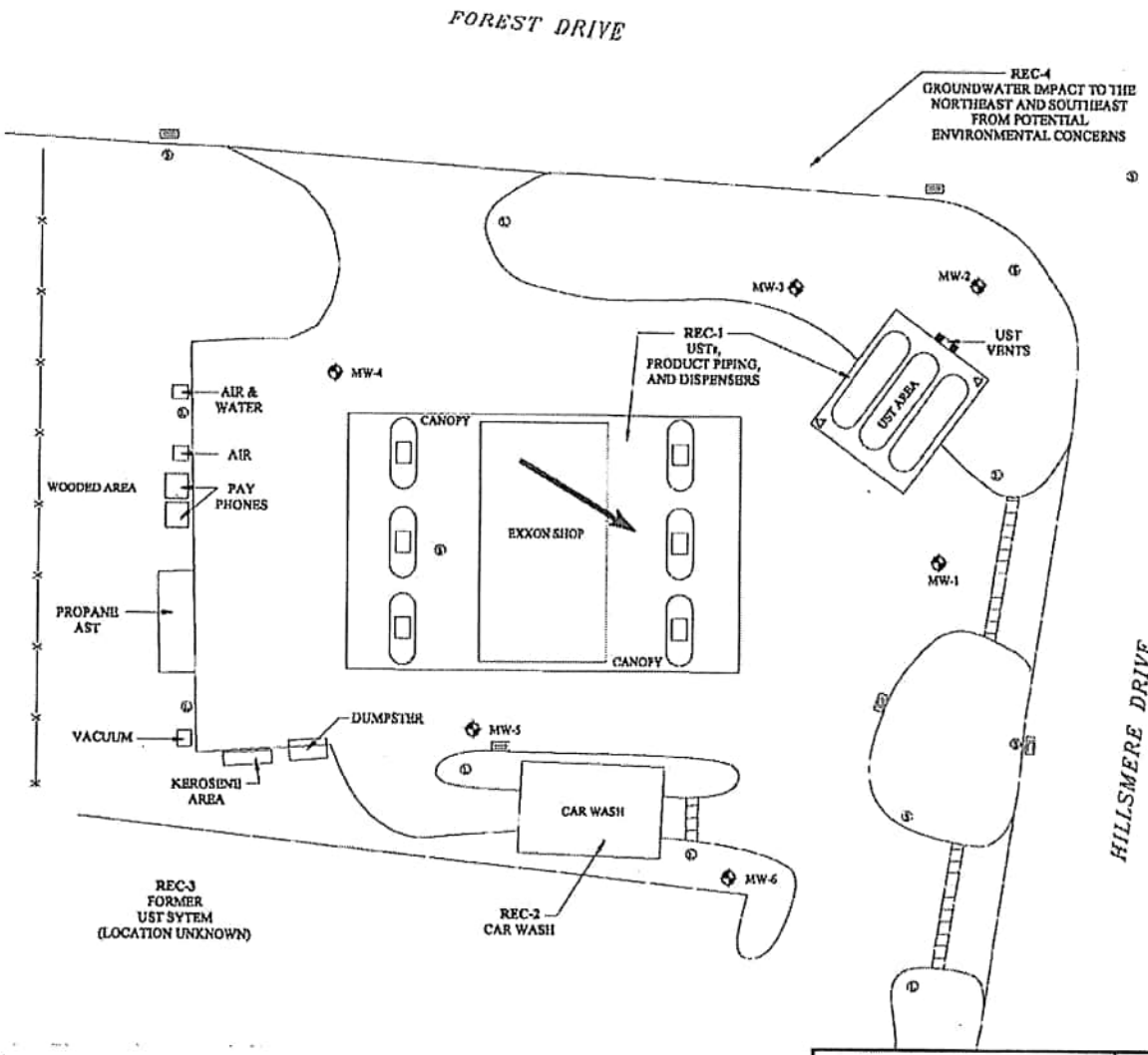
Bold value indicates exceedances of the Groundwater Standard
Groundwater Standards are from State of Maryland, Dept. of the Environment (2008),
Cleanup Standards for Soil and Groundwater
Analyses completed are summarized in Section 3.3 of the report
Laboratory method reporting limits for some analytes exceed potentially applicable standards

Groundwater elevations are based on a site specific reference point of 100 feet
Groundwater elevation is adjusted based on product thickness noted above.

* A positive tone on oil/water interface probe was noted during the initial gauging event of the monitoring well. However, upon visual inspection of water recovered from the monitoring well to confirm absense/presense of LPH, no indication of LPH was observerd or recorded. Focused re-testing of the subject wells did not detect any evidence of floating product. On the basis of the groundwater analytical data and the follow-up gauging event results, the initial probe results are considered false positives. The data is provided in the Groundwater Monitoring and Analytical Data table for reference purposes.

ATTACHMENT A

Phase II Scope of Work



LEGEND

- PROPOSED MONITORING WELL/ SOIL BORING LOCATION
- ASSUMED GROUNDWATER FLOW DIRECTION
- SEWER VAULT
- CATCH BASIN/STORM DRAIN
- OBSERVATION WELL
- LIGHTS
- TRENCH DRAIN
- EXTENT OF GROUNDWATER IMPACT

NOTES:

AST = ABOVEGROUND STORAGE TANK
REC = RECOGNIZED ENVIRONMENTAL CONDITION
UST = UNDERGROUND STORAGE TANK

N

30 0 15 30 ft
SCALE: 1 inch = 30 feet

SOURCES:
1. ORIGINAL BASE MAP DRAWN BY BNU, KLEINFELDER, JESSUP, MD, AUGUST 29, 2005.
2. KLEINFELDER FIELD RESEARCH.

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PROJECT NO.	27235
DRAWN:	DEC 2008
DRAWN BY:	PD
CHECKED BY:	JFK
FILE NAME:	

PHASE II SCW

EXXONMOBIL STATION 27235
1000 FOREST DRIVE
ANNAPOLIS, MD

FIGURE
1

PHASE II SCOPE OF WORK

Exxon Facility # 27235
1000 Forest Drive
Annapolis, MD

REC	Description	Location	Details	Existing Soil Boring / Well ID	Proposed Soil Boring / Well ID	Rationale	COCs	
							Soil	Groundwater
REC - 1	Current Gasoline USTs, dispensers & product piping	UST Field: Northeastern portion of the site; Dispenser Islands: Center of the site.	Advance five (5) soil borings & install five (5) monitoring wells (MW-1 thru MW-5).	None	Soil borings / monitoring wells MW-1 thru MW-5 as noted on attached figure.	Evaluation of presence/absence of COCs in soil and groundwater in the vicinity of the current UST system.	OVA/PID screening and one sample from each boring (highest OVA/PID or w/in one foot of water). EPA 8260C with MTBE and EPA 8015 (GRO)	EPA 8260C with MTBE and EPA 8015 (GRO)
REC - 2	Car wash	Southern portion of the site	Advance one (1) soil boring & install one (1) monitoring well (MW-6).	None	Soil boring / monitoring well MW-6 as noted on attached figure.	Evaluation of the presence/absence of COCs in soil and groundwater in the vicinity of the Car Wash.	OVA/PID screening and one sample from each boring (highest OVA/PID or w/in one foot of water). EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), TCLP Metals, RCRA-8 metal	EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), RCRA-8 metal
REC - 3	Former UST System	unknown	Conduct additional paper search and a GPR survey of the site in an attempt to determine the location of the former UST system. Pending the results, evaluate if additional assessment is required.	None	Pending	Evaluation of the presence/absence of COCs in soil and groundwater from former UST system.	OVA/PID screening and one sample from each boring (highest OVA/PID or w/in one foot of water). EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO)	EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO)
REC - 4	Groundwater impact to the Northeast and Southeast from PECs	Northeast and Southeast property boundaries	Assess in conjunction with REC-1.	None	Assess in conjunction with REC-1 (MW-1 thru MW-3).	Evaluation of the presence/absence of petroleum COCs in groundwater & soil from offsite PECs.	OVA/PID screening and one sample from each boring (highest OVA/PID or w/in one foot of water). EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), TCLP Metals, RCRA-8 metal, solvents	EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), RCRA-8 metal, solvents
NA	Background well	Assumed Northern portion of the site	Use proposed well MW-4. Pending the determination of the groundwater flow direction at the site, additional wells may need to be installed.	None	Soil boring / monitoring well MW-4 as noted on attached figure.	Evaluation of the presence/absence of petroleum COCs in background conditions.	OVA/PID screening and one sample from each boring (highest OVA/PID or w/in one foot of water). EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), TCLP Metals, RCRA-8 metal	EPA 8260C with MTBE and EPA 8015 (GRO, ORO, and DRO), RCRA-8 metal

Notes:
COC - Constituent of Concern
DRO - Diesel Range Organics
GRO - Gas Range Organics
MTBE - methyl tert-butyl ether
ORO - Oil Range Organics
PID - photo ionization detector
REC - recognized environmental condition
TPH - Total Petroleum Hydrocarbons
UST - underground storage tank
VOCs - Volatile Organic Compounds

Draft Phase II SOW developed based upon the data in hand at the time of scope development

SB/MW Locations pending completion of PreDrill Activities

ATTACHMENT B

Soil Boring Logs

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-1

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7/24/09 **End:** 8/6/09
Logged By: H.K. Haase
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 103.42
Total Depth (ft.): 60
Depth to Initial Water Level (ft. BGS): 16
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 103.42 ft. *Ground Surface*
					CL	0'-2': Dry, green, CLAY, some sand.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	0.4		6/6		2'-4': Dry, brown with green mottling, CLAY, some sand.			
HA	S-2	3.4		6/6		4'-6': Same as above.		5	
HA	S-3	0.0		6/6		6'-8': Dry, brown and green, CLAY, some sand.			
HA	S-4	0.0		6/6					
SS	S-5	2.5	3 4 10 6	24/20	SW	8'-10': Moist, medium dense, reddish brown and olive gray mottled, coarse to fine SAND.		10	Cement grout (1'-41')
SS	S-6	1.7	3 6 7 7	24/20	SP	10'-12': Moist, medium dense, reddish brown and olive gray mottled, fine SAND.			
SS	S-7	1.3	4 5 6 4	24/5		12'-14': Moist, medium dense, olive gray, fine SAND.			
SS	S-8	0.7	2 4 4 4	24/9	SM/ML	14'-16': Moist, loose, reddish brown and olive gray, SAND and SILT.		15	
SS	S-9	1.4	2 2 2 1	24/24	ML	16'-18': Wet, soft to medium stiff, olive gray, SILT.			
SS	S-10	1.1	2 3 11 11	24/21	CL SW	18'-19': Wet, stiff, olive gray, CLAY, some silt. 19'-20': Moist, medium dense, reddish			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
AH - Air Hammer
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 52-54' BGS.

BGS: below ground surface
NM: not measured

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE

CDM

50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-1

Client: ExxonMobil

Project Name: Annapolis 27235

Project Location: 1000 Forest Drive, Annapolis MD

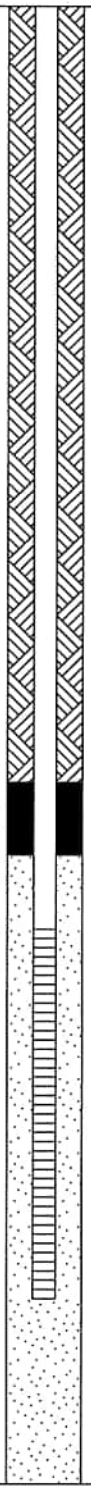
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description
					CL	brown, coarse to fine SAND.
SS	S-11	0.8	6 8 10 9	24/24	SP	20'-20.5': Moist, medium stiff, olive gray, CLAY, some silt.
SS	S-12	1.0	2 9 11 11	24/12	SM	20.5'-21.75': Moist, medium dense, yellow and reddish brown, coarse SAND.
SS	S-13	0.7	4 5 7 10	24/24	SM/ML	21.75'-22': Moist, medium dense, reddish brown, coarse SAND.
						22'-24': Moist, medium dense, reddish brown, fine SAND, some silt.
SS	S-14	0.8	9 16 19 18	24/16		24'-26': Moist, medium dense, reddish brown, fine SAND and SILT.
						26'-28': Moist, dense, reddish brown, fine SAND and SILT.
SS	S-15	0.3	7 10 12 12	24/16	SP	28'-30': Moist, medium dense, olive gray, fine SAND.
SS	S-16	0.4	2 6 9 12	24/24	SM	30'-32': Moist, medium dense, olive gray, fine SAND, some silt.
SS	S-17	0.1	9 14 19 17	24/12	SP	32'-34': Moist, medium dense, olive gray, fine SAND.
SS	S-18	0.2	4 9 10 16	24/22	SP	34'-36': Moist, medium dense, dark olive gray, medium SAND.
SS	S-19	0.6	11 11 22 26	24/24		36'-38': Moist, medium dense, reddish brown and olive gray mottled, medium SAND.
SS	S-20	0.9	8 12 15 18	24/20		38'-40': Moist, medium dense, olive gray, medium SAND.
SS	S-21	0.4	6 14 18 21	24/22		40'-42': Moist, dense, dark olive gray, medium SAND.
SS	S-22	0.1	17 21 24 22	24/20		42'-44': Same as above.
SS	S-23	0.7	8 12 16 16	24/21		44'-46': Moist, medium dense, dark olive gray, medium SAND.
SS	S-24	0.1	13 17 18 18	24/22		46'-48': Moist, dense, dark olive gray, medium SAND.
SS	S-25	0.2	6 10 11 9	24/21		48'-50': Moist, medium dense, reddish brown and olive gray mottled, medium SAND.
SS	S-26	1.3	3 20 50 19	24/24	SP	50'-51': Moist, very dense, dark olive gray, coarse SAND.
						51'-52': Moist, very dense, light gray, WEATHERED ROCK.
SS	S-27	1.4	15 14 12 50/3"	21/20	SP	52'-54': Moist, very dense, olive gray to reddish brown, medium SAND.
SS	S-28	NM	50/4"	4/2		54'-54.3': Moist, very dense, light gray, WEATHERED ROCK.
						54.3'-60': Augered to 60' BGS without sampling.
						Bottom of exploration at 60' BGS.

Graphic Log

Elev. Depth (ft.): 20, 25, 30, 35, 40, 45, 50, 55

Well Construction Detail



BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-2

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7-25-09 **End:** 8/11/09
Logged By: H.K. Haase
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 104.67
Total Depth (ft.): 70
Depth to Initial Water Level (ft. BGS): 65
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 104.67 ft.
									Ground Surface
					CL	0'-1.5': Dry, CLAY.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	0.0		6/6	SP	1.5'-2': Dry, SAND.			
					SP	2'-5.5': Dry, SAND, some clay.			
HA	S-2	0.0		6/6					
								5	
HA	S-3	0.0		6/6	CL	5.5'-6': Dry, green, CLAY.			
					CL	6'-8': Dry, green, CLAY, some sand.			
HA	S-4	0.0		6/6					
SS	S-5	0.0	4 8 9 10	24/21	SP	8'-10': Moist, medium dense, olive gray, medium SAND.			
SS	S-6	0.0	2 8 10 9	24/22		10'-12': Moist, medium dense, brownish yellow, medium SAND.		10	Cement grout (1'-56')
SS	S-7	0.0	9 9 12 10	24/24		12'-14': Moist, medium dense, olive gray and brownish, yellowish, reddish mottled, fine SAND.			
SS	S-8	0.0	2 2 2 3	24/24	SC/CL	14'-16': Moist, soft, olive gray, SAND and CLAY, some silt.		15	
SS	S-9	34.7	2 3 3 3	24/24	CL	16'-18': Moist, medium stiff, olive gray, CLAY, some silt.			
SS	S-10	334	3 5 9 8	24/18	SP	18'-20': Moist, medium dense, olive gray to reddish brown, medium SAND.			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
AH - Air Hammer
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 44-46' BGS.

BGS: below ground surface
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-2

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
SS	S-11	220	WOH 6 8 7	24/20	CL	20'-21.75': Moist, stiff, greenish olive gray, CLAY, some silt.		20	
SS	S-12	41.6	3 6 8 9	24/21	SP	21.75'-22': Moist, medium dense, reddish brown, medium SAND. 22'-24': Moist, medium dense, reddish brown and olive gray, medium SAND.			
SS	S-13	53.4	5 12 11 9	24/24	CL / SP	24'-25': Moist, very stiff, olive gray, CLAY, some silt. 25'-26': Moist, medium dense, reddish brown, coarse SAND.		25	
SS	S-14	241	8 14 17 16	24/23	CL	26'-28': Moist, hard, reddish brown, CLAY, some silt.			
SS	S-15	268	5 7 10 11	24/23	SP	28'-29': Moist, very stiff, olive gray, CLAY, some silt. 29'-30': Moist, medium dense, olive gray, medium SAND.			
SS	S-16	35.5	5 10 12 16	24/21		30'-32': Moist, medium dense, dark olive gray, medium SAND.		30	2" PVC riser (0'-60')
SS	S-17	104	11 14 14 15	24/16		32'-34': Moist, medium dense, olive gray, medium SAND.			
SS	S-18	43	6 14 16 19	24/22	CL / SP	34'-35': Moist, very stiff to hard, olive gray, CLAY, some silt. 35'-36': Moist, medium dense to dense, reddish brown, medium SAND.		35	
SS	S-19	80	12 20 28 25	24/22		36'-38': Moist, dense, reddish brown, medium SAND.			
SS	S-20	118	9 14 16 19	24/22		38'-40': Moist, medium dense to dense, reddish brown, medium SAND.			
SS	S-21	106	14 22 24 22	24/22		40'-42': Moist, dense, dark olive gray, medium SAND.		40	
SS	S-22	100	11 17 19 20	24/10	CL	42'-44': Moist, hard, olive gray, CLAY, some silt.			
SS	S-23	326	9 14 16 12	24/23	SP	44'-46': Moist, medium dense to dense, olive gray, medium SAND.		45	
SS	S-24	219	16 17 19 18	24/22		46'-48': Moist, dense, olive gray, medium SAND.			
SS	S-25	186	10 9 10 9	24/20		48'-50': Moist, medium dense, reddish brown, medium SAND.			
SS	S-26	239	9 18 46 50/3"	21/21		50'-52': Moist, very dense, olive gray, coarse SAND.		50	
						52-70': Augered to 70' BGS without sampling.		55	Bentonite seal (56'-58')
									#1 Silica Sand (58'-70')

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE

CDM

50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-2

Client: ExxonMobil

Project Name: Annapolis 27235

Project Location: 1000 Forest Drive, Annapolis MD

Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
						52-70': Augered to 70' BGS without sampling.		60 65	2" PVC 10 Slot screen (60'-70')
						Bottom of exploration at 70' BGS.		70 75 80 85 90 95	Well bottom at 70' BGS.

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-3

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Surface Elevation (ft.): NM
Drilling Method/Rig: HS-Auger/Truck mounted
Top of PVC Riser Elevation (ft.): 101.31
Drillers: J. Mehalick, T. Brennan, B. Trimble
Total Depth (ft.): 22
Drilling Date: Start: 7/24/09 **End:** 8/20/09
Depth to Initial Water Level (ft. BGS): 17
Logged By: L. Goodman, H.K. Haase, D. Forbes
Development Method: Surge & Purge
Field Screening Instrument: PID:MultiRAE

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 101.31 ft. *Ground Surface*
					ASPHALT	0'-1.5': Asphalt, roadbase, concrete.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	79.8		6/6	CL	1.5'-2': Dry, dark gray, CLAY.			
					CL	2'-4': Dry, dark gray, CLAY, some sand.			2" PVC riser (0'-12')
HA	S-2	543		6/6					
					SP	4'-6': Dry, SAND.		5	Cement grout (1'-8')
HA	S-3	1543		6/6					
						6'-8': Moist, olive gray, fine SAND.			
HA	S-4	1254		6/6					
SS	S-5	136	5 7 9 9	24/22	SC/CL	8'-10': Moist, medium dense, reddish brown and green mottled, fine SAND and CLAY.			Bentonite seal (8'-10')
SS	S-6	0.0	3 5 7 8	24/21	SW	10'-12': Moist, medium dense, greenish gray and reddish brown mottled, medium to fine SAND.		10	#1 Silica Sand (10'-23')
SS	S-7	472	7 8 9 8	24/24	SP	12'-14': Moist, medium dense, greenish gray and reddish brown mottled, fine SAND.			2" PVC 10 Slot screen (12'-22')
SS	S-8	0.0	4 3 5 5	24/21		14'-16': Moist, loose, greenish gray and reddish brown mottled, fine SAND.		15	
						16'-17': No soil information provided.			
SS	S-9	21	2 4 3 4	24/20	SM	17'-18.5': Wet, loose, brown, fine SAND, some silt, trace clay.			
			2 1		CL	18.5'-19': Wet, medium stiff, grayish green, CLAY, some silt.			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
AH - Air Hammer
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample

OTHER:
AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical samples collected from 6-6.5' BGS and 14-16' BGS.

BGS: below ground surface
NM: not measured

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-3

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
SS	S-10	17	2 3	24/18		19'-21': Wet, soft, grayish green, CLAY, some silt, trace sand.		20	
SS	S-11	NM	2 3 2	24/18		21'-23': Wet, medium stiff, grayish green, CLAY, some silt, trace sand. Bottom of exploration at 22' BGS.		25 30 35 40 45 50 55	Well bottom at 22' BGS.

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

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Cambridge, MA 02139

MONITORING WELL DETAIL
MW-4

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Surface Elevation (ft.): NM
Drilling Method/Rig: HS-Auger/Truck mounted
Top of PVC Riser Elevation (ft.): 99.27
Drillers: J. Mehalick, T. Brennan, B. Trimble
Total Depth (ft.): 20
Drilling Date: Start: 7/24/09 **End:** 8/13/09
Depth to Initial Water Level (ft. BGS): 13.5
Logged By: H.K. Haase
Development Method: Surge & Purge
Field Screening Instrument: PID:MultiRAE

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
						Protective Casing Top of Riser @ 99.27 ft.			
						Ground Surface			
					ASPHALT	0'-0.5': Asphalt.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
					CL	0.5'-4': Dry, dark, CLAY, some sand.			
HA	S-1	3.2		6/6					2" PVC riser (0'-10')
HA	S-2	0.0		6/6					
					SP	4'-8': Dry, dark gray, SAND, some clay.			Cement grout (1'-6')
HA	S-3	0.0		6/6				5	
									Bentonite seal (6'-8')
HA	S-4	0.0		6/6					
SS	S-5	6.4	4 5	12/11	CL	8'-9': Moist, medium stiff, olive gray, CLAY, some silt.			#1 Silica Sand (8'-20')
SS	S-6	2.4	2 3 3 7	24/22		9'-11': Same as above.		10	2" PVC 10 Slot screen (10'-20')
SS	S-7	0.6	5 5 7 7	24/24		11'-13': Moist, stiff, olive gray, CLAY, some silt, little sand.			
SS	S-8	3.4	2 2 2 2	24/21	SP	13'-13.5': Moist, soft to medium stiff, olive gray, CLAY, some silt, little sand.			
SS	S-9	NM	WOH 2 1 2	24/20		13.5'-15': Wet, very loose to loose, brownish yellow, medium SAND. 15'-17': Wet, very loose, yellowish brown, medium SAND.		15	
SS	S-10	NM	3 2 3 4	24/24		17'-19': Wet, loose, yellowish brown, medium SAND.			
						Bottom of exploration at 20' BGS.			Well bottom at 20'

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
AH - Air Hammer
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample

OTHER:
AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 5-7' BGS.

BGS: below ground surface
NM: not measured
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE

CDM

50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-4

Client: ExxonMobil

Project Name: Annapolis 27235

Project Location: 1000 Forest Drive, Annapolis MD

Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								20	BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

CAMP DRESSER & McKEE

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50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-5

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Surface Elevation (ft.): NM
Drilling Method/Rig: HS-Auger/Truck mounted
Top of PVC Riser Elevation (ft.): 100.38
Drillers: J. Mehalick, T. Brennan, B. Trimble
Total Depth (ft.): 20
Drilling Date: Start: 7/23/09 **End:** 8/19/09
Depth to Initial Water Level (ft. BGS): 12
Logged By: D. Forbes
Development Method: Surge & Purge
Field Screening Instrument: PID:MultiRAE

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 100.38 ft. *Ground Surface*
					ASPHALT CONCRETE	0'-0.5': Asphalt 0.5'-1.5': Concrete		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	0.8		6/6	CL	1.5'-4': Dry, green, CLAY, some sand.			2" PVC riser (0'-10')
HA	S-2	0		6/6					
					SP	4'-8': Moist, green, SAND, some clay.		5	Cement grout (1'-6')
HA	S-3	0		6/6					Bentonite seal (6'-8')
HA	S-4	0		6/6					
SS	S-5	1.1	2 3	12/4	CL	8'-9': Moist, soft, olive gray, CLAY, some silt.			#1 Silica Sand (8'-20')
SS	S-6	NM	4 5 5 7	24/0		9'-11': No sample recovery.		10	2" PVC 10 Slot screen (10'-20')
SS	S-7	0.9	5 7 7 7	24/22	SW	11'-12': Moist, stiff, olive gray, CLAY, some silt. 12'-13': Wet, medium dense, reddish brown, medium to fine SAND.			
SS	S-8	NM	2 3 3 2	24/24	SM	13'-15': Wet, loose, brown, fine SAND, some silt, trace clay.			
SS	S-9	NM	WOH WOH 2 3	24/24		15'-17': Wet, very loose, brown, fine SAND, some silt, trace clay.		15	
SS	S-10	NM	WOH 3 5 5	24/24		17'-19': Wet, very loose, grayish green, fine SAND, some silt, clay.			
						Bottom of exploration at 20' BGS.			Well bottom at 20'

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- AH - Air Hammer
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 7-9' BGS.

BGS: below ground surface
NM: not measured
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE

CDM

50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL

MW-5

Client: ExxonMobil

Project Name: Annapolis 27235

Project Location: 1000 Forest Drive, Annapolis MD

Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								20	BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-6

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Surface Elevation (ft.): NM
Drilling Method/Rig: HS-Auger/Truck mounted
Top of PVC Riser Elevation (ft.): 102.29
Drillers: J. Mehalick, T. Brennan, B. Trimble
Total Depth (ft.): 20
Drilling Date: Start: 7/23/09 **End:** 8/21/09
Depth to Initial Water Level (ft. BGS): 9.5
Logged By: D. Forbes
Development Method: Surge & Purge
Field Screening Instrument: PID:MultiRAE

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 102.29 ft. *Ground Surface*
					CL			0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	1.4		6/6		0'-4': Dry, dark green, CLAY.			2" PVC riser (0'-10')
HA	S-2	0		6/6		4'-8': Dry, green, CLAY, some sand.			Cement grout (1'-6')
HA	S-3	0		6/6				5	
HA	S-4	0		6/6					Bentonite seal (6'-8')
SS	S-5	0	2 3	12/8		8'-9': Moist to wet, soft to medium stiff, grayish green, CLAY, some silt, trace sand.			#1 Silica Sand (8'-20')
SS	S-6	0	2 4 4 6	24/24		9'-9.5': Moist to wet, medium stiff to stiff, grayish green, CLAY, some silt, trace sand.		10	2" PVC 10 Slot screen (10'-20')
SS	S-7	NM	3 5 5 5	24/22	SM	9.5'-11': Wet, medium stiff to stiff, grayish green, CLAY, some silt, little sand.			
SS	S-8	NM	2 3 2 4	24/24		11'-13': Moist to wet, loose to medium dense, brown to grayish green, fine SAND, some silt, little clay.			
SS	S-9	NM	WOH 3 4 4	24/24		13'-15': Moist to wet, loose, grayish green to brown, fine SAND, some silt, little to trace clay.		15	
SS	S-10	NM	2 4 4 3	24/24		15'-17': Wet, loose, grayish green, fine SAND, some silt, little clay. 17'-19': Same as above.			
						Bottom of exploration at 20' BGS.			Well bottom at 20'

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- AH - Air Hammer
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected at 7' BGS.

BGS: below ground surface
NM: not measured
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-6

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								20	BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

ATTACHMENT C

Soil Laboratory Analytical Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

August 19, 2009 10:59:11AM

Client: CDM Camp Dresser & McKee (Divestment)
50 Hampshire Street
Cambridge, MA 02139
Attn: Debra Beck

Work Order: NSH0724
Project Name: Exxon 27235
Project Nbr: 27235 - Annapolis, MD
P/O Nbr:
Date Received: 08/08/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW01(5254)	NSH0724-01	08/04/09 09:38

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.
Maryland Certification Number: 316

The Chain(s) of Custody, 4 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Gail A Lage

Program Manager - National Accounts

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH0724-01 (MW01(5254) - Soil) Sampled: 08/04/09 09:38								
General Chemistry Parameters								
% Dry Solids	**80.8**		%	0.500	1	08/19/09 10:38	SW-846	9082730
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00281	1	08/13/09 05:30	SW846 8260B	9080384
Ethylbenzene	ND		mg/kg dry	0.00281	1	08/13/09 05:30	SW846 8260B	9080384
Methyl tert-Butyl Ether	ND		mg/kg dry	0.00281	1	08/13/09 05:30	SW846 8260B	9080384
Toluene	ND		mg/kg dry	0.00281	1	08/13/09 05:30	SW846 8260B	9080384
Xylenes, total	ND		mg/kg dry	0.00702	1	08/13/09 05:30	SW846 8260B	9080384
Surr: 1,2-Dichloroethane-d4 (67-138%)	*106 %*					*08/13/09 05:30*	*SW846 8260B*	*9080384*
Surr: Dibromofluoromethane (75-125%)	*102 %*					*08/13/09 05:30*	*SW846 8260B*	*9080384*
Surr: Toluene-d8 (76-129%)	*96 %*					*08/13/09 05:30*	*SW846 8260B*	*9080384*
Surr: 4-Bromofluorobenzene (67-147%)	*97 %*					*08/13/09 05:30*	*SW846 8260B*	*9080384*
Extractable Petroleum Hydrocarbons								
Diesel	**6.31**		mg/kg dry	6.15	1	08/15/09 13:47	SW846 8015B	9082061
Surr: o-Terphenyl (29-141%)	*66 %*					*08/15/09 13:47*	*SW846 8015B*	*9082061*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg dry	5.38	50	08/10/09 23:30	SW846 8015B	9081414
Surr: a,a,a-Trifluorotoluene (52-145%)	*79 %*					*08/10/09 23:30*	*SW846 8015B*	*9081414*

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	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons							
SW846 8015B	9082061	NSH0724-01	25.14	1.00	08/14/09 07:15	AJF	EPA 3550B
Purgeable Petroleum Hydrocarbons							
SW846 8015B	9081414	NSH0724-01	5.75	5.00	08/04/09 09:38	JRL	EPA 5035A (GC)
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9080384	NSH0724-01	4.41	5.00	08/04/09 09:38	JRL	EPA 5035

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9080384-BLK1						
Benzene	<0.000670		mg/kg wet	9080384	9080384-BLK1	08/13/09 03:28
Ethylbenzene	<0.000670		mg/kg wet	9080384	9080384-BLK1	08/13/09 03:28
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9080384	9080384-BLK1	08/13/09 03:28
Toluene	<0.000400		mg/kg wet	9080384	9080384-BLK1	08/13/09 03:28
Xylenes, total	<0.00130		mg/kg wet	9080384	9080384-BLK1	08/13/09 03:28
Surrogate: 1,2-Dichloroethane-d4	103%			9080384	9080384-BLK1	08/13/09 03:28
Surrogate: Dibromofluoromethane	105%			9080384	9080384-BLK1	08/13/09 03:28
Surrogate: Toluene-d8	106%			9080384	9080384-BLK1	08/13/09 03:28
Surrogate: 4-Bromofluorobenzene	98%			9080384	9080384-BLK1	08/13/09 03:28
Extractable Petroleum Hydrocarbons						
9082061-BLK1						
Diesel	<2.00		mg/kg wet	9082061	9082061-BLK1	08/14/09 17:57
Surrogate: o-Terphenyl	64%			9082061	9082061-BLK1	08/14/09 17:57
Purgeable Petroleum Hydrocarbons						
9081414-BLK1						
GRO as Gasoline	1.06		mg/kg wet	9081414	9081414-BLK1	08/10/09 11:37
Surrogate: a,a,a-Trifluorotoluene	79%			9081414	9081414-BLK1	08/10/09 11:37

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THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

PROJECT QUALITY CONTROL DATA

Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9082730-DUP1										
% Dry Solids	80.8	81.8		%	1	20	9082730	NSH0724-01		08/19/09 10:38

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9080384-BS1								
Benzene	50.0	50.3		ug/kg	101%	78 - 126	9080384	08/13/09 01:56
Ethylbenzene	50.0	53.4		ug/kg	107%	79 - 130	9080384	08/13/09 01:56
Methyl tert-Butyl Ether	50.0	51.7		ug/kg	103%	70 - 128	9080384	08/13/09 01:56
Toluene	50.0	56.0		ug/kg	112%	76 - 126	9080384	08/13/09 01:56
Xylenes, total	150	165		ug/kg	110%	80 - 130	9080384	08/13/09 01:56
Surrogate: 1,2-Dichloroethane-d4	50.0	56.1			112%	67 - 138	9080384	08/13/09 01:56
Surrogate: Dibromofluoromethane	50.0	50.0			100%	75 - 125	9080384	08/13/09 01:56
Surrogate: Toluene-d8	50.0	54.3			109%	76 - 129	9080384	08/13/09 01:56
Surrogate: 4-Bromofluorobenzene	50.0	48.7			97%	67 - 147	9080384	08/13/09 01:56
Extractable Petroleum Hydrocarbons								
9082061-BS1								
Diesel	40.0	31.2		mg/kg wet	78%	55 - 123	9082061	08/15/09 14:39
Surrogate: o-Terphenyl	0.800	0.755			94%	29 - 141	9082061	08/15/09 14:39
Purgeable Petroleum Hydrocarbons								
9081414-BS1								
GRO as Gasoline	10.0	10.7		mg/kg wet	107%	71 - 125	9081414	08/11/09 05:17
Surrogate: a,a,a-Trifluorotoluene	30.0	26.9			90%	52 - 145	9081414	08/11/09 05:17

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9080384-BSD1												
Benzene		52.6		ug/kg	50.0	105%	78 - 126	4	50	9080384		08/13/09 02:26
Ethylbenzene		55.8		ug/kg	50.0	112%	79 - 130	4	50	9080384		08/13/09 02:26
Methyl tert-Butyl Ether		51.3		ug/kg	50.0	103%	70 - 128	0.8	50	9080384		08/13/09 02:26
Toluene		57.8		ug/kg	50.0	116%	76 - 126	3	50	9080384		08/13/09 02:26
Xylenes, total		172		ug/kg	150	115%	80 - 130	4	50	9080384		08/13/09 02:26
Surrogate: 1,2-Dichloroethane-d4		54.8		ug/kg	50.0	110%	67 - 138			9080384		08/13/09 02:26
Surrogate: Dibromofluoromethane		50.2		ug/kg	50.0	100%	75 - 125			9080384		08/13/09 02:26
Surrogate: Toluene-d8		53.6		ug/kg	50.0	107%	76 - 129			9080384		08/13/09 02:26
Surrogate: 4-Bromofluorobenzene		47.9		ug/kg	50.0	96%	67 - 147			9080384		08/13/09 02:26
Purgeable Petroleum Hydrocarbons												
9081414-BSD1												
GRO as Gasoline		10.9		mg/kg wet	10.0	109%	71 - 125	2	29	9081414		08/11/09 06:03
Surrogate: a,a,a-Trifluorotoluene		22.0		ug/L	30.0	73%	52 - 145			9081414		08/11/09 06:03

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Extractable Petroleum Hydrocarbons										
9082061-MS1										
Diesel	8.85	38.4		mg/kg dry	44.3	67%	10 - 154	9082061	NSH0747-04	08/15/09 17:02
Surrogate: o-Terphenyl		0.708		mg/kg dry	0.886	80%	29 - 141	9082061	NSH0747-04	08/15/09 17:02
Purgeable Petroleum Hydrocarbons										
9081414-MS1										
GRO as Gasoline	1.25	529		mg/kg wet	500	106%	32 - 150	9081414	NSH0664-07	08/10/09 16:32
Surrogate: a,a,a-Trifluorotoluene		29.4		ug/L	30.0	98%	52 - 145	9081414	NSH0664-07	08/10/09 16:32

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Extractable Petroleum Hydrocarbons												
9082061-MSD1												
Diesel	8.85	29.3		mg/kg dry	43.5	47%	10 - 154	27	48	9082061	NSH0747-04	08/17/09 12:27
Surrogate: o-Terphenyl		0.587		mg/kg dry	0.870	68%	29 - 141			9082061	NSH0747-04	08/17/09 12:27
Purgeable Petroleum Hydrocarbons												
9081414-MSD1												
GRO as Gasoline	1.25	524		mg/kg wet	500	105%	32 - 150	0.8	29	9081414	NSH0664-07	08/10/09 17:13
Surrogate: a,a,a-Trifluorotoluene		29.2		ug/L	30.0	97%	52 - 145			9081414	NSH0664-07	08/10/09 17:13

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Maryland
SW846 8015B	Soil	N/A	X	N/A
SW846 8260B	Soil	N/A	X	N/A
SW-846	Soil			

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH0724
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/08/09 08:30

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

XOM Phase II - Sample Parameter Table

Site ID: Station 27235
Address: 1000 Forest Drive
City: Annapolis

		SOIL SAMPLING						
		EPA 8260B		EPA 8015				
Soil Boring ID:	Sample Depth	EPA 8260B (BTEX/MTBE Only)	EPA 8260B (Full Analyte List)	EPA 8015 (GRO)	EPA 8015 (DRO)	EPA 8015 (Oil Range Organics (ORO))	RCRA 8 Metals	EPA 8270 (PAHs)
MW-1	Highest PID or at water table	X ✓		X ✓	X ✓			
MW-2	Highest PID or at water table	X		X	X			
MW-3	Highest PID or at water table	X		X	X			
MW-4	Highest PID or at water table	X		X	X			
MW-5	Highest PID or at water table	X		X	X			
MW-6	Highest PID or at water table	X		X	X		X	

NJA0724-01

XOM Phase II - Sample Parameter Table

Site ID: Station 27235
Address: 1000 Forest Drive
City: Annapolis

		SOIL SAMPLING						
		EPA 8260B		EPA 8015				
Soil Boring ID:	Sample Depth	EPA 8260B (BTEX/MTBE Only)	EPA 8260B (Full Analyte List)	EPA 8015 (GRO)	EPA 8015 (DRO)	EPA 8015 (Oil Range Organics (ORO))	RCRA 8 Metals	EPA 8270 (PAHs)
MW-1	Highest PID or at water table	X ✓		X ✓	X ✓			
MW-2	Highest PID or at water table	X		X	X			
MW-3	Highest PID or at water table	X		X	X			
MW-4	Highest PID or at water table	X		X	X			
MW-5	Highest PID or at water table	X		X	X			
MW-6	Highest PID or at water table	X		X	X		X	

NSH0724-01

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

ExxonMobil

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print) Helen Kümmel L. Haase
SamplerSignature: [signature]

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: - XOM - Annapolis, - 27235
Facility ID: [none]
Site Address: 1000 Forest Dr.
City,State,Zip: Annapolis Maryland
Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B Volatile Organics	8270C Polyaromatic Hydrocarbons	Barium Total EPA 6010B	Priority Pollutant Metals SW846	Solids Percent Dry Weight	TPH - Diesel Range SW846 8015B	TPH-Gasoline Range SW8015	NSH0724 08/17/09 23:59	AT (Pre Schedule)*
MW01 (5254)	080409	9:38	05	X			X	X											X		X						X		

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager _____ Date: _____
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15624

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Helen Kümmel Haase	080409	13:43	Karthick Poorna	8/7/09	1345			
Shipped Via:			Shipped Via:					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
[signature]	8-7-09	1746		VOCs Free of Headspace? Y N				
[signature]	8/8	9:30						

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville TN

COOLER RECEIPT

NSH0724

Cooler Received/Opened On 8/8/2009 @ 0830

1. Tracking # 5136 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 97460373

2 Temperature of rep sample or temp blank when opened: 5.7 *Degrees Celsius*

3 If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) NO NA

If yes, how many and where: 1 (front)

5. Were the seals intact, signed, and dated correctly? (YES) NO NA

6 Were custody papers inside cooler? (YES) NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7 Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES NO (NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10 Did all containers arrive in good condition (unbroken)? (YES) NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES) NO NA

12 Did all container labels and tags agree with custody papers? (YES) NO NA

13a Were VOA vials received? (YES) NO NA

b. Was there any observable headspace present in any VOA vial? YES NO (NA)

14. Was there a Trip Blank in this cooler? YES (NO) NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES) NO NA

16 Was residual chlorine present? YES NO (NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES) NO NA

18. Did you sign the custody papers in the appropriate place? (YES) NO NA

19. Were correct containers used for the analysis requested? (YES) NO NA

20 Was sufficient amount of sample sent in each container? (YES) NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES (NO) # _____

BIS = Broken in shipment
Cooler Receipt Form doc

LF-1
End of Form

Revised 6 24 09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

August 26, 2009 9:20:54AM

Client: CDM Camp Dresser & McKee (Divestment)
50 Hampshire Street
Cambridge, MA 02139
Attn: Debra Beck

Work Order: NSG2141
Project Name: Exxon 27235
Project Nbr: 27235 - Annapolis, MD
P/O Nbr:
Date Received: 07/25/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW3 (6-6.5)	NSG2141-02	07/24/09 12:00

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
Report was revised on 8/26/09 to add a case narrative per client's request. This final report replaces the final report generated on 8/5/09.

All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

The metals MS/MSD were analyzed on a sample from another delivery group with recoveries and/or RPDs that were outside QC limits for arsenic, cadmium, lead, selenium and silver. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.

The mercury MS/MSD were analyzed on a sample from another delivery group with RPDs that were outside QC limits. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.

The semi-volatile PAH MS/MSD were analyzed on sample NSH2141-02 (MW3 (6-6.5)) with recoveries and RPDs that were outside QC limits for naphthalene. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.

The volatile surrogate, toluene-8, recovery in sample the MSD was outside QC limits due to sample matrix.
Maryland Certification Number: 316
The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

Gail A Lage

Program Manager - National Accounts

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG2141-02 (MW3 (6-6.5) - Soil) Sampled: 07/24/09 12:00								
General Chemistry Parameters								
% Dry Solids	**76.8**		%	0.500	1	07/29/09 10:24	SW-846	9074037
Total Metals by EPA Method 6010B								
Arsenic	**4.31**		mg/kg dry	1.27	1	07/31/09 10:15	SW846 6010B	9074168
Barium	**9.22**		mg/kg dry	2.55	1	07/31/09 10:15	SW846 6010B	9074168
Cadmium	ND		mg/kg dry	1.27	1	07/31/09 10:15	SW846 6010B	9074168
Chromium	**27.8**		mg/kg dry	1.27	1	07/31/09 10:15	SW846 6010B	9074168
Lead	**1.91**		mg/kg dry	1.27	1	07/31/09 10:15	SW846 6010B	9074168
Selenium	ND		mg/kg dry	2.55	1	07/31/09 10:15	SW846 6010B	9074168
Silver	ND		mg/kg dry	1.27	1	07/31/09 10:15	SW846 6010B	9074168
Mercury by EPA Methods 7470A/7471A								
Mercury	ND		mg/kg dry	0.130	1	07/31/09 12:27	SW846 7471A	9074384
Volatile Organic Compounds by EPA Method 8260B								
Acetone	**0.0805**		mg/kg dry	0.0696	1	07/30/09 17:07	SW846 8260B	9073757
Benzene	**0.452**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
Bromobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Bromochloromethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Bromodichloromethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Bromoform	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Bromomethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
2-Butanone	ND		mg/kg dry	0.0696	1	07/30/09 17:07	SW846 8260B	9073757
sec-Butylbenzene	**0.0898**		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
n-Butylbenzene	**0.531**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
tert-Butylbenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Carbon disulfide	ND		mg/kg dry	0.00696	1	07/30/09 17:07	SW846 8260B	9073757
Carbon Tetrachloride	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Chlorobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Chlorodibromomethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Chloroethane	ND		mg/kg dry	0.00696	1	07/30/09 17:07	SW846 8260B	9073757
Chloroform	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Chloromethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
2-Chlorotoluene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
4-Chlorotoluene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,2-Dibromo-3-chloropropane	ND		mg/kg dry	0.00696	1	07/30/09 17:07	SW846 8260B	9073757
1,2-Dibromoethane (EDB)	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Dibromomethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,4-Dichlorobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,3-Dichlorobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,2-Dichlorobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Dichlorodifluoromethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,1-Dichloroethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,2-Dichloroethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
cis-1,2-Dichloroethene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG2141-02 (MW3 (6-6.5) - Soil) - cont. Sampled: 07/24/09 12:00								
Volatile Organic Compounds by EPA Method 8260B - cont.								
1,1-Dichloroethene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
trans-1,2-Dichloroethene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,3-Dichloropropane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,2-Dichloropropane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
2,2-Dichloropropane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
cis-1,3-Dichloropropene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
trans-1,3-Dichloropropene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,1-Dichloropropene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Ethylbenzene	**2.98**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
Hexachlorobutadiene	ND		mg/kg dry	0.00696	1	07/30/09 17:07	SW846 8260B	9073757
2-Hexanone	ND		mg/kg dry	0.0696	1	07/30/09 17:07	SW846 8260B	9073757
Isopropylbenzene	**0.304**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
p-Isopropyltoluene	**0.0547**		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Methyl tert-Butyl Ether	**0.00358**		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Methylene Chloride	ND		mg/kg dry	0.0139	1	07/30/09 17:07	SW846 8260B	9073757
4-Methyl-2-pentanone	ND		mg/kg dry	0.0696	1	07/30/09 17:07	SW846 8260B	9073757
Naphthalene	**1.38**		mg/kg dry	0.374	50	07/31/09 05:22	SW846 8260B	9074689
n-Propylbenzene	**1.10**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
Styrene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,1,1,2-Tetrachloroethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,1,2,2-Tetrachloroethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Tetrachloroethene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Toluene	**5.44**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
1,2,3-Trichlorobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,2,4-Trichlorobenzene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,1,2-Trichloroethane	ND		mg/kg dry	0.00696	1	07/30/09 17:07	SW846 8260B	9073757
1,1,1-Trichloroethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Trichloroethene	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Trichlorofluoromethane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,2,3-Trichloropropane	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
1,3,5-Trimethylbenzene	**1.78**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
1,2,4-Trimethylbenzene	**6.32**		mg/kg dry	0.150	50	07/31/09 05:22	SW846 8260B	9074689
Vinyl chloride	ND		mg/kg dry	0.00278	1	07/30/09 17:07	SW846 8260B	9073757
Xylenes, total	**14.5**		mg/kg dry	0.374	50	07/31/09 05:22	SW846 8260B	9074689
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*07/30/09 17:07*	*SW846 8260B*	*9073757*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*93 %*					*07/31/09 05:22*	*SW846 8260B*	*9074689*
Surr: Dibromofluoromethane (75-125%)	*104 %*					*07/30/09 17:07*	*SW846 8260B*	*9073757*
Surr: Dibromofluoromethane (75-125%)	*94 %*					*07/31/09 05:22*	*SW846 8260B*	*9074689*
Surr: Toluene-d8 (76-129%)	*100 %*					*07/30/09 17:07*	*SW846 8260B*	*9073757*
Surr: Toluene-d8 (76-129%)	*97 %*					*07/31/09 05:22*	*SW846 8260B*	*9074689*
Surr: 4-Bromofluorobenzene (67-147%)	*107 %*					*07/30/09 17:07*	*SW846 8260B*	*9073757*
Surr: 4-Bromofluorobenzene (67-147%)	*99 %*					*07/31/09 05:22*	*SW846 8260B*	*9074689*
Polyaromatic Hydrocarbons by EPA 8270C								

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSG2141-02 (MW3 (6-6.5) - Soil) - cont. Sampled: 07/24/09 12:00								
Polyaromatic Hydrocarbons by EPA 8270C - cont.								
Acenaphthene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Acenaphthylene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Anthracene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Benzo (a) anthracene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Benzo (a) pyrene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Benzo (b) fluoranthene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Benzo (g,h,i) perylene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Benzo (k) fluoranthene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Chrysene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Dibenz (a,h) anthracene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Fluoranthene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Fluorene	**0.106**		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Indeno (1,2,3-cd) pyrene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Naphthalene	**1.76**	M1	mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Phenanthrene	**0.189**		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Pyrene	ND		mg/kg dry	0.0849	1	08/03/09 03:34	SW846 8270C	9074490
Surr: Terphenyl-d14 (18-120%)	*66 %*					*08/03/09 03:34*	*SW846 8270C*	*9074490*
Surr: 2-Fluorobiphenyl (14-120%)	*55 %*					*08/03/09 03:34*	*SW846 8270C*	*9074490*
Surr: Nitrobenzene-d5 (17-120%)	*59 %*					*08/03/09 03:34*	*SW846 8270C*	*9074490*
Extractable Petroleum Hydrocarbons								
Diesel	**356**		mg/kg dry	50.8	10	08/05/09 13:47	SW846 8015B	9073830
TPH - Oil Range	ND		mg/kg dry	50.8	10	08/05/09 13:47	SW846 8015B	9073830
Surr: o-Terphenyl (29-141%)	*	*Z3*				*08/05/09 13:47*	*SW846 8015B*	*9073830*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**335**		mg/kg dry	30.7	50	07/29/09 03:12	SW846 8015B	9073778
Surr: a,a,a-Trifluorotoluene (52-145%)	*69 %*					*07/29/09 03:12*	*SW846 8015B*	*9073778*

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons							
SW846 8015B	9073830	NSG2141-02	25.63	1.00	07/29/09 08:40	DXP	EPA 3550B
SW846 8015B	9073830	NSG2141-02RE1	25.63	1.00	07/29/09 08:40	DXP	EPA 3550B
Mercury by EPA Methods 7470A/7471A							
SW846 7471A	9074384	NSG2141-02	0.60	100.00	07/30/09 08:04	KKK	EPA 7471
Polyaromatic Hydrocarbons by EPA 8270C							
SW846 8270C	9074490	NSG2141-02	30.83	1.00	07/31/09 10:35	AJF	EPA 3550C
Purgeable Petroleum Hydrocarbons							
SW846 8015B	9073778	NSG2141-02	1.06	5.00	07/24/09 12:00	CHH	EPA 5035A (GC)
Total Metals by EPA Method 6010B							
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
SW846 6010B	9074168	NSG2141-02	0.51	100.00	07/30/09 10:00	BTS	EPA 3051A/6010
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9073757	NSG2141-02	4.68	5.00	07/24/09 12:00	CHH	EPA 5035
SW846 8260B	9074689	NSG2141-02RE1	4.35	5.00	07/24/09 12:00	CHH	EPA 5035

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Total Metals by EPA Method 6010B						
9074168-BLK1						
Arsenic	<0.694		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Barium	0.278		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Cadmium	<0.198		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Chromium	<0.496		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Lead	0.611		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Selenium	<0.694		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Silver	<0.496		mg/kg wet	9074168	9074168-BLK1	07/31/09 08:16
Mercury by EPA Methods 7470A/7471A						
9074384-BLK1						
Mercury	<0.0400		mg/kg wet	9074384	9074384-BLK1	07/31/09 11:35
Volatile Organic Compounds by EPA Method 8260B						
9073757-BLK1						
Acetone	<0.0250		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Benzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Bromobenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Bromochloromethane	<0.00102		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Bromodichloromethane	<0.000400		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Bromoform	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Bromomethane	<0.000640		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
2-Butanone	<0.0170		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
sec-Butylbenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
n-Butylbenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
tert-Butylbenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Carbon disulfide	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Carbon Tetrachloride	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Chlorobenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Chlorodibromomethane	<0.000380		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Chloroethane	<0.000420		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Chloroform	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Chloromethane	<0.00100		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
2-Chlorotoluene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
4-Chlorotoluene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2-Dibromo-3-chloropropane	<0.00340		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2-Dibromoethane (EDB)	<0.000520		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Dibromomethane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,4-Dichlorobenzene	<0.000720		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,3-Dichlorobenzene	<0.000430		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2-Dichlorobenzene	<0.000430		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Dichlorodifluoromethane	<0.00160		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04

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PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9073757-BLK1						
1,1-Dichloroethane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2-Dichloroethane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
cis-1,2-Dichloroethene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,1-Dichloroethene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
trans-1,2-Dichloroethene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,3-Dichloropropane	<0.000450		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2-Dichloropropane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
2,2-Dichloropropane	<0.000780		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
cis-1,3-Dichloropropene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
trans-1,3-Dichloropropene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,1-Dichloropropene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Ethylbenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Hexachlorobutadiene	<0.000630		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
2-Hexanone	<0.0170		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Isopropylbenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
p-Isopropyltoluene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Methylene Chloride	<0.00200		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
4-Methyl-2-pentanone	<0.00290		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Naphthalene	<0.00170		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
n-Propylbenzene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Styrene	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,1,1,2-Tetrachloroethane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,1,2,2-Tetrachloroethane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Tetrachloroethene	<0.000400		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Toluene	<0.000400		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2,3-Trichlorobenzene	<0.000920		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2,4-Trichlorobenzene	<0.00102		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,1,2-Trichloroethane	<0.00111		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,1,1-Trichloroethane	<0.000400		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Trichloroethene	<0.000830		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Trichlorofluoromethane	<0.000670		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2,3-Trichloropropane	<0.00103		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,3,5-Trimethylbenzene	<0.000400		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
1,2,4-Trimethylbenzene	<0.000420		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Vinyl chloride	<0.000820		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Xylenes, total	<0.00130		mg/kg wet	9073757	9073757-BLK1	07/30/09 15:04
Surrogate: 1,2-Dichloroethane-d4	98%			9073757	9073757-BLK1	07/30/09 15:04
Surrogate: Dibromofluoromethane	98%			9073757	9073757-BLK1	07/30/09 15:04
Surrogate: Toluene-d8	96%			9073757	9073757-BLK1	07/30/09 15:04
Surrogate: 4-Bromofluorobenzene	97%			9073757	9073757-BLK1	07/30/09 15:04

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9074689-BLK1						
Acetone	<0.0250		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Benzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Bromobenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Bromochloromethane	<0.00102		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Bromodichloromethane	<0.000400		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Bromoform	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Bromomethane	<0.000640		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
2-Butanone	<0.0170		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
sec-Butylbenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
n-Butylbenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
tert-Butylbenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Carbon disulfide	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Carbon Tetrachloride	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Chlorobenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Chlorodibromomethane	<0.000380		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Chloroethane	<0.000420		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Chloroform	0.00153		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Chloromethane	<0.00100		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
2-Chlorotoluene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
4-Chlorotoluene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2-Dibromo-3-chloropropane	<0.00340		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2-Dibromoethane (EDB)	<0.000520		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Dibromomethane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,4-Dichlorobenzene	<0.000720		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,3-Dichlorobenzene	<0.000430		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2-Dichlorobenzene	<0.000430		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Dichlorodifluoromethane	<0.00160		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1-Dichloroethane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2-Dichloroethane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
cis-1,2-Dichloroethene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1-Dichloroethene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
trans-1,2-Dichloroethene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,3-Dichloropropane	<0.000450		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2-Dichloropropane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
2,2-Dichloropropane	<0.000780		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
cis-1,3-Dichloropropene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
trans-1,3-Dichloropropene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1-Dichloropropene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Ethylbenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Hexachlorobutadiene	<0.000630		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
2-Hexanone	<0.0170		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9074689-BLK1						
Isopropylbenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
p-Isopropyltoluene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Methylene Chloride	<0.00200		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
4-Methyl-2-pentanone	<0.00290		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Naphthalene	<0.00170		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
n-Propylbenzene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Styrene	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1,1,2-Tetrachloroethane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1,2,2-Tetrachloroethane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Tetrachloroethene	<0.000400		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Toluene	0.000410		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2,3-Trichlorobenzene	<0.000920		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2,4-Trichlorobenzene	<0.00102		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1,2-Trichloroethane	<0.00111		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,1,1-Trichloroethane	<0.000400		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Trichloroethene	<0.000830		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Trichlorofluoromethane	<0.000670		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2,3-Trichloropropane	<0.00103		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,3,5-Trimethylbenzene	<0.000400		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
1,2,4-Trimethylbenzene	<0.000420		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Vinyl chloride	<0.000820		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Xylenes, total	<0.00130		mg/kg wet	9074689	9074689-BLK1	07/31/09 01:48
Surrogate: 1,2-Dichloroethane-d4	104%			9074689	9074689-BLK1	07/31/09 01:48
Surrogate: Dibromofluoromethane	98%			9074689	9074689-BLK1	07/31/09 01:48
Surrogate: Toluene-d8	97%			9074689	9074689-BLK1	07/31/09 01:48
Surrogate: 4-Bromofluorobenzene	95%			9074689	9074689-BLK1	07/31/09 01:48
Polyaromatic Hydrocarbons by EPA 8270C						
9074490-BLK1						
Acenaphthene	<0.0320		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Acenaphthylene	<0.0310		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Anthracene	<0.0330		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Benzo (a) anthracene	<0.0380		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Benzo (a) pyrene	<0.0300		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Benzo (b) fluoranthene	<0.0300		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Benzo (g,h,i) perylene	<0.0300		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Benzo (k) fluoranthene	<0.0300		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Chrysene	<0.0400		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Dibenz (a,h) anthracene	<0.0310		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Fluoranthene	<0.0340		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C						
9074490-BLK1						
Fluorene	<0.0360		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Indeno (1,2,3-cd) pyrene	<0.0310		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Naphthalene	<0.0410		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Phenanthrene	<0.0340		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Pyrene	<0.0410		mg/kg wet	9074490	9074490-BLK1	08/02/09 23:50
Surrogate: Terphenyl-d14	86%			9074490	9074490-BLK1	08/02/09 23:50
Surrogate: 2-Fluorobiphenyl	73%			9074490	9074490-BLK1	08/02/09 23:50
Surrogate: Nitrobenzene-d5	69%			9074490	9074490-BLK1	08/02/09 23:50
Extractable Petroleum Hydrocarbons						
9073830-BLK1						
Diesel	<2.00		mg/kg wet	9073830	9073830-BLK1	07/30/09 16:54
TPH - Oil Range	<2.00		mg/kg wet	9073830	9073830-BLK1	07/30/09 16:54
Surrogate: o-Terphenyl	126%			9073830	9073830-BLK1	07/30/09 16:54
Purgeable Petroleum Hydrocarbons						
9073778-BLK1						
GRO as Gasoline	1.97		mg/kg wet	9073778	9073778-BLK1	07/29/09 01:49
Surrogate: a,a,a-Trifluorotoluene	68%			9073778	9073778-BLK1	07/29/09 01:49

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9074037-DUP1										
% Dry Solids	82.0	81.7		%	0.4	20	9074037	NSG2131-01		07/29/09 10:24

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Total Metals by EPA Method 6010B								
9074168-BS1								
Arsenic	20.0	19.7		mg/kg wet	98%	80 - 120	9074168	07/31/09 08:21
Barium	800	816		mg/kg wet	102%	80 - 120	9074168	07/31/09 08:21
Cadmium	20.0	20.1		mg/kg wet	100%	80 - 120	9074168	07/31/09 08:21
Chromium	80.0	83.5		mg/kg wet	104%	80 - 120	9074168	07/31/09 08:21
Lead	20.0	20.6		mg/kg wet	103%	80 - 120	9074168	07/31/09 08:21
Selenium	20.0	20.6		mg/kg wet	103%	80 - 120	9074168	07/31/09 08:21
Silver	20.0	20.7		mg/kg wet	103%	75 - 125	9074168	07/31/09 08:21
Mercury by EPA Methods 7470A/7471A								
9074384-BS1								
Mercury	0.167	0.168		mg/kg wet	101%	80 - 120	9074384	07/31/09 11:37
Volatile Organic Compounds by EPA Method 8260B								
9073757-BS1								
Acetone	250	274		ug/kg	110%	60 - 150	9073757	07/30/09 13:19
Benzene	50.0	54.6		ug/kg	109%	78 - 126	9073757	07/30/09 13:19
Bromobenzene	50.0	54.3		ug/kg	109%	79 - 126	9073757	07/30/09 13:19
Bromochloromethane	50.0	57.3		ug/kg	115%	78 - 126	9073757	07/30/09 13:19
Bromodichloromethane	50.0	51.9		ug/kg	104%	75 - 129	9073757	07/30/09 13:19
Bromoform	50.0	57.6		ug/kg	115%	74 - 133	9073757	07/30/09 13:19
Bromomethane	50.0	31.2		ug/kg	62%	50 - 150	9073757	07/30/09 13:19
2-Butanone	250	293		ug/kg	117%	68 - 149	9073757	07/30/09 13:19
sec-Butylbenzene	50.0	60.9		ug/kg	122%	76 - 135	9073757	07/30/09 13:19
n-Butylbenzene	50.0	62.8		ug/kg	126%	73 - 143	9073757	07/30/09 13:19
tert-Butylbenzene	50.0	60.3		ug/kg	121%	80 - 129	9073757	07/30/09 13:19
Carbon disulfide	50.0	59.1		ug/kg	118%	80 - 132	9073757	07/30/09 13:19
Carbon Tetrachloride	50.0	55.8		ug/kg	112%	70 - 138	9073757	07/30/09 13:19
Chlorobenzene	50.0	55.5		ug/kg	111%	80 - 123	9073757	07/30/09 13:19
Chlorodibromomethane	50.0	56.8		ug/kg	114%	80 - 127	9073757	07/30/09 13:19
Chloroethane	50.0	54.6		ug/kg	109%	55 - 150	9073757	07/30/09 13:19
Chloroform	50.0	48.9		ug/kg	98%	70 - 127	9073757	07/30/09 13:19
Chloromethane	50.0	42.7		ug/kg	85%	36 - 137	9073757	07/30/09 13:19
2-Chlorotoluene	50.0	57.2		ug/kg	114%	80 - 130	9073757	07/30/09 13:19
4-Chlorotoluene	50.0	58.2		ug/kg	116%	77 - 132	9073757	07/30/09 13:19
1,2-Dibromo-3-chloropropane	50.0	63.6		ug/kg	127%	62 - 150	9073757	07/30/09 13:19
1,2-Dibromoethane (EDB)	50.0	57.0		ug/kg	114%	80 - 131	9073757	07/30/09 13:19
Dibromomethane	50.0	56.7		ug/kg	113%	78 - 128	9073757	07/30/09 13:19
1,4-Dichlorobenzene	50.0	61.0		ug/kg	122%	80 - 129	9073757	07/30/09 13:19
1,3-Dichlorobenzene	50.0	60.7		ug/kg	121%	80 - 131	9073757	07/30/09 13:19
1,2-Dichlorobenzene	50.0	59.8		ug/kg	120%	80 - 127	9073757	07/30/09 13:19
Dichlorodifluoromethane	50.0	69.1		ug/kg	138%	30 - 150	9073757	07/30/09 13:19

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9073757-BS1								
1,1-Dichloroethane	50.0	53.7		ug/kg	107%	71 - 126	9073757	07/30/09 13:19
1,2-Dichloroethane	50.0	52.6		ug/kg	105%	70 - 139	9073757	07/30/09 13:19
cis-1,2-Dichloroethene	50.0	53.6		ug/kg	107%	75 - 126	9073757	07/30/09 13:19
1,1-Dichloroethene	50.0	57.7		ug/kg	115%	70 - 125	9073757	07/30/09 13:19
trans-1,2-Dichloroethene	50.0	54.7		ug/kg	109%	73 - 128	9073757	07/30/09 13:19
1,3-Dichloropropane	50.0	54.8		ug/kg	110%	79 - 128	9073757	07/30/09 13:19
1,2-Dichloropropane	50.0	50.2		ug/kg	100%	75 - 120	9073757	07/30/09 13:19
2,2-Dichloropropane	50.0	52.4		ug/kg	105%	60 - 139	9073757	07/30/09 13:19
cis-1,3-Dichloropropene	50.0	54.1		ug/kg	108%	74 - 136	9073757	07/30/09 13:19
trans-1,3-Dichloropropene	50.0	54.3		ug/kg	109%	73 - 128	9073757	07/30/09 13:19
1,1-Dichloropropene	50.0	56.3		ug/kg	113%	78 - 125	9073757	07/30/09 13:19
Ethylbenzene	50.0	58.1		ug/kg	116%	79 - 130	9073757	07/30/09 13:19
Hexachlorobutadiene	50.0	70.6		ug/kg	141%	75 - 150	9073757	07/30/09 13:19
2-Hexanone	250	290		ug/kg	116%	65 - 150	9073757	07/30/09 13:19
Isopropylbenzene	50.0	59.8		ug/kg	120%	65 - 121	9073757	07/30/09 13:19
p-Isopropyltoluene	50.0	61.2		ug/kg	122%	76 - 133	9073757	07/30/09 13:19
Methyl tert-Butyl Ether	50.0	54.6		ug/kg	109%	70 - 128	9073757	07/30/09 13:19
Methylene Chloride	50.0	59.4		ug/kg	119%	69 - 140	9073757	07/30/09 13:19
4-Methyl-2-pentanone	250	281		ug/kg	113%	67 - 147	9073757	07/30/09 13:19
Naphthalene	50.0	64.8		ug/kg	130%	72 - 150	9073757	07/30/09 13:19
n-Propylbenzene	50.0	57.9		ug/kg	116%	76 - 133	9073757	07/30/09 13:19
Styrene	50.0	60.4		ug/kg	121%	80 - 140	9073757	07/30/09 13:19
1,1,1,2-Tetrachloroethane	50.0	55.8		ug/kg	112%	80 - 132	9073757	07/30/09 13:19
1,1,2,2-Tetrachloroethane	50.0	53.6		ug/kg	107%	75 - 135	9073757	07/30/09 13:19
Tetrachloroethene	50.0	63.6		ug/kg	127%	76 - 130	9073757	07/30/09 13:19
Toluene	50.0	55.6		ug/kg	111%	76 - 126	9073757	07/30/09 13:19
1,2,3-Trichlorobenzene	50.0	66.2		ug/kg	132%	75 - 150	9073757	07/30/09 13:19
1,2,4-Trichlorobenzene	50.0	71.8		ug/kg	144%	64 - 150	9073757	07/30/09 13:19
1,1,2-Trichloroethane	50.0	52.7		ug/kg	105%	73 - 133	9073757	07/30/09 13:19
1,1,1-Trichloroethane	50.0	53.5		ug/kg	107%	70 - 132	9073757	07/30/09 13:19
Trichloroethene	50.0	58.0		ug/kg	116%	79 - 129	9073757	07/30/09 13:19
Trichlorofluoromethane	50.0	58.9		ug/kg	118%	52 - 148	9073757	07/30/09 13:19
1,2,3-Trichloropropane	50.0	51.4		ug/kg	103%	70 - 125	9073757	07/30/09 13:19
1,3,5-Trimethylbenzene	50.0	60.6		ug/kg	121%	80 - 134	9073757	07/30/09 13:19
1,2,4-Trimethylbenzene	50.0	61.4		ug/kg	123%	80 - 132	9073757	07/30/09 13:19
Vinyl chloride	50.0	58.1		ug/kg	116%	53 - 142	9073757	07/30/09 13:19
Xylenes, total	150	175		ug/kg	117%	80 - 130	9073757	07/30/09 13:19
Surrogate: 1,2-Dichloroethane-d4	50.0	51.9			104%	67 - 138	9073757	07/30/09 13:19
Surrogate: Dibromofluoromethane	50.0	49.4			99%	75 - 125	9073757	07/30/09 13:19
Surrogate: Toluene-d8	50.0	48.7			97%	76 - 129	9073757	07/30/09 13:19
Surrogate: 4-Bromofluorobenzene	50.0	49.9			100%	67 - 147	9073757	07/30/09 13:19

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9074689-BS1								
Acetone	250	224		ug/kg	90%	60 - 150	9074689	07/31/09 00:16
Benzene	50.0	48.0		ug/kg	96%	78 - 126	9074689	07/31/09 00:16
Bromobenzene	50.0	47.4		ug/kg	95%	79 - 126	9074689	07/31/09 00:16
Bromochloromethane	50.0	51.2		ug/kg	102%	78 - 126	9074689	07/31/09 00:16
Bromodichloromethane	50.0	45.0		ug/kg	90%	75 - 129	9074689	07/31/09 00:16
Bromoform	50.0	49.0		ug/kg	98%	74 - 133	9074689	07/31/09 00:16
Bromomethane	50.0	33.2		ug/kg	66%	50 - 150	9074689	07/31/09 00:16
2-Butanone	250	243		ug/kg	97%	68 - 149	9074689	07/31/09 00:16
sec-Butylbenzene	50.0	51.2		ug/kg	102%	76 - 135	9074689	07/31/09 00:16
n-Butylbenzene	50.0	51.6		ug/kg	103%	73 - 143	9074689	07/31/09 00:16
tert-Butylbenzene	50.0	53.3		ug/kg	107%	80 - 129	9074689	07/31/09 00:16
Carbon disulfide	50.0	48.9		ug/kg	98%	80 - 132	9074689	07/31/09 00:16
Carbon Tetrachloride	50.0	51.0		ug/kg	102%	70 - 138	9074689	07/31/09 00:16
Chlorobenzene	50.0	48.4		ug/kg	97%	80 - 123	9074689	07/31/09 00:16
Chlorodibromomethane	50.0	50.8		ug/kg	102%	80 - 127	9074689	07/31/09 00:16
Chloroethane	50.0	46.8		ug/kg	94%	55 - 150	9074689	07/31/09 00:16
Chloroform	50.0	44.9		ug/kg	90%	70 - 127	9074689	07/31/09 00:16
Chloromethane	50.0	33.2		ug/kg	66%	36 - 137	9074689	07/31/09 00:16
2-Chlorotoluene	50.0	49.7		ug/kg	99%	80 - 130	9074689	07/31/09 00:16
4-Chlorotoluene	50.0	49.0		ug/kg	98%	77 - 132	9074689	07/31/09 00:16
1,2-Dibromo-3-chloropropane	50.0	51.2		ug/kg	102%	62 - 150	9074689	07/31/09 00:16
1,2-Dibromoethane (EDB)	50.0	50.0		ug/kg	100%	80 - 131	9074689	07/31/09 00:16
Dibromomethane	50.0	49.5		ug/kg	99%	78 - 128	9074689	07/31/09 00:16
1,4-Dichlorobenzene	50.0	50.3		ug/kg	101%	80 - 129	9074689	07/31/09 00:16
1,3-Dichlorobenzene	50.0	51.4		ug/kg	103%	80 - 131	9074689	07/31/09 00:16
1,2-Dichlorobenzene	50.0	51.3		ug/kg	103%	80 - 127	9074689	07/31/09 00:16
Dichlorodifluoromethane	50.0	57.5		ug/kg	115%	30 - 150	9074689	07/31/09 00:16
1,1-Dichloroethane	50.0	47.9		ug/kg	96%	71 - 126	9074689	07/31/09 00:16
1,2-Dichloroethane	50.0	47.7		ug/kg	95%	70 - 139	9074689	07/31/09 00:16
cis-1,2-Dichloroethene	50.0	48.0		ug/kg	96%	75 - 126	9074689	07/31/09 00:16
1,1-Dichloroethene	50.0	51.4		ug/kg	103%	70 - 125	9074689	07/31/09 00:16
trans-1,2-Dichloroethene	50.0	48.2		ug/kg	96%	73 - 128	9074689	07/31/09 00:16
1,3-Dichloropropane	50.0	47.0		ug/kg	94%	79 - 128	9074689	07/31/09 00:16
1,2-Dichloropropane	50.0	44.7		ug/kg	89%	75 - 120	9074689	07/31/09 00:16
2,2-Dichloropropane	50.0	47.8		ug/kg	96%	60 - 139	9074689	07/31/09 00:16
cis-1,3-Dichloropropene	50.0	46.9		ug/kg	94%	74 - 136	9074689	07/31/09 00:16
trans-1,3-Dichloropropene	50.0	46.5		ug/kg	93%	73 - 128	9074689	07/31/09 00:16
1,1-Dichloropropene	50.0	48.4		ug/kg	97%	78 - 125	9074689	07/31/09 00:16
Ethylbenzene	50.0	50.0		ug/kg	100%	79 - 130	9074689	07/31/09 00:16
Hexachlorobutadiene	50.0	55.9		ug/kg	112%	75 - 150	9074689	07/31/09 00:16
2-Hexanone	250	235		ug/kg	94%	65 - 150	9074689	07/31/09 00:16

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9074689-BS1								
Isopropylbenzene	50.0	50.8		ug/kg	102%	65 - 121	9074689	07/31/09 00:16
p-Isopropyltoluene	50.0	50.7		ug/kg	101%	76 - 133	9074689	07/31/09 00:16
Methyl tert-Butyl Ether	50.0	50.6		ug/kg	101%	70 - 128	9074689	07/31/09 00:16
Methylene Chloride	50.0	51.2		ug/kg	102%	69 - 140	9074689	07/31/09 00:16
4-Methyl-2-pentanone	250	231		ug/kg	92%	67 - 147	9074689	07/31/09 00:16
Naphthalene	50.0	54.8		ug/kg	110%	72 - 150	9074689	07/31/09 00:16
n-Propylbenzene	50.0	48.7		ug/kg	97%	76 - 133	9074689	07/31/09 00:16
Styrene	50.0	50.4		ug/kg	101%	80 - 140	9074689	07/31/09 00:16
1,1,1,2-Tetrachloroethane	50.0	49.4		ug/kg	99%	80 - 132	9074689	07/31/09 00:16
1,1,2,2-Tetrachloroethane	50.0	46.0		ug/kg	92%	75 - 135	9074689	07/31/09 00:16
Tetrachloroethene	50.0	54.0		ug/kg	108%	76 - 130	9074689	07/31/09 00:16
Toluene	50.0	48.7		ug/kg	97%	76 - 126	9074689	07/31/09 00:16
1,2,3-Trichlorobenzene	50.0	57.4		ug/kg	115%	75 - 150	9074689	07/31/09 00:16
1,2,4-Trichlorobenzene	50.0	59.4		ug/kg	119%	64 - 150	9074689	07/31/09 00:16
1,1,2-Trichloroethane	50.0	43.4		ug/kg	87%	73 - 133	9074689	07/31/09 00:16
1,1,1-Trichloroethane	50.0	48.7		ug/kg	97%	70 - 132	9074689	07/31/09 00:16
Trichloroethene	50.0	50.1		ug/kg	100%	79 - 129	9074689	07/31/09 00:16
Trichlorofluoromethane	50.0	51.7		ug/kg	103%	52 - 148	9074689	07/31/09 00:16
1,2,3-Trichloropropane	50.0	44.7		ug/kg	89%	70 - 125	9074689	07/31/09 00:16
1,3,5-Trimethylbenzene	50.0	51.6		ug/kg	103%	80 - 134	9074689	07/31/09 00:16
1,2,4-Trimethylbenzene	50.0	52.1		ug/kg	104%	80 - 132	9074689	07/31/09 00:16
Vinyl chloride	50.0	50.2		ug/kg	100%	53 - 142	9074689	07/31/09 00:16
Xylenes, total	150	151		ug/kg	101%	80 - 130	9074689	07/31/09 00:16
Surrogate: 1,2-Dichloroethane-d4	50.0	52.6			105%	67 - 138	9074689	07/31/09 00:16
Surrogate: Dibromofluoromethane	50.0	49.5			99%	75 - 125	9074689	07/31/09 00:16
Surrogate: Toluene-d8	50.0	48.2			96%	76 - 129	9074689	07/31/09 00:16
Surrogate: 4-Bromofluorobenzene	50.0	50.8			102%	67 - 147	9074689	07/31/09 00:16
Polyaromatic Hydrocarbons by EPA 8270C								
9074490-BS1								
Acenaphthene	1.67	1.32		mg/kg wet	79%	49 - 120	9074490	08/03/09 00:12
Acenaphthylene	1.67	1.39		mg/kg wet	84%	52 - 120	9074490	08/03/09 00:12
Anthracene	1.67	1.53		mg/kg wet	92%	58 - 120	9074490	08/03/09 00:12
Benzo (a) anthracene	1.67	1.38		mg/kg wet	83%	57 - 120	9074490	08/03/09 00:12
Benzo (a) pyrene	1.67	1.28		mg/kg wet	77%	55 - 120	9074490	08/03/09 00:12
Benzo (b) fluoranthene	1.67	1.30		mg/kg wet	78%	51 - 123	9074490	08/03/09 00:12
Benzo (g,h,i) perylene	1.67	1.63		mg/kg wet	98%	49 - 121	9074490	08/03/09 00:12
Benzo (k) fluoranthene	1.67	1.09		mg/kg wet	66%	42 - 129	9074490	08/03/09 00:12
Chrysene	1.67	1.15		mg/kg wet	69%	55 - 120	9074490	08/03/09 00:12
Dibenz (a,h) anthracene	1.67	1.28		mg/kg wet	77%	50 - 123	9074490	08/03/09 00:12
Fluoranthene	1.67	1.43		mg/kg wet	86%	58 - 120	9074490	08/03/09 00:12

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C								
9074490-BS1								
Fluorene	1.67	1.18		mg/kg wet	71%	54 - 120	9074490	08/03/09 00:12
Indeno (1,2,3-cd) pyrene	1.67	1.34		mg/kg wet	80%	50 - 122	9074490	08/03/09 00:12
Naphthalene	1.67	1.12		mg/kg wet	67%	28 - 107	9074490	08/03/09 00:12
Phenanthrene	1.67	1.39		mg/kg wet	84%	56 - 120	9074490	08/03/09 00:12
Pyrene	1.67	1.46		mg/kg wet	87%	56 - 120	9074490	08/03/09 00:12
Surrogate: Terphenyl-d14	1.67	1.32			79%	18 - 120	9074490	08/03/09 00:12
Surrogate: 2-Fluorobiphenyl	1.67	1.21			73%	14 - 120	9074490	08/03/09 00:12
Surrogate: Nitrobenzene-d5	1.67	1.10			66%	17 - 120	9074490	08/03/09 00:12
Extractable Petroleum Hydrocarbons								
9073830-BS1								
Diesel	40.0	38.6		mg/kg wet	97%	55 - 123	9073830	07/31/09 02:18
Surrogate: o-Terphenyl	0.800	0.919			115%	29 - 141	9073830	07/31/09 02:18
Purgeable Petroleum Hydrocarbons								
9073778-BS1								
GRO as Gasoline	10.0	9.25		mg/kg wet	93%	71 - 125	9073778	07/29/09 09:27
Surrogate: a,a,a-Trifluorotoluene	30.0	20.3			68%	52 - 145	9073778	07/29/09 09:27

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9073757-BSD1												
Acetone		246		ug/kg	250	98%	60 - 150	11	50	9073757		07/30/09 12:41
Benzene		48.5		ug/kg	50.0	97%	78 - 126	12	50	9073757		07/30/09 12:41
Bromobenzene		47.9		ug/kg	50.0	96%	79 - 126	12	50	9073757		07/30/09 12:41
Bromochloromethane		51.7		ug/kg	50.0	103%	78 - 126	10	50	9073757		07/30/09 12:41
Bromodichloromethane		46.2		ug/kg	50.0	92%	75 - 129	12	50	9073757		07/30/09 12:41
Bromoform		51.8		ug/kg	50.0	104%	74 - 133	10	43	9073757		07/30/09 12:41
Bromomethane		29.5		ug/kg	50.0	59%	50 - 150	5	46	9073757		07/30/09 12:41
2-Butanone		273		ug/kg	250	109%	68 - 149	7	50	9073757		07/30/09 12:41
sec-Butylbenzene		53.4		ug/kg	50.0	107%	76 - 135	13	50	9073757		07/30/09 12:41
n-Butylbenzene		55.3		ug/kg	50.0	111%	73 - 143	13	50	9073757		07/30/09 12:41
tert-Butylbenzene		53.1		ug/kg	50.0	106%	80 - 129	13	50	9073757		07/30/09 12:41
Carbon disulfide		51.5		ug/kg	50.0	103%	80 - 132	14	48	9073757		07/30/09 12:41
Carbon Tetrachloride		50.5		ug/kg	50.0	101%	70 - 138	10	44	9073757		07/30/09 12:41
Chlorobenzene		49.0		ug/kg	50.0	98%	80 - 123	12	50	9073757		07/30/09 12:41
Chlorodibromomethane		49.9		ug/kg	50.0	100%	80 - 127	13	48	9073757		07/30/09 12:41
Chloroethane		48.5		ug/kg	50.0	97%	55 - 150	12	50	9073757		07/30/09 12:41
Chloroform		43.7		ug/kg	50.0	87%	70 - 127	11	50	9073757		07/30/09 12:41
Chloromethane		38.5		ug/kg	50.0	77%	36 - 137	11	44	9073757		07/30/09 12:41
2-Chlorotoluene		50.2		ug/kg	50.0	100%	80 - 130	13	50	9073757		07/30/09 12:41
4-Chlorotoluene		51.0		ug/kg	50.0	102%	77 - 132	13	50	9073757		07/30/09 12:41
1,2-Dibromo-3-chloropropane		55.0		ug/kg	50.0	110%	62 - 150	14	45	9073757		07/30/09 12:41
1,2-Dibromoethane (EDB)		50.9		ug/kg	50.0	102%	80 - 131	11	45	9073757		07/30/09 12:41
Dibromomethane		49.5		ug/kg	50.0	99%	78 - 128	14	50	9073757		07/30/09 12:41
1,4-Dichlorobenzene		53.0		ug/kg	50.0	106%	80 - 129	14	50	9073757		07/30/09 12:41
1,3-Dichlorobenzene		53.4		ug/kg	50.0	107%	80 - 131	13	50	9073757		07/30/09 12:41
1,2-Dichlorobenzene		53.2		ug/kg	50.0	106%	80 - 127	12	50	9073757		07/30/09 12:41
Dichlorodifluoromethane		55.8		ug/kg	50.0	112%	30 - 150	21	50	9073757		07/30/09 12:41
1,1-Dichloroethane		47.7		ug/kg	50.0	95%	71 - 126	12	50	9073757		07/30/09 12:41
1,2-Dichloroethane		46.7		ug/kg	50.0	93%	70 - 139	12	50	9073757		07/30/09 12:41
cis-1,2-Dichloroethene		47.9		ug/kg	50.0	96%	75 - 126	11	50	9073757		07/30/09 12:41
1,1-Dichloroethene		51.0		ug/kg	50.0	102%	70 - 125	12	50	9073757		07/30/09 12:41
trans-1,2-Dichloroethene		48.4		ug/kg	50.0	97%	73 - 128	12	40	9073757		07/30/09 12:41
1,3-Dichloropropane		48.6		ug/kg	50.0	97%	79 - 128	12	42	9073757		07/30/09 12:41
1,2-Dichloropropane		45.1		ug/kg	50.0	90%	75 - 120	11	50	9073757		07/30/09 12:41
2,2-Dichloropropane		47.2		ug/kg	50.0	94%	60 - 139	11	39	9073757		07/30/09 12:41
cis-1,3-Dichloropropene		48.2		ug/kg	50.0	96%	74 - 136	12	50	9073757		07/30/09 12:41
trans-1,3-Dichloropropene		47.4		ug/kg	50.0	95%	73 - 128	14	48	9073757		07/30/09 12:41
1,1-Dichloropropene		49.6		ug/kg	50.0	99%	78 - 125	13	50	9073757		07/30/09 12:41
Ethylbenzene		51.1		ug/kg	50.0	102%	79 - 130	13	50	9073757		07/30/09 12:41
Hexachlorobutadiene		62.4		ug/kg	50.0	125%	75 - 150	12	50	9073757		07/30/09 12:41
2-Hexanone		271		ug/kg	250	108%	65 - 150	7	50	9073757		07/30/09 12:41

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9073757-BSD1												
Isopropylbenzene		52.4		ug/kg	50.0	105%	65 - 121	13	50	9073757		07/30/09 12:41
p-Isopropyltoluene		52.9		ug/kg	50.0	106%	76 - 133	15	50	9073757		07/30/09 12:41
Methyl tert-Butyl Ether		44.9		ug/kg	50.0	90%	70 - 128	20	50	9073757		07/30/09 12:41
Methylene Chloride		50.7		ug/kg	50.0	101%	69 - 140	16	50	9073757		07/30/09 12:41
4-Methyl-2-pentanone		247		ug/kg	250	99%	67 - 147	13	45	9073757		07/30/09 12:41
Naphthalene		57.3		ug/kg	50.0	115%	72 - 150	12	50	9073757		07/30/09 12:41
n-Propylbenzene		50.5		ug/kg	50.0	101%	76 - 133	14	50	9073757		07/30/09 12:41
Styrene		53.1		ug/kg	50.0	106%	80 - 140	13	50	9073757		07/30/09 12:41
1,1,1,2-Tetrachloroethane		49.7		ug/kg	50.0	99%	80 - 132	11	50	9073757		07/30/09 12:41
1,1,2,2-Tetrachloroethane		47.7		ug/kg	50.0	95%	75 - 135	12	45	9073757		07/30/09 12:41
Tetrachloroethene		56.2		ug/kg	50.0	112%	76 - 130	12	50	9073757		07/30/09 12:41
Toluene		49.2		ug/kg	50.0	98%	76 - 126	12	50	9073757		07/30/09 12:41
1,2,3-Trichlorobenzene		58.2		ug/kg	50.0	116%	75 - 150	13	50	9073757		07/30/09 12:41
1,2,4-Trichlorobenzene		64.0		ug/kg	50.0	128%	64 - 150	11	50	9073757		07/30/09 12:41
1,1,2-Trichloroethane		44.9		ug/kg	50.0	90%	73 - 133	16	50	9073757		07/30/09 12:41
1,1,1-Trichloroethane		47.5		ug/kg	50.0	95%	70 - 132	12	41	9073757		07/30/09 12:41
Trichloroethene		50.7		ug/kg	50.0	101%	79 - 129	13	50	9073757		07/30/09 12:41
Trichlorofluoromethane		51.6		ug/kg	50.0	103%	52 - 148	13	47	9073757		07/30/09 12:41
1,2,3-Trichloropropane		45.2		ug/kg	50.0	90%	70 - 125	13	47	9073757		07/30/09 12:41
1,3,5-Trimethylbenzene		52.6		ug/kg	50.0	105%	80 - 134	14	50	9073757		07/30/09 12:41
1,2,4-Trimethylbenzene		53.8		ug/kg	50.0	108%	80 - 132	13	50	9073757		07/30/09 12:41
Vinyl chloride		50.6		ug/kg	50.0	101%	53 - 142	14	39	9073757		07/30/09 12:41
Xylenes, total		155		ug/kg	150	103%	80 - 130	12	50	9073757		07/30/09 12:41
Surrogate: 1,2-Dichloroethane-d4		51.6		ug/kg	50.0	103%	67 - 138			9073757		07/30/09 12:41
Surrogate: Dibromofluoromethane		48.9		ug/kg	50.0	98%	75 - 125			9073757		07/30/09 12:41
Surrogate: Toluene-d8		48.1		ug/kg	50.0	96%	76 - 129			9073757		07/30/09 12:41
Surrogate: 4-Bromofluorobenzene		49.0		ug/kg	50.0	98%	67 - 147			9073757		07/30/09 12:41
9074689-BSD1												
Acetone		252		ug/kg	250	101%	60 - 150	12	50	9074689		07/31/09 00:46
Benzene		55.8		ug/kg	50.0	112%	78 - 126	15	50	9074689		07/31/09 00:46
Bromobenzene		55.1		ug/kg	50.0	110%	79 - 126	15	50	9074689		07/31/09 00:46
Bromochloromethane		60.0		ug/kg	50.0	120%	78 - 126	16	50	9074689		07/31/09 00:46
Bromodichloromethane		52.2		ug/kg	50.0	104%	75 - 129	15	50	9074689		07/31/09 00:46
Bromoform		53.5		ug/kg	50.0	107%	74 - 133	9	43	9074689		07/31/09 00:46
Bromomethane		39.6		ug/kg	50.0	79%	50 - 150	18	46	9074689		07/31/09 00:46
2-Butanone		277		ug/kg	250	111%	68 - 149	13	50	9074689		07/31/09 00:46
sec-Butylbenzene		60.1		ug/kg	50.0	120%	76 - 135	16	50	9074689		07/31/09 00:46
n-Butylbenzene		60.4		ug/kg	50.0	121%	73 - 143	16	50	9074689		07/31/09 00:46
tert-Butylbenzene		60.9		ug/kg	50.0	122%	80 - 129	13	50	9074689		07/31/09 00:46
Carbon disulfide		57.5		ug/kg	50.0	115%	80 - 132	16	48	9074689		07/31/09 00:46

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9074689-BSD1												
Carbon Tetrachloride		58.0		ug/kg	50.0	116%	70 - 138	13	44	9074689		07/31/09 00:46
Chlorobenzene		54.2		ug/kg	50.0	108%	80 - 123	11	50	9074689		07/31/09 00:46
Chlorodibromomethane		53.4		ug/kg	50.0	107%	80 - 127	5	48	9074689		07/31/09 00:46
Chloroethane		60.3		ug/kg	50.0	121%	55 - 150	25	50	9074689		07/31/09 00:46
Chloroform		51.5		ug/kg	50.0	103%	70 - 127	14	50	9074689		07/31/09 00:46
Chloromethane		38.5		ug/kg	50.0	77%	36 - 137	15	44	9074689		07/31/09 00:46
2-Chlorotoluene		57.5		ug/kg	50.0	115%	80 - 130	14	50	9074689		07/31/09 00:46
4-Chlorotoluene		57.0		ug/kg	50.0	114%	77 - 132	15	50	9074689		07/31/09 00:46
1,2-Dibromo-3-chloropropane		56.7		ug/kg	50.0	113%	62 - 150	10	45	9074689		07/31/09 00:46
1,2-Dibromoethane (EDB)		55.0		ug/kg	50.0	110%	80 - 131	9	45	9074689		07/31/09 00:46
Dibromomethane		56.0		ug/kg	50.0	112%	78 - 128	12	50	9074689		07/31/09 00:46
1,4-Dichlorobenzene		59.1		ug/kg	50.0	118%	80 - 129	16	50	9074689		07/31/09 00:46
1,3-Dichlorobenzene		59.8		ug/kg	50.0	120%	80 - 131	15	50	9074689		07/31/09 00:46
1,2-Dichlorobenzene		59.4		ug/kg	50.0	119%	80 - 127	15	50	9074689		07/31/09 00:46
Dichlorodifluoromethane		65.1		ug/kg	50.0	130%	30 - 150	12	50	9074689		07/31/09 00:46
1,1-Dichloroethane		55.7		ug/kg	50.0	111%	71 - 126	15	50	9074689		07/31/09 00:46
1,2-Dichloroethane		55.4		ug/kg	50.0	111%	70 - 139	15	50	9074689		07/31/09 00:46
cis-1,2-Dichloroethene		54.6		ug/kg	50.0	109%	75 - 126	13	50	9074689		07/31/09 00:46
1,1-Dichloroethene		58.7		ug/kg	50.0	117%	70 - 125	13	50	9074689		07/31/09 00:46
trans-1,2-Dichloroethene		55.6		ug/kg	50.0	111%	73 - 128	14	40	9074689		07/31/09 00:46
1,3-Dichloropropane		51.9		ug/kg	50.0	104%	79 - 128	10	42	9074689		07/31/09 00:46
1,2-Dichloropropane		51.3		ug/kg	50.0	103%	75 - 120	14	50	9074689		07/31/09 00:46
2,2-Dichloropropane		54.2		ug/kg	50.0	108%	60 - 139	13	39	9074689		07/31/09 00:46
cis-1,3-Dichloropropene		52.0		ug/kg	50.0	104%	74 - 136	10	50	9074689		07/31/09 00:46
trans-1,3-Dichloropropene		51.1		ug/kg	50.0	102%	73 - 128	10	48	9074689		07/31/09 00:46
1,1-Dichloropropene		56.1		ug/kg	50.0	112%	78 - 125	15	50	9074689		07/31/09 00:46
Ethylbenzene		56.9		ug/kg	50.0	114%	79 - 130	13	50	9074689		07/31/09 00:46
Hexachlorobutadiene		63.5		ug/kg	50.0	127%	75 - 150	13	50	9074689		07/31/09 00:46
2-Hexanone		258		ug/kg	250	103%	65 - 150	9	50	9074689		07/31/09 00:46
Isopropylbenzene		57.1		ug/kg	50.0	114%	65 - 121	12	50	9074689		07/31/09 00:46
p-Isopropyltoluene		59.6		ug/kg	50.0	119%	76 - 133	16	50	9074689		07/31/09 00:46
Methyl tert-Butyl Ether		57.2		ug/kg	50.0	114%	70 - 128	12	50	9074689		07/31/09 00:46
Methylene Chloride		59.0		ug/kg	50.0	118%	69 - 140	14	50	9074689		07/31/09 00:46
4-Methyl-2-pentanone		256		ug/kg	250	103%	67 - 147	10	45	9074689		07/31/09 00:46
Naphthalene		62.0		ug/kg	50.0	124%	72 - 150	12	50	9074689		07/31/09 00:46
n-Propylbenzene		57.4		ug/kg	50.0	115%	76 - 133	16	50	9074689		07/31/09 00:46
Styrene		57.0		ug/kg	50.0	114%	80 - 140	12	50	9074689		07/31/09 00:46
1,1,1,2-Tetrachloroethane		56.6		ug/kg	50.0	113%	80 - 132	14	50	9074689		07/31/09 00:46
1,1,2,2-Tetrachloroethane		52.8		ug/kg	50.0	106%	75 - 135	14	45	9074689		07/31/09 00:46
Tetrachloroethene		60.6		ug/kg	50.0	121%	76 - 130	12	50	9074689		07/31/09 00:46
Toluene		54.3		ug/kg	50.0	109%	76 - 126	11	50	9074689		07/31/09 00:46

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9074689-BSD1												
1,2,3-Trichlorobenzene		65.2		ug/kg	50.0	130%	75 - 150	13	50	9074689		07/31/09 00:46
1,2,4-Trichlorobenzene		69.0		ug/kg	50.0	138%	64 - 150	15	50	9074689		07/31/09 00:46
1,1,2-Trichloroethane		48.6		ug/kg	50.0	97%	73 - 133	11	50	9074689		07/31/09 00:46
1,1,1-Trichloroethane		56.4		ug/kg	50.0	113%	70 - 132	15	41	9074689		07/31/09 00:46
Trichloroethene		57.7		ug/kg	50.0	115%	79 - 129	14	50	9074689		07/31/09 00:46
Trichlorofluoromethane		59.6		ug/kg	50.0	119%	52 - 148	14	47	9074689		07/31/09 00:46
1,2,3-Trichloropropane		45.1		ug/kg	50.0	90%	70 - 125	0.9	47	9074689		07/31/09 00:46
1,3,5-Trimethylbenzene		60.8		ug/kg	50.0	122%	80 - 134	16	50	9074689		07/31/09 00:46
1,2,4-Trimethylbenzene		61.6		ug/kg	50.0	123%	80 - 132	17	50	9074689		07/31/09 00:46
Vinyl chloride		59.2		ug/kg	50.0	118%	53 - 142	16	39	9074689		07/31/09 00:46
Xylenes, total		172		ug/kg	150	114%	80 - 130	13	50	9074689		07/31/09 00:46
Surrogate: 1,2-Dichloroethane-d4		52.6		ug/kg	50.0	105%	67 - 138			9074689		07/31/09 00:46
Surrogate: Dibromofluoromethane		48.9		ug/kg	50.0	98%	75 - 125			9074689		07/31/09 00:46
Surrogate: Toluene-d8		46.5		ug/kg	50.0	93%	76 - 129			9074689		07/31/09 00:46
Surrogate: 4-Bromofluorobenzene		49.9		ug/kg	50.0	100%	67 - 147			9074689		07/31/09 00:46

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
9074168-MS1										
Arsenic	2.28	23.1	M2	mg/kg dry	28.1	74%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Barium	88.0	1010		mg/kg dry	1120	82%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Cadmium	ND	20.5	M2	mg/kg dry	28.1	73%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Chromium	19.1	114		mg/kg dry	112	84%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Lead	35.5	32.0	M2	mg/kg dry	28.1	-13%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Selenium	3.16	23.6	M2	mg/kg dry	28.1	73%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Silver	ND	17.0	M2	mg/kg dry	28.1	60%	75 - 125	9074168	NSG2105-04	07/31/09 08:50
Mercury by EPA Methods 7470A/7471A										
9074384-MS1										
Mercury	ND	0.186		mg/kg wet	0.168	111%	75 - 125	9074384	NSG2114-01	07/31/09 11:47
Volatile Organic Compounds by EPA Method 8260B										
9073757-MS1										
Acetone	ND	248		ug/kg	250	99%	29 - 181	9073757	NSG2159-03	07/30/09 20:41
Benzene	0.243	52.2		ug/kg	50.0	104%	42 - 141	9073757	NSG2159-03	07/30/09 20:41
Bromobenzene	ND	53.6		ug/kg	50.0	107%	19 - 154	9073757	NSG2159-03	07/30/09 20:41
Bromochloromethane	ND	54.8		ug/kg	50.0	110%	41 - 146	9073757	NSG2159-03	07/30/09 20:41
Bromodichloromethane	ND	49.3		ug/kg	50.0	99%	32 - 155	9073757	NSG2159-03	07/30/09 20:41
Bromoform	ND	50.4		ug/kg	50.0	101%	10 - 155	9073757	NSG2159-03	07/30/09 20:41
Bromomethane	ND	26.2		ug/kg	50.0	52%	10 - 199	9073757	NSG2159-03	07/30/09 20:41
2-Butanone	ND	269		ug/kg	250	108%	38 - 161	9073757	NSG2159-03	07/30/09 20:41
sec-Butylbenzene	ND	57.4		ug/kg	50.0	115%	10 - 170	9073757	NSG2159-03	07/30/09 20:41
n-Butylbenzene	ND	58.2		ug/kg	50.0	116%	10 - 183	9073757	NSG2159-03	07/30/09 20:41
tert-Butylbenzene	ND	57.2		ug/kg	50.0	114%	11 - 165	9073757	NSG2159-03	07/30/09 20:41
Carbon disulfide	ND	53.2		ug/kg	50.0	106%	50 - 136	9073757	NSG2159-03	07/30/09 20:41
Carbon Tetrachloride	ND	55.9		ug/kg	50.0	112%	30 - 159	9073757	NSG2159-03	07/30/09 20:41
Chlorobenzene	ND	53.3		ug/kg	50.0	107%	25 - 151	9073757	NSG2159-03	07/30/09 20:41
Chlorodibromomethane	ND	49.5		ug/kg	50.0	99%	27 - 150	9073757	NSG2159-03	07/30/09 20:41
Chloroethane	ND	53.6		ug/kg	50.0	107%	15 - 197	9073757	NSG2159-03	07/30/09 20:41
Chloroform	3.41	49.7		ug/kg	50.0	93%	33 - 148	9073757	NSG2159-03	07/30/09 20:41
Chloromethane	ND	33.9		ug/kg	50.0	68%	10 - 166	9073757	NSG2159-03	07/30/09 20:41
2-Chlorotoluene	ND	54.0		ug/kg	50.0	108%	25 - 166	9073757	NSG2159-03	07/30/09 20:41
4-Chlorotoluene	ND	54.6		ug/kg	50.0	109%	19 - 163	9073757	NSG2159-03	07/30/09 20:41
1,2-Dibromo-3-chloropropane	ND	55.3		ug/kg	50.0	111%	10 - 167	9073757	NSG2159-03	07/30/09 20:41
1,2-Dibromoethane (EDB)	ND	52.9		ug/kg	50.0	106%	30 - 155	9073757	NSG2159-03	07/30/09 20:41
Dibromomethane	ND	53.8		ug/kg	50.0	108%	30 - 149	9073757	NSG2159-03	07/30/09 20:41
1,4-Dichlorobenzene	ND	56.6		ug/kg	50.0	113%	10 - 170	9073757	NSG2159-03	07/30/09 20:41

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9073757-MS1										
1,3-Dichlorobenzene	ND	56.2		ug/kg	50.0	112%	10 - 173	9073757	NSG2159-03	07/30/09 20:41
1,2-Dichlorobenzene	ND	56.1		ug/kg	50.0	112%	10 - 168	9073757	NSG2159-03	07/30/09 20:41
Dichlorodifluoromethane	ND	70.1		ug/kg	50.0	140%	10 - 188	9073757	NSG2159-03	07/30/09 20:41
1,1-Dichloroethane	ND	50.5		ug/kg	50.0	101%	51 - 135	9073757	NSG2159-03	07/30/09 20:41
1,2-Dichloroethane	ND	52.4		ug/kg	50.0	105%	32 - 155	9073757	NSG2159-03	07/30/09 20:41
cis-1,2-Dichloroethene	ND	51.6		ug/kg	50.0	103%	32 - 150	9073757	NSG2159-03	07/30/09 20:41
1,1-Dichloroethene	ND	53.4		ug/kg	50.0	107%	46 - 141	9073757	NSG2159-03	07/30/09 20:41
trans-1,2-Dichloroethene	ND	51.3		ug/kg	50.0	103%	41 - 146	9073757	NSG2159-03	07/30/09 20:41
1,3-Dichloropropane	ND	47.5		ug/kg	50.0	95%	35 - 148	9073757	NSG2159-03	07/30/09 20:41
1,2-Dichloropropane	ND	49.6		ug/kg	50.0	99%	34 - 139	9073757	NSG2159-03	07/30/09 20:41
2,2-Dichloropropane	ND	52.1		ug/kg	50.0	104%	29 - 152	9073757	NSG2159-03	07/30/09 20:41
cis-1,3-Dichloropropene	ND	46.2		ug/kg	50.0	92%	23 - 152	9073757	NSG2159-03	07/30/09 20:41
trans-1,3-Dichloropropene	ND	46.6		ug/kg	50.0	93%	24 - 151	9073757	NSG2159-03	07/30/09 20:41
1,1-Dichloropropene	ND	54.0		ug/kg	50.0	108%	40 - 151	9073757	NSG2159-03	07/30/09 20:41
Ethylbenzene	1.31	55.5		ug/kg	50.0	108%	21 - 165	9073757	NSG2159-03	07/30/09 20:41
Hexachlorobutadiene	ND	65.0		ug/kg	50.0	130%	10 - 173	9073757	NSG2159-03	07/30/09 20:41
2-Hexanone	ND	251		ug/kg	250	100%	13 - 174	9073757	NSG2159-03	07/30/09 20:41
Isopropylbenzene	ND	56.8		ug/kg	50.0	114%	20 - 139	9073757	NSG2159-03	07/30/09 20:41
p-Isopropyltoluene	ND	57.3		ug/kg	50.0	115%	10 - 164	9073757	NSG2159-03	07/30/09 20:41
Methyl tert-Butyl Ether	ND	53.0		ug/kg	50.0	106%	34 - 154	9073757	NSG2159-03	07/30/09 20:41
Methylene Chloride	4.54	56.9		ug/kg	50.0	105%	36 - 163	9073757	NSG2159-03	07/30/09 20:41
4-Methyl-2-pentanone	ND	228		ug/kg	250	91%	19 - 176	9073757	NSG2159-03	07/30/09 20:41
Naphthalene	1.76	59.8		ug/kg	50.0	116%	10 - 160	9073757	NSG2159-03	07/30/09 20:41
n-Propylbenzene	ND	54.0		ug/kg	50.0	108%	16 - 174	9073757	NSG2159-03	07/30/09 20:41
Styrene	ND	57.0		ug/kg	50.0	114%	10 - 177	9073757	NSG2159-03	07/30/09 20:41
1,1,1,2-Tetrachloroethane	ND	53.4		ug/kg	50.0	107%	31 - 150	9073757	NSG2159-03	07/30/09 20:41
1,1,2,2-Tetrachloroethane	ND	49.9		ug/kg	50.0	100%	27 - 163	9073757	NSG2159-03	07/30/09 20:41
Tetrachloroethene	ND	55.3		ug/kg	50.0	111%	33 - 155	9073757	NSG2159-03	07/30/09 20:41
Toluene	1.66	49.4		ug/kg	50.0	95%	45 - 145	9073757	NSG2159-03	07/30/09 20:41
1,2,3-Trichlorobenzene	ND	60.0		ug/kg	50.0	120%	10 - 182	9073757	NSG2159-03	07/30/09 20:41
1,2,4-Trichlorobenzene	ND	63.7		ug/kg	50.0	127%	10 - 175	9073757	NSG2159-03	07/30/09 20:41
1,1,2-Trichloroethane	ND	44.4		ug/kg	50.0	89%	43 - 145	9073757	NSG2159-03	07/30/09 20:41
1,1,1-Trichloroethane	ND	52.9		ug/kg	50.0	106%	39 - 148	9073757	NSG2159-03	07/30/09 20:41
Trichloroethene	ND	56.4		ug/kg	50.0	113%	39 - 150	9073757	NSG2159-03	07/30/09 20:41
Trichlorofluoromethane	ND	57.3		ug/kg	50.0	115%	25 - 174	9073757	NSG2159-03	07/30/09 20:41
1,2,3-Trichloropropane	ND	48.8		ug/kg	50.0	98%	10 - 152	9073757	NSG2159-03	07/30/09 20:41
1,3,5-Trimethylbenzene	0.688	57.0		ug/kg	50.0	113%	38 - 148	9073757	NSG2159-03	07/30/09 20:41

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9073757-MS1										
1,2,4-Trimethylbenzene	3.82	58.9		ug/kg	50.0	110%	22 - 164	9073757	NSG2159-03	07/30/09 20:41
Vinyl chloride	ND	54.0		ug/kg	50.0	108%	32 - 163	9073757	NSG2159-03	07/30/09 20:41
Xylenes, total	5.01	168		ug/kg	150	109%	31 - 159	9073757	NSG2159-03	07/30/09 20:41
Surrogate: 1,2-Dichloroethane-d4		52.9		ug/kg	50.0	106%	67 - 138	9073757	NSG2159-03	07/30/09 20:41
Surrogate: Dibromofluoromethane		48.1		ug/kg	50.0	96%	75 - 125	9073757	NSG2159-03	07/30/09 20:41
Surrogate: Toluene-d8		44.0		ug/kg	50.0	88%	76 - 129	9073757	NSG2159-03	07/30/09 20:41
Surrogate: 4-Bromofluorobenzene		49.8		ug/kg	50.0	100%	67 - 147	9073757	NSG2159-03	07/30/09 20:41
9074689-MS1										
Acetone	ND	1330		mg/kg dry	1370	97%	29 - 181	9074689	NSG2141-01RE3	07/31/09 08:26
Benzene	4.22	253		mg/kg dry	274	91%	42 - 141	9074689	NSG2141-01RE3	07/31/09 08:26
Bromobenzene	ND	242		mg/kg dry	274	88%	19 - 154	9074689	NSG2141-01RE3	07/31/09 08:26
Bromochloromethane	ND	253		mg/kg dry	274	92%	41 - 146	9074689	NSG2141-01RE3	07/31/09 08:26
Bromodichloromethane	ND	224		mg/kg dry	274	82%	32 - 155	9074689	NSG2141-01RE3	07/31/09 08:26
Bromoform	ND	226		mg/kg dry	274	82%	10 - 155	9074689	NSG2141-01RE3	07/31/09 08:26
Bromomethane	ND	128		mg/kg dry	274	47%	10 - 199	9074689	NSG2141-01RE3	07/31/09 08:26
2-Butanone	ND	1160		mg/kg dry	1370	85%	38 - 161	9074689	NSG2141-01RE3	07/31/09 08:26
sec-Butylbenzene	ND	269		mg/kg dry	274	98%	10 - 170	9074689	NSG2141-01RE3	07/31/09 08:26
n-Butylbenzene	5.71	267		mg/kg dry	274	95%	10 - 183	9074689	NSG2141-01RE3	07/31/09 08:26
tert-Butylbenzene	ND	265		mg/kg dry	274	97%	11 - 165	9074689	NSG2141-01RE3	07/31/09 08:26
Carbon disulfide	ND	254		mg/kg dry	274	92%	50 - 136	9074689	NSG2141-01RE3	07/31/09 08:26
Carbon Tetrachloride	ND	266		mg/kg dry	274	97%	30 - 159	9074689	NSG2141-01RE3	07/31/09 08:26
Chlorobenzene	ND	248		mg/kg dry	274	90%	25 - 151	9074689	NSG2141-01RE3	07/31/09 08:26
Chlorodibromomethane	ND	242		mg/kg dry	274	88%	27 - 150	9074689	NSG2141-01RE3	07/31/09 08:26
Chloroethane	ND	239		mg/kg dry	274	87%	15 - 197	9074689	NSG2141-01RE3	07/31/09 08:26
Chloroform	ND	226		mg/kg dry	274	83%	33 - 148	9074689	NSG2141-01RE3	07/31/09 08:26
Chloromethane	ND	162		mg/kg dry	274	59%	10 - 166	9074689	NSG2141-01RE3	07/31/09 08:26
2-Chlorotoluene	ND	265		mg/kg dry	274	97%	25 - 166	9074689	NSG2141-01RE3	07/31/09 08:26

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9074689-MS1										
4-Chlorotoluene	ND	253		mg/kg dry	274	92%	19 - 163	9074689	NSG2141-01RE3	07/31/09 08:26
1,2-Dibromo-3-chloropropane	ND	208		mg/kg dry	274	76%	10 - 167	9074689	NSG2141-01RE3	07/31/09 08:26
1,2-Dibromoethane (EDB)	ND	244		mg/kg dry	274	89%	30 - 155	9074689	NSG2141-01RE3	07/31/09 08:26
Dibromomethane	ND	236		mg/kg dry	274	86%	30 - 149	9074689	NSG2141-01RE3	07/31/09 08:26
1,4-Dichlorobenzene	ND	255		mg/kg dry	274	93%	10 - 170	9074689	NSG2141-01RE3	07/31/09 08:26
1,3-Dichlorobenzene	ND	257		mg/kg dry	274	94%	10 - 173	9074689	NSG2141-01RE3	07/31/09 08:26
1,2-Dichlorobenzene	ND	257		mg/kg dry	274	94%	10 - 168	9074689	NSG2141-01RE3	07/31/09 08:26
Dichlorodifluoromethane	ND	317		mg/kg dry	274	115%	10 - 188	9074689	NSG2141-01RE3	07/31/09 08:26
1,1-Dichloroethane	ND	248		mg/kg dry	274	91%	51 - 135	9074689	NSG2141-01RE3	07/31/09 08:26
1,2-Dichloroethane	ND	239		mg/kg dry	274	87%	32 - 155	9074689	NSG2141-01RE3	07/31/09 08:26
cis-1,2-Dichloroethene	ND	250		mg/kg dry	274	91%	32 - 150	9074689	NSG2141-01RE3	07/31/09 08:26
1,1-Dichloroethene	ND	272		mg/kg dry	274	99%	46 - 141	9074689	NSG2141-01RE3	07/31/09 08:26
trans-1,2-Dichloroethene	ND	259		mg/kg dry	274	94%	41 - 146	9074689	NSG2141-01RE3	07/31/09 08:26
1,3-Dichloropropane	ND	231		mg/kg dry	274	84%	35 - 148	9074689	NSG2141-01RE3	07/31/09 08:26
1,2-Dichloropropane	ND	226		mg/kg dry	274	82%	34 - 139	9074689	NSG2141-01RE3	07/31/09 08:26
2,2-Dichloropropane	ND	245		mg/kg dry	274	89%	29 - 152	9074689	NSG2141-01RE3	07/31/09 08:26
cis-1,3-Dichloropropene	ND	236		mg/kg dry	274	86%	23 - 152	9074689	NSG2141-01RE3	07/31/09 08:26
trans-1,3-Dichloropropene	ND	229		mg/kg dry	274	83%	24 - 151	9074689	NSG2141-01RE3	07/31/09 08:26
1,1-Dichloropropene	ND	259		mg/kg dry	274	94%	40 - 151	9074689	NSG2141-01RE3	07/31/09 08:26
Ethylbenzene	33.5	296		mg/kg dry	274	96%	21 - 165	9074689	NSG2141-01RE3	07/31/09 08:26
Hexachlorobutadiene	ND	300		mg/kg dry	274	109%	10 - 173	9074689	NSG2141-01RE3	07/31/09 08:26
2-Hexanone	ND	966		mg/kg dry	1370	70%	13 - 174	9074689	NSG2141-01RE3	07/31/09 08:26
Isopropylbenzene	ND	272		mg/kg dry	274	99%	20 - 139	9074689	NSG2141-01RE3	07/31/09 08:26
p-Isopropyltoluene	ND	266		mg/kg dry	274	97%	10 - 164	9074689	NSG2141-01RE3	07/31/09 08:26

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9074689-MS1										
Methyl tert-Butyl Ether	ND	231		mg/kg dry	274	84%	34 - 154	9074689	NSG2141-01RE3	07/31/09 08:26
Methylene Chloride	ND	256		mg/kg dry	274	93%	36 - 163	9074689	NSG2141-01RE3	07/31/09 08:26
4-Methyl-2-pentanone	ND	989		mg/kg dry	1370	72%	19 - 176	9074689	NSG2141-01RE3	07/31/09 08:26
Naphthalene	11.2	245		mg/kg dry	274	85%	10 - 160	9074689	NSG2141-01RE3	07/31/09 08:26
n-Propylbenzene	12.1	265		mg/kg dry	274	92%	16 - 174	9074689	NSG2141-01RE3	07/31/09 08:26
Styrene	ND	271		mg/kg dry	274	99%	10 - 177	9074689	NSG2141-01RE3	07/31/09 08:26
1,1,1,2-Tetrachloroethane	ND	249		mg/kg dry	274	91%	31 - 150	9074689	NSG2141-01RE3	07/31/09 08:26
1,1,2,2-Tetrachloroethane	ND	206		mg/kg dry	274	75%	27 - 163	9074689	NSG2141-01RE3	07/31/09 08:26
Tetrachloroethene	ND	298		mg/kg dry	274	109%	33 - 155	9074689	NSG2141-01RE3	07/31/09 08:26
Toluene	74.9	332		mg/kg dry	274	94%	45 - 145	9074689	NSG2141-01RE3	07/31/09 08:26
1,2,3-Trichlorobenzene	ND	262		mg/kg dry	274	95%	10 - 182	9074689	NSG2141-01RE3	07/31/09 08:26
1,2,4-Trichlorobenzene	ND	275		mg/kg dry	274	100%	10 - 175	9074689	NSG2141-01RE3	07/31/09 08:26
1,1,2-Trichloroethane	ND	217		mg/kg dry	274	79%	43 - 145	9074689	NSG2141-01RE3	07/31/09 08:26
1,1,1-Trichloroethane	ND	251		mg/kg dry	274	92%	39 - 148	9074689	NSG2141-01RE3	07/31/09 08:26
Trichloroethene	ND	264		mg/kg dry	274	96%	39 - 150	9074689	NSG2141-01RE3	07/31/09 08:26
Trichlorofluoromethane	ND	277		mg/kg dry	274	101%	25 - 174	9074689	NSG2141-01RE3	07/31/09 08:26
1,2,3-Trichloropropane	ND	195		mg/kg dry	274	71%	10 - 152	9074689	NSG2141-01RE3	07/31/09 08:26
1,3,5-Trimethylbenzene	19.4	287		mg/kg dry	274	98%	38 - 148	9074689	NSG2141-01RE3	07/31/09 08:26
1,2,4-Trimethylbenzene	66.9	330		mg/kg dry	274	96%	22 - 164	9074689	NSG2141-01RE3	07/31/09 08:26
Vinyl chloride	ND	266		mg/kg dry	274	97%	32 - 163	9074689	NSG2141-01RE3	07/31/09 08:26
Xylenes, total	169	958		mg/kg dry	823	96%	31 - 159	9074689	NSG2141-01RE3	07/31/09 08:26
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/kg	50.0	99%	67 - 138	9074689	NSG2141-01RE3	07/31/09 08:26
Surrogate: Dibromofluoromethane		48.3		ug/kg	50.0	97%	75 - 125	9074689	NSG2141-01RE3	07/31/09 08:26
Surrogate: Toluene-d8		49.5		ug/kg	50.0	99%	76 - 129	9074689	NSG2141-01RE3	07/31/09 08:26

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9074689-MS1										
Surrogate: 4-Bromofluorobenzene		48.5		ug/kg	50.0	97%	67 - 147	9074689	NSG2141-01RE3	07/31/09 08:26
Polyaromatic Hydrocarbons by EPA 8270C										
9074490-MS1										
Acenaphthene	ND	1.48		mg/kg dry	2.12	70%	42 - 120	9074490	NSG2141-02	08/03/09 00:35
Acenaphthylene	ND	1.53		mg/kg dry	2.12	72%	32 - 120	9074490	NSG2141-02	08/03/09 00:35
Anthracene	0.0587	1.73		mg/kg dry	2.12	79%	10 - 200	9074490	NSG2141-02	08/03/09 00:35
Benzo (a) anthracene	ND	1.50		mg/kg dry	2.12	71%	41 - 120	9074490	NSG2141-02	08/03/09 00:35
Benzo (a) pyrene	ND	1.35		mg/kg dry	2.12	64%	33 - 121	9074490	NSG2141-02	08/03/09 00:35
Benzo (b) fluoranthene	ND	1.48		mg/kg dry	2.12	70%	26 - 137	9074490	NSG2141-02	08/03/09 00:35
Benzo (g,h,i) perylene	ND	1.86		mg/kg dry	2.12	88%	21 - 124	9074490	NSG2141-02	08/03/09 00:35
Benzo (k) fluoranthene	ND	1.12		mg/kg dry	2.12	53%	14 - 140	9074490	NSG2141-02	08/03/09 00:35
Chrysene	ND	1.49		mg/kg dry	2.12	70%	28 - 123	9074490	NSG2141-02	08/03/09 00:35
Dibenz (a,h) anthracene	ND	1.44		mg/kg dry	2.12	68%	25 - 127	9074490	NSG2141-02	08/03/09 00:35
Fluoranthene	0.0642	1.76		mg/kg dry	2.12	80%	38 - 120	9074490	NSG2141-02	08/03/09 00:35
Fluorene	0.106	1.47		mg/kg dry	2.12	64%	41 - 120	9074490	NSG2141-02	08/03/09 00:35
Indeno (1,2,3-cd) pyrene	ND	1.50		mg/kg dry	2.12	71%	25 - 123	9074490	NSG2141-02	08/03/09 00:35
Naphthalene	1.76	7.63	M1	mg/kg dry	2.12	277%	25 - 120	9074490	NSG2141-02	08/03/09 00:35
Phenanthrene	0.189	1.79		mg/kg dry	2.12	76%	37 - 120	9074490	NSG2141-02	08/03/09 00:35
Pyrene	0.0764	1.63		mg/kg dry	2.12	74%	29 - 125	9074490	NSG2141-02	08/03/09 00:35
Surrogate: Terphenyl-d14		1.43		mg/kg dry	2.12	68%	18 - 120	9074490	NSG2141-02	08/03/09 00:35
Surrogate: 2-Fluorobiphenyl		1.31		mg/kg dry	2.12	62%	14 - 120	9074490	NSG2141-02	08/03/09 00:35
Surrogate: Nitrobenzene-d5		1.19		mg/kg dry	2.12	56%	17 - 120	9074490	NSG2141-02	08/03/09 00:35
Extractable Petroleum Hydrocarbons										
9073830-MS1										
Diesel	ND	36.2		mg/kg dry	45.1	80%	10 - 154	9073830	NSG2105-05	07/31/09 02:35
Surrogate: o-Terphenyl		1.00		mg/kg dry	0.901	111%	29 - 141	9073830	NSG2105-05	07/31/09 02:35
Purgeable Petroleum Hydrocarbons										
9073778-MS1										
GRO as Gasoline	4.05	488		mg/kg dry	489	99%	32 - 150	9073778	NSG2106-01	07/29/09 11:09
Surrogate: a,a,a-Trifluorotoluene		26.9		ug/L	30.0	90%	52 - 145	9073778	NSG2106-01	07/29/09 11:09

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
9074168-MSD1												
Arsenic	2.28	24.2		mg/kg dry	28.2	78%	75 - 125	5	20	9074168	NSG2105-04	07/31/09 08:55
Barium	88.0	1030		mg/kg dry	1130	83%	75 - 125	1	20	9074168	NSG2105-04	07/31/09 08:55
Cadmium	ND	21.1		mg/kg dry	28.2	75%	75 - 125	3	20	9074168	NSG2105-04	07/31/09 08:55
Chromium	19.1	116		mg/kg dry	113	86%	75 - 125	2	20	9074168	NSG2105-04	07/31/09 08:55
Lead	35.5	44.4	M2, R2	mg/kg dry	28.2	31%	75 - 125	32	20	9074168	NSG2105-04	07/31/09 08:55
Selenium	3.16	25.0		mg/kg dry	28.2	77%	75 - 125	6	20	9074168	NSG2105-04	07/31/09 08:55
Silver	ND	17.4	M2	mg/kg dry	28.2	62%	75 - 125	3	20	9074168	NSG2105-04	07/31/09 08:55
Mercury by EPA Methods 7470A/7471A												
9074384-MSD1												
Mercury	ND	0.149	R3	mg/kg wet	0.160	93%	75 - 125	22	20	9074384	NSG2114-01	07/31/09 11:50
Volatile Organic Compounds by EPA Method 8260B												
9073757-MSD1												
Acetone	ND	247		ug/kg	250	99%	29 - 181	0.2	50	9073757	NSG2159-03	07/30/09 21:12
Benzene	0.245	46.1		ug/kg	50.0	92%	42 - 141	13	50	9073757	NSG2159-03	07/30/09 21:12
Bromobenzene	ND	46.0		ug/kg	50.0	92%	19 - 154	15	50	9073757	NSG2159-03	07/30/09 21:12
Bromochloromethane	ND	47.6		ug/kg	50.0	95%	41 - 146	14	50	9073757	NSG2159-03	07/30/09 21:12
Bromodichloromethane	ND	43.6		ug/kg	50.0	87%	32 - 155	12	50	9073757	NSG2159-03	07/30/09 21:12
Bromoform	ND	42.4		ug/kg	50.0	85%	10 - 155	17	43	9073757	NSG2159-03	07/30/09 21:12
Bromomethane	ND	30.9		ug/kg	50.0	62%	10 - 199	16	46	9073757	NSG2159-03	07/30/09 21:12
2-Butanone	ND	230		ug/kg	250	92%	38 - 161	16	50	9073757	NSG2159-03	07/30/09 21:12
sec-Butylbenzene	ND	48.8		ug/kg	50.0	98%	10 - 170	16	50	9073757	NSG2159-03	07/30/09 21:12
n-Butylbenzene	ND	49.8		ug/kg	50.0	100%	10 - 183	16	50	9073757	NSG2159-03	07/30/09 21:12
tert-Butylbenzene	ND	49.2		ug/kg	50.0	98%	11 - 165	15	50	9073757	NSG2159-03	07/30/09 21:12
Carbon disulfide	ND	53.6		ug/kg	50.0	107%	50 - 136	0.8	48	9073757	NSG2159-03	07/30/09 21:12
Carbon Tetrachloride	ND	50.4		ug/kg	50.0	101%	30 - 159	10	44	9073757	NSG2159-03	07/30/09 21:12
Chlorobenzene	ND	45.8		ug/kg	50.0	92%	25 - 151	15	50	9073757	NSG2159-03	07/30/09 21:12
Chlorodibromomethane	ND	34.6		ug/kg	50.0	69%	27 - 150	35	48	9073757	NSG2159-03	07/30/09 21:12
Chloroethane	ND	63.3		ug/kg	50.0	127%	15 - 197	17	50	9073757	NSG2159-03	07/30/09 21:12
Chloroform	3.45	45.6		ug/kg	50.0	84%	33 - 148	9	50	9073757	NSG2159-03	07/30/09 21:12
Chloromethane	ND	39.6		ug/kg	50.0	79%	10 - 166	16	44	9073757	NSG2159-03	07/30/09 21:12
2-Chlorotoluene	ND	46.3		ug/kg	50.0	93%	25 - 166	15	50	9073757	NSG2159-03	07/30/09 21:12
4-Chlorotoluene	ND	45.8		ug/kg	50.0	92%	19 - 163	18	50	9073757	NSG2159-03	07/30/09 21:12
1,2-Dibromo-3-chloropropane	ND	46.1		ug/kg	50.0	92%	10 - 167	18	45	9073757	NSG2159-03	07/30/09 21:12
1,2-Dibromoethane (EDB)	ND	36.1		ug/kg	50.0	72%	30 - 155	38	45	9073757	NSG2159-03	07/30/09 21:12
Dibromomethane	ND	46.9		ug/kg	50.0	94%	30 - 149	14	50	9073757	NSG2159-03	07/30/09 21:12
1,4-Dichlorobenzene	ND	48.5		ug/kg	50.0	97%	10 - 170	16	50	9073757	NSG2159-03	07/30/09 21:12
1,3-Dichlorobenzene	ND	48.1		ug/kg	50.0	96%	10 - 173	16	50	9073757	NSG2159-03	07/30/09 21:12
1,2-Dichlorobenzene	ND	47.9		ug/kg	50.0	96%	10 - 168	16	50	9073757	NSG2159-03	07/30/09 21:12
Dichlorodifluoromethane	ND	73.5		ug/kg	50.0	147%	10 - 188	5	50	9073757	NSG2159-03	07/30/09 21:12

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9073757-MSD1												
1,1-Dichloroethane	ND	46.0		ug/kg	50.0	92%	51 - 135	9	50	9073757	NSG2159-03	07/30/09 21:12
1,2-Dichloroethane	ND	47.8		ug/kg	50.0	96%	32 - 155	9	50	9073757	NSG2159-03	07/30/09 21:12
cis-1,2-Dichloroethene	ND	46.5		ug/kg	50.0	93%	32 - 150	10	50	9073757	NSG2159-03	07/30/09 21:12
1,1-Dichloroethene	ND	57.8		ug/kg	50.0	116%	46 - 141	8	50	9073757	NSG2159-03	07/30/09 21:12
trans-1,2-Dichloroethene	ND	49.0		ug/kg	50.0	98%	41 - 146	4	40	9073757	NSG2159-03	07/30/09 21:12
1,3-Dichloropropane	ND	33.9		ug/kg	50.0	68%	35 - 148	33	42	9073757	NSG2159-03	07/30/09 21:12
1,2-Dichloropropane	ND	42.4		ug/kg	50.0	85%	34 - 139	16	50	9073757	NSG2159-03	07/30/09 21:12
2,2-Dichloropropane	ND	48.5		ug/kg	50.0	97%	29 - 152	7	39	9073757	NSG2159-03	07/30/09 21:12
cis-1,3-Dichloropropene	ND	34.6		ug/kg	50.0	69%	23 - 152	29	50	9073757	NSG2159-03	07/30/09 21:12
trans-1,3-Dichloropropene	ND	34.9		ug/kg	50.0	70%	24 - 151	29	48	9073757	NSG2159-03	07/30/09 21:12
1,1-Dichloropropene	ND	48.2		ug/kg	50.0	96%	40 - 151	11	50	9073757	NSG2159-03	07/30/09 21:12
Ethylbenzene	1.32	48.9		ug/kg	50.0	95%	21 - 165	13	50	9073757	NSG2159-03	07/30/09 21:12
Hexachlorobutadiene	ND	57.3		ug/kg	50.0	115%	10 - 173	13	50	9073757	NSG2159-03	07/30/09 21:12
2-Hexanone	ND	166		ug/kg	250	66%	13 - 174	41	50	9073757	NSG2159-03	07/30/09 21:12
Isopropylbenzene	ND	49.5		ug/kg	50.0	99%	20 - 139	14	50	9073757	NSG2159-03	07/30/09 21:12
p-Isopropyltoluene	ND	48.6		ug/kg	50.0	97%	10 - 164	16	50	9073757	NSG2159-03	07/30/09 21:12
Methyl tert-Butyl Ether	ND	46.4		ug/kg	50.0	93%	34 - 154	13	50	9073757	NSG2159-03	07/30/09 21:12
Methylene Chloride	4.59	55.8		ug/kg	50.0	102%	36 - 163	2	50	9073757	NSG2159-03	07/30/09 21:12
4-Methyl-2-pentanone	ND	159		ug/kg	250	64%	19 - 176	35	45	9073757	NSG2159-03	07/30/09 21:12
Naphthalene	1.78	50.8		ug/kg	50.0	98%	10 - 160	16	50	9073757	NSG2159-03	07/30/09 21:12
n-Propylbenzene	ND	45.8		ug/kg	50.0	92%	16 - 174	16	50	9073757	NSG2159-03	07/30/09 21:12
Styrene	ND	50.2		ug/kg	50.0	100%	10 - 177	13	50	9073757	NSG2159-03	07/30/09 21:12
1,1,1,2-Tetrachloroethane	ND	45.4		ug/kg	50.0	91%	31 - 150	16	50	9073757	NSG2159-03	07/30/09 21:12
1,1,2,2-Tetrachloroethane	ND	42.3		ug/kg	50.0	85%	27 - 163	17	45	9073757	NSG2159-03	07/30/09 21:12
Tetrachloroethene	ND	40.7		ug/kg	50.0	81%	33 - 155	30	50	9073757	NSG2159-03	07/30/09 21:12
Toluene	1.68	36.7		ug/kg	50.0	70%	45 - 145	30	50	9073757	NSG2159-03	07/30/09 21:12
1,2,3-Trichlorobenzene	ND	51.9		ug/kg	50.0	104%	10 - 182	14	50	9073757	NSG2159-03	07/30/09 21:12
1,2,4-Trichlorobenzene	ND	55.8		ug/kg	50.0	112%	10 - 175	13	50	9073757	NSG2159-03	07/30/09 21:12
1,1,2-Trichloroethane	ND	31.7		ug/kg	50.0	63%	43 - 145	33	50	9073757	NSG2159-03	07/30/09 21:12
1,1,1-Trichloroethane	ND	47.2		ug/kg	50.0	94%	39 - 148	11	41	9073757	NSG2159-03	07/30/09 21:12
Trichloroethene	ND	48.7		ug/kg	50.0	97%	39 - 150	15	50	9073757	NSG2159-03	07/30/09 21:12
Trichlorofluoromethane	ND	61.1		ug/kg	50.0	122%	25 - 174	6	47	9073757	NSG2159-03	07/30/09 21:12
1,2,3-Trichloropropane	ND	36.6		ug/kg	50.0	73%	10 - 152	29	47	9073757	NSG2159-03	07/30/09 21:12
1,3,5-Trimethylbenzene	0.695	49.1		ug/kg	50.0	97%	38 - 148	15	50	9073757	NSG2159-03	07/30/09 21:12
1,2,4-Trimethylbenzene	3.85	50.3		ug/kg	50.0	93%	22 - 164	16	50	9073757	NSG2159-03	07/30/09 21:12
Vinyl chloride	ND	60.8		ug/kg	50.0	122%	32 - 163	12	39	9073757	NSG2159-03	07/30/09 21:12
Xylenes, total	5.06	149		ug/kg	150	96%	31 - 159	12	50	9073757	NSG2159-03	07/30/09 21:12
Surrogate: 1,2-Dichloroethane-d4		54.7		ug/kg	50.0	109%	67 - 138			9073757	NSG2159-03	07/30/09 21:12
Surrogate: Dibromofluoromethane		50.5		ug/kg	50.0	101%	75 - 125			9073757	NSG2159-03	07/30/09 21:12
Surrogate: Toluene-d8		36.9	ZX	ug/kg	50.0	74%	76 - 129			9073757	NSG2159-03	07/30/09 21:12
Surrogate: 4-Bromofluorobenzene		48.1		ug/kg	50.0	96%	67 - 147			9073757	NSG2159-03	07/30/09 21:12

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9074689-MSD1												
Acetone	ND	1380		mg/kg dry	1370	101%	29 - 181	4	50	9074689	NSG2141-01RE3	07/31/09 08:56
Benzene	4.22	266		mg/kg dry	274	95%	42 - 141	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
Bromobenzene	ND	258		mg/kg dry	274	94%	19 - 154	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
Bromochloromethane	ND	269		mg/kg dry	274	98%	41 - 146	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
Bromodichloromethane	ND	247		mg/kg dry	274	90%	32 - 155	10	50	9074689	NSG2141-01RE3	07/31/09 08:56
Bromoform	ND	243		mg/kg dry	274	88%	10 - 155	7	43	9074689	NSG2141-01RE3	07/31/09 08:56
Bromomethane	ND	138		mg/kg dry	274	50%	10 - 199	7	46	9074689	NSG2141-01RE3	07/31/09 08:56
2-Butanone	ND	1260		mg/kg dry	1370	92%	38 - 161	8	50	9074689	NSG2141-01RE3	07/31/09 08:56
sec-Butylbenzene	ND	292		mg/kg dry	274	106%	10 - 170	8	50	9074689	NSG2141-01RE3	07/31/09 08:56
n-Butylbenzene	5.71	286		mg/kg dry	274	102%	10 - 183	7	50	9074689	NSG2141-01RE3	07/31/09 08:56
tert-Butylbenzene	ND	287		mg/kg dry	274	105%	11 - 165	8	50	9074689	NSG2141-01RE3	07/31/09 08:56
Carbon disulfide	ND	307		mg/kg dry	274	112%	50 - 136	19	48	9074689	NSG2141-01RE3	07/31/09 08:56
Carbon Tetrachloride	ND	286		mg/kg dry	274	104%	30 - 159	7	44	9074689	NSG2141-01RE3	07/31/09 08:56
Chlorobenzene	ND	265		mg/kg dry	274	96%	25 - 151	7	50	9074689	NSG2141-01RE3	07/31/09 08:56
Chlorodibromomethane	ND	258		mg/kg dry	274	94%	27 - 150	6	48	9074689	NSG2141-01RE3	07/31/09 08:56
Chloroethane	ND	251		mg/kg dry	274	91%	15 - 197	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
Chloroform	ND	241		mg/kg dry	274	88%	33 - 148	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
Chloromethane	ND	188		mg/kg dry	274	69%	10 - 166	15	44	9074689	NSG2141-01RE3	07/31/09 08:56
2-Chlorotoluene	ND	283		mg/kg dry	274	103%	25 - 166	7	50	9074689	NSG2141-01RE3	07/31/09 08:56
4-Chlorotoluene	ND	273		mg/kg dry	274	100%	19 - 163	8	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,2-Dibromo-3-chloropropane	ND	239		mg/kg dry	274	87%	10 - 167	14	45	9074689	NSG2141-01RE3	07/31/09 08:56
1,2-Dibromoethane (EDB)	ND	257		mg/kg dry	274	94%	30 - 155	5	45	9074689	NSG2141-01RE3	07/31/09 08:56
Dibromomethane	ND	250		mg/kg dry	274	91%	30 - 149	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,4-Dichlorobenzene	ND	269		mg/kg dry	274	98%	10 - 170	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,3-Dichlorobenzene	ND	278		mg/kg dry	274	101%	10 - 173	8	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,2-Dichlorobenzene	ND	274		mg/kg dry	274	100%	10 - 168	6	50	9074689	NSG2141-01RE3	07/31/09 08:56

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9074689-MSD1												
Dichlorodifluoromethane	ND	335		mg/kg dry	274	122%	10 - 188	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,1-Dichloroethane	ND	265		mg/kg dry	274	97%	51 - 135	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,2-Dichloroethane	ND	254		mg/kg dry	274	93%	32 - 155	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
cis-1,2-Dichloroethene	ND	262		mg/kg dry	274	96%	32 - 150	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,1-Dichloroethene	ND	287		mg/kg dry	274	105%	46 - 141	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
trans-1,2-Dichloroethene	ND	273		mg/kg dry	274	99%	41 - 146	5	40	9074689	NSG2141-01RE3	07/31/09 08:56
1,3-Dichloropropane	ND	241		mg/kg dry	274	88%	35 - 148	4	42	9074689	NSG2141-01RE3	07/31/09 08:56
1,2-Dichloropropane	ND	240		mg/kg dry	274	88%	34 - 139	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
2,2-Dichloropropane	ND	255		mg/kg dry	274	93%	29 - 152	4	39	9074689	NSG2141-01RE3	07/31/09 08:56
cis-1,3-Dichloropropene	ND	246		mg/kg dry	274	90%	23 - 152	4	50	9074689	NSG2141-01RE3	07/31/09 08:56
trans-1,3-Dichloropropene	ND	239		mg/kg dry	274	87%	24 - 151	4	48	9074689	NSG2141-01RE3	07/31/09 08:56
1,1-Dichloropropene	ND	280		mg/kg dry	274	102%	40 - 151	8	50	9074689	NSG2141-01RE3	07/31/09 08:56
Ethylbenzene	33.5	310		mg/kg dry	274	101%	21 - 165	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
Hexachlorobutadiene	ND	340		mg/kg dry	274	124%	10 - 173	12	50	9074689	NSG2141-01RE3	07/31/09 08:56
2-Hexanone	ND	1090		mg/kg dry	1370	80%	13 - 174	12	50	9074689	NSG2141-01RE3	07/31/09 08:56
Isopropylbenzene	ND	289		mg/kg dry	274	105%	20 - 139	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
p-Isopropyltoluene	ND	284		mg/kg dry	274	104%	10 - 164	7	50	9074689	NSG2141-01RE3	07/31/09 08:56
Methyl tert-Butyl Ether	ND	244		mg/kg dry	274	89%	34 - 154	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
Methylene Chloride	ND	271		mg/kg dry	274	99%	36 - 163	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
4-Methyl-2-pentanone	ND	1080		mg/kg dry	1370	79%	19 - 176	9	45	9074689	NSG2141-01RE3	07/31/09 08:56
Naphthalene	11.2	291		mg/kg dry	274	102%	10 - 160	17	50	9074689	NSG2141-01RE3	07/31/09 08:56
n-Propylbenzene	12.1	282		mg/kg dry	274	98%	16 - 174	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
Styrene	ND	287		mg/kg dry	274	104%	10 - 177	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,1,1,2-Tetrachloroethane	ND	273		mg/kg dry	274	100%	31 - 150	9	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,1,2,2-Tetrachloroethane	ND	219		mg/kg dry	274	80%	27 - 163	6	45	9074689	NSG2141-01RE3	07/31/09 08:56
Tetrachloroethene	ND	311		mg/kg dry	274	114%	33 - 155	4	50	9074689	NSG2141-01RE3	07/31/09 08:56

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9074689-MSD1												
Toluene	74.9	335		mg/kg dry	274	95%	45 - 145	0.9	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,2,3-Trichlorobenzene	ND	286		mg/kg dry	274	104%	10 - 182	9	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,2,4-Trichlorobenzene	ND	304		mg/kg dry	274	111%	10 - 175	10	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,1,2-Trichloroethane	ND	229		mg/kg dry	274	84%	43 - 145	6	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,1,1-Trichloroethane	ND	269		mg/kg dry	274	98%	39 - 148	7	41	9074689	NSG2141-01RE3	07/31/09 08:56
Trichloroethene	ND	282		mg/kg dry	274	103%	39 - 150	7	50	9074689	NSG2141-01RE3	07/31/09 08:56
Trichlorofluoromethane	ND	294		mg/kg dry	274	107%	25 - 174	6	47	9074689	NSG2141-01RE3	07/31/09 08:56
1,2,3-Trichloropropane	ND	211		mg/kg dry	274	77%	10 - 152	8	47	9074689	NSG2141-01RE3	07/31/09 08:56
1,3,5-Trimethylbenzene	19.4	303		mg/kg dry	274	103%	38 - 148	5	50	9074689	NSG2141-01RE3	07/31/09 08:56
1,2,4-Trimethylbenzene	66.9	344		mg/kg dry	274	101%	22 - 164	4	50	9074689	NSG2141-01RE3	07/31/09 08:56
Vinyl chloride	ND	284		mg/kg dry	274	104%	32 - 163	6	39	9074689	NSG2141-01RE3	07/31/09 08:56
Xylenes, total	169	1000		mg/kg dry	823	101%	31 - 159	4	50	9074689	NSG2141-01RE3	07/31/09 08:56
Surrogate: 1,2-Dichloroethane-d4		50.6		ug/kg	50.0	101%	67 - 138			9074689	NSG2141-01RE3	07/31/09 08:56
Surrogate: Dibromofluoromethane		49.2		ug/kg	50.0	98%	75 - 125			9074689	NSG2141-01RE3	07/31/09 08:56
Surrogate: Toluene-d8		48.4		ug/kg	50.0	97%	76 - 129			9074689	NSG2141-01RE3	07/31/09 08:56
Surrogate: 4-Bromofluorobenzene		49.4		ug/kg	50.0	99%	67 - 147			9074689	NSG2141-01RE3	07/31/09 08:56
Polyaromatic Hydrocarbons by EPA 8270C												
9074490-MSD1												
Acenaphthene	ND	1.55		mg/kg dry	2.15	72%	42 - 120	5	40	9074490	NSG2141-02	08/03/09 00:57
Acenaphthylene	ND	1.60		mg/kg dry	2.15	74%	32 - 120	4	30	9074490	NSG2141-02	08/03/09 00:57
Anthracene	0.0587	1.75		mg/kg dry	2.15	78%	10 - 200	1	50	9074490	NSG2141-02	08/03/09 00:57
Benzo (a) anthracene	ND	1.55		mg/kg dry	2.15	72%	41 - 120	3	30	9074490	NSG2141-02	08/03/09 00:57
Benzo (a) pyrene	ND	1.31		mg/kg dry	2.15	61%	33 - 121	2	33	9074490	NSG2141-02	08/03/09 00:57
Benzo (b) fluoranthene	ND	1.36		mg/kg dry	2.15	63%	26 - 137	8	42	9074490	NSG2141-02	08/03/09 00:57
Benzo (g,h,i) perylene	ND	1.94		mg/kg dry	2.15	90%	21 - 124	4	32	9074490	NSG2141-02	08/03/09 00:57
Benzo (k) fluoranthene	ND	1.20		mg/kg dry	2.15	56%	14 - 140	7	39	9074490	NSG2141-02	08/03/09 00:57
Chrysene	ND	1.27		mg/kg dry	2.15	59%	28 - 123	15	34	9074490	NSG2141-02	08/03/09 00:57
Dibenz (a,h) anthracene	ND	1.40		mg/kg dry	2.15	65%	25 - 127	3	31	9074490	NSG2141-02	08/03/09 00:57
Fluoranthene	0.0642	1.73		mg/kg dry	2.15	77%	38 - 120	2	35	9074490	NSG2141-02	08/03/09 00:57
Fluorene	0.106	1.45		mg/kg dry	2.15	63%	41 - 120	1	37	9074490	NSG2141-02	08/03/09 00:57
Indeno (1,2,3-cd) pyrene	ND	1.48		mg/kg dry	2.15	69%	25 - 123	1	32	9074490	NSG2141-02	08/03/09 00:57

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Polyaromatic Hydrocarbons by EPA 8270C												
9074490-MSD1												
Naphthalene	1.76	4.40	M1, R2	mg/kg dry	2.15	123%	25 - 120	54	42	9074490	NSG2141-02	08/03/09 00:57
Phenanthrene	0.189	1.79		mg/kg dry	2.15	74%	37 - 120	0.4	32	9074490	NSG2141-02	08/03/09 00:57
Pyrene	0.0764	1.68		mg/kg dry	2.15	75%	29 - 125	3	40	9074490	NSG2141-02	08/03/09 00:57
Surrogate: Terphenyl-d14		1.49		mg/kg dry	2.15	69%	18 - 120			9074490	NSG2141-02	08/03/09 00:57
Surrogate: 2-Fluorobiphenyl		1.48		mg/kg dry	2.15	69%	14 - 120			9074490	NSG2141-02	08/03/09 00:57
Surrogate: Nitrobenzene-d5		1.33		mg/kg dry	2.15	62%	17 - 120			9074490	NSG2141-02	08/03/09 00:57
Extractable Petroleum Hydrocarbons												
9073830-MSD1												
Diesel	ND	37.2		mg/kg dry	46.1	81%	10 - 154	3	48	9073830	NSG2105-05	07/31/09 02:52
Surrogate: o-Terphenyl		1.02		mg/kg dry	0.921	111%	29 - 141			9073830	NSG2105-05	07/31/09 02:52
Purgeable Petroleum Hydrocarbons												
9073778-MSD1												
GRO as Gasoline	4.05	491		mg/kg dry	489	100%	32 - 150	0.6	29	9073778	NSG2106-01	07/29/09 11:51
Surrogate: a,a,a-Trifluorotoluene		27.8		ug/L	30.0	93%	52 - 145			9073778	NSG2106-01	07/29/09 11:51

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Maryland
SW846 6010B	Soil	N/A	X	N/A
SW846 7471A	Soil		X	N/A
SW846 8015B	Soil	N/A	X	N/A
SW846 8260B	Soil	N/A	X	N/A
SW846 8270C	Soil	N/A	X	N/A
SW-846	Soil			

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSG2141
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	07/25/09 08:30

DATA QUALIFIERS AND DEFINITIONS

M1	The MS and/or MSD were above the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
M2	The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
R2	The RPD exceeded the acceptance limit.
R3	The RPD exceeded the acceptance limit due to sample matrix effects.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

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Revised

ExxonMobil

Page 1 of 1

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print) Laurance Goodman
SamplerSignature: Laurance Goodman

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: - YOM - Annapolis - 27235
Facility ID: [none]
Site Address:
City,State,Zip: Maryland
Regulatory District (CA):

ISG2141
7/03/09 23:59

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Red Label) Glass H2SO4	(Black Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: MTBE + 8260B Volatile Organics	8270C Polyaromatic Hydrocarbons	Barium Total EPA 6010B	RCRA Priority Pollutant Metals SW846	Solids Percent Dry Weight	TPH - Diesel Range SW846 8015B	TPH-Gasoline Range SW8015	EPA 8015 GRO	EPA 8015 DRO	HOLD					RUSH TAT (Pre Scheduled)*
MW3(8-8.5)	7/24/09	1200	6	X			X	X										2	X		X			X	X	X	X	X	X						
MW3(6-6.5)		1200	6	X			X	X										2	X		X	X		X	X	X	X	X	X						
MW3(4-4.5)		1200	6	X			X	X										2	X		X			X											

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.

NOTES/SPECIAL INSTRUCTIONS: BO # 15624

* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager: Date:
There may be a charge assessed for TestAmerica disposing of sample remainders.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Laurance Goodman	7/24/09	1300	Bryant Ellis	7/24/09			7-24-09	04:30
Shipped Via: Courier			Shipped Via: Courier					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt: 5.2	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
	7/25/09	1:30		VOCs Free of Headspace? Y N				

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ExxonMobil

Page 1 of 1

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print) Laurance Goodman
SamplerSignature: Laurance Goodman

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: - XOM - Annapolis - 27235
Facility ID: [none]
Site Address:
City,State,Zip: Maryland
Regulatory District (CA):

ISG2141
3/03/09 23:59

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: BTEX + 8260B Volatile Organics	8270C Polyaromatic Hydrocarbons	Barium Total EPA 6010B	Priority Pollutant Metals SW846	Solids Percent Dry Weight	TPH - Diesel Range SW846 8015B	TPH-Gasoline Range SW8015	EPA 8015 GRO	EPA 8015 DRO							RUSH TAT (Pre-Schedule)*
MW3(8-8.5)	7/24/09	1200	6	X			X	X									3		X		X			X			X	X	X						
MW3(6-6.5)		1200	6	X			X	X									2		X		X			X			X	X	X						
MW3(4-4.5)		1200	6	X			X	X									3		X		X			X			X	X	X						

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
*It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager: Date:
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15624

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Laurance Goodman	7/24/09	1300	Bryant Ellis	7/24/09			7-24-09	14:30
Shipped Via: Courier			Shipped Via: Courier					
Received for TestAmerica by:	Date: 7/25/09	Time: 8:30	Temperature Upon Receipt: 5.2	Sample Containers Intact? Y N	VOCs Free of Headspace? Y N	QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	

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Nashville, TN

COOLER RE

NSG2141

Cooler Received/Opened On: 7/25/2009 @ 8:30

1. Tracking # 6886 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened: 5.2 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) NO NA

If yes, how many and where: 1 Front

5. Were the seals intact, signed, and dated correctly? (YES) NO NA

6. Were custody papers inside cooler? (YES) NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES NO (NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES) NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES) NO NA

12. Did all container labels and tags agree with custody papers? (YES) NO NA

13a. Were VOA vials received? (YES) NO NA

b. Was there any observable headspace present in any VOA vial? YES NO (NA)

14. Was there a Trip Blank in this cooler? (YES) NO NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES) NO NA

16. Was residual chlorine present? YES NO (NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? (YES) NO NA

18. Did you sign the custody papers in the appropriate place? (YES) NO NA

19. Were correct containers used for the analysis requested? (YES) NO NA

20 Was sufficient amount of sample sent in each container? (YES) NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES (NO) #_____

1 of the VOA Containers for MW3 (6-6) was labeled "Goodman"

14) Logged with other project

BIS = Broken in shipment
Cooler Receipt Form doc

LF-1
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

August 28, 2009 1:20:50PM

Client: CDM Camp Dresser & McKee (Divestment)
50 Hampshire Street
Cambridge, MA 02139
Attn: Debra Beck

Work Order: NSH1384
Project Name: Exxon 27235
Project Nbr: 27235 - Annapolis, MD
P/O Nbr:
Date Received: 08/15/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW02 ALT (4446)	NSH1384-01	08/10/09 14:14
MW03 ALT (1416)	NSH1384-02	08/12/09 12:45
MW04 ALT (0507)	NSH1384-03	08/12/09 15:35
Trip Blank	NSH1384-04	08/10/09 00:01

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

The volatiles method blank for batch 9084117 was positive above the reporting limits for toluene. The associated samples were either non-detect at the reporting limits or the result was greater than 10x the amount in the blank; therefore the data was accepted without further analysis.
Maryland Certification Number: 316

The Chain(s) of Custody, 6 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Gail A Lage

Program Manager - National Accounts

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH1384-01 (MW02 ALT (4446) - Soil) Sampled: 08/10/09 14:14								
General Chemistry Parameters								
% Dry Solids	**89.5**		%	0.500	1	08/20/09 11:10	SW-846	9082949
Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.00201**		mg/kg dry	0.00177	1	08/20/09 02:45	SW846 8260B	9082878
Ethylbenzene	**0.0221**		mg/kg dry	0.00177	1	08/20/09 02:45	SW846 8260B	9082878
Methyl tert-Butyl Ether	ND		mg/kg dry	0.00177	1	08/20/09 02:45	SW846 8260B	9082878
Toluene	**0.0391**		mg/kg dry	0.00177	1	08/20/09 02:45	SW846 8260B	9082878
Xylenes, total	**0.196**		mg/kg dry	0.00441	1	08/20/09 02:45	SW846 8260B	9082878
Surr: 1,2-Dichloroethane-d4 (67-138%)	*103 %*					*08/20/09 02:45*	*SW846 8260B*	*9082878*
Surr: Dibromofluoromethane (75-125%)	*104 %*					*08/20/09 02:45*	*SW846 8260B*	*9082878*
Surr: Toluene-d8 (76-129%)	*101 %*					*08/20/09 02:45*	*SW846 8260B*	*9082878*
Surr: 4-Bromofluorobenzene (67-147%)	*98 %*					*08/20/09 02:45*	*SW846 8260B*	*9082878*
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg dry	5.56	1	08/20/09 23:10	SW846 8015B	9082655
Surr: o-Terphenyl (29-141%)	*58 %*					*08/20/09 23:10*	*SW846 8015B*	*9082655*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg dry	4.89	50	08/18/09 16:34	SW846 8015B	9082530
Surr: a,a,a-Trifluorotoluene (52-145%)	*80 %*					*08/18/09 16:34*	*SW846 8015B*	*9082530*
Sample ID: NSH1384-02 (MW03 ALT (1416) - Soil) Sampled: 08/12/09 12:45								
General Chemistry Parameters								
% Dry Solids	**85.7**		%	0.500	1	08/28/09 11:38	SW-846	9084396
Volatile Organic Compounds by EPA Method 8260B								
Benzene	**53.9**		mg/kg dry	13.0	5000	08/26/09 22:16	SW846 8260B	9084117
Ethylbenzene	**69.9**		mg/kg dry	13.0	5000	08/26/09 22:16	SW846 8260B	9084117
Methyl tert-Butyl Ether	ND		mg/kg dry	0.259	100	08/26/09 21:46	SW846 8260B	9084117
Toluene	**337**	B1, B	mg/kg dry	13.0	5000	08/26/09 22:16	SW846 8260B	9084117
Xylenes, total	**318**		mg/kg dry	32.4	5000	08/26/09 22:16	SW846 8260B	9084117
Surr: 1,2-Dichloroethane-d4 (67-138%)	*108 %*					*08/26/09 21:46*	*SW846 8260B*	*9084117*
Surr: 1,2-Dichloroethane-d4 (67-138%)	*99 %*					*08/26/09 22:16*	*SW846 8260B*	*9084117*
Surr: Dibromofluoromethane (75-125%)	*95 %*					*08/26/09 21:46*	*SW846 8260B*	*9084117*
Surr: Dibromofluoromethane (75-125%)	*87 %*					*08/26/09 22:16*	*SW846 8260B*	*9084117*
Surr: Toluene-d8 (76-129%)	*103 %*					*08/26/09 21:46*	*SW846 8260B*	*9084117*
Surr: Toluene-d8 (76-129%)	*100 %*					*08/26/09 22:16*	*SW846 8260B*	*9084117*
Surr: 4-Bromofluorobenzene (67-147%)	*101 %*					*08/26/09 21:46*	*SW846 8260B*	*9084117*
Surr: 4-Bromofluorobenzene (67-147%)	*97 %*					*08/26/09 22:16*	*SW846 8260B*	*9084117*
Extractable Petroleum Hydrocarbons								
Diesel	**824**		mg/kg dry	116	20	08/28/09 09:49	SW846 8015B	9084032
Surr: o-Terphenyl (29-141%)	*	*Z3*				*08/28/09 09:49*	*SW846 8015B*	*9084032*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**3270**		mg/kg dry	13.3	50	08/26/09 03:48	SW846 8015B	9083983
Surr: a,a,a-Trifluorotoluene (52-145%)	*135 %*					*08/26/09 03:48*	*SW846 8015B*	*9083983*

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH1384-03 (MW04 ALT (0507) - Soil) Sampled: 08/12/09 15:35								
General Chemistry Parameters								
% Dry Solids	**84.5**		%	0.500	1	08/20/09 11:10	SW-846	9082949
Volatile Organic Compounds by EPA Method 8260B								
Benzene	**0.00998**		mg/kg dry	0.00232	1	08/19/09 22:15	SW846 8260B	9083129
Ethylbenzene	**0.00418**		mg/kg dry	0.00232	1	08/19/09 22:15	SW846 8260B	9083129
Methyl tert-Butyl Ether	ND		mg/kg dry	0.00232	1	08/19/09 22:15	SW846 8260B	9083129
Toluene	**0.0241**		mg/kg dry	0.00232	1	08/19/09 22:15	SW846 8260B	9083129
Xylenes, total	**0.0205**		mg/kg dry	0.00580	1	08/19/09 22:15	SW846 8260B	9083129
Surr: 1,2-Dichloroethane-d4 (67-138%)	*108 %*					*08/19/09 22:15*	*SW846 8260B*	*9083129*
Surr: Dibromofluoromethane (75-125%)	*93 %*					*08/19/09 22:15*	*SW846 8260B*	*9083129*
Surr: Toluene-d8 (76-129%)	*101 %*					*08/19/09 22:15*	*SW846 8260B*	*9083129*
Surr: 4-Bromofluorobenzene (67-147%)	*106 %*					*08/19/09 22:15*	*SW846 8260B*	*9083129*
Extractable Petroleum Hydrocarbons								
Diesel	**76.8**		mg/kg dry	5.74	1	08/21/09 11:30	SW846 8015B	9082655
Surr: o-Terphenyl (29-141%)	*53 %*					*08/21/09 11:30*	*SW846 8015B*	*9082655*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg dry	5.95	50	08/18/09 17:16	SW846 8015B	9082530
Surr: a,a,a-Trifluorotoluene (52-145%)	*71 %*					*08/18/09 17:16*	*SW846 8015B*	*9082530*
Sample ID: NSH1384-04 (Trip Blank - Soil) Sampled: 08/10/09 00:01								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg wet	0.00200	1	08/19/09 21:05	SW846 8260B	9082878
Ethylbenzene	ND		mg/kg wet	0.00200	1	08/19/09 21:05	SW846 8260B	9082878
Methyl tert-Butyl Ether	ND		mg/kg wet	0.00200	1	08/19/09 21:05	SW846 8260B	9082878
Toluene	ND		mg/kg wet	0.00200	1	08/19/09 21:05	SW846 8260B	9082878
Xylenes, total	ND		mg/kg wet	0.00500	1	08/19/09 21:05	SW846 8260B	9082878
Surr: 1,2-Dichloroethane-d4 (67-138%)	*101 %*					*08/19/09 21:05*	*SW846 8260B*	*9082878*
Surr: Dibromofluoromethane (75-125%)	*99 %*					*08/19/09 21:05*	*SW846 8260B*	*9082878*
Surr: Toluene-d8 (76-129%)	*97 %*					*08/19/09 21:05*	*SW846 8260B*	*9082878*
Surr: 4-Bromofluorobenzene (67-147%)	*99 %*					*08/19/09 21:05*	*SW846 8260B*	*9082878*

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2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons							
SW846 8015B	9082655	NSH1384-01	25.11	1.00	08/19/09 11:00	DMG	EPA 3550B
SW846 8015B	9084032	NSH1384-02	25.17	1.00	08/26/09 11:15	TEM	EPA 3550C
SW846 8015B	9084032	NSH1384-02RE1	25.17	1.00	08/26/09 11:15	TEM	EPA 3550C
SW846 8015B	9082655	NSH1384-03	25.77	1.00	08/19/09 11:00	DMG	EPA 3550B
SW846 8015B	9082655	NSH1384-03RE1	25.77	1.00	08/19/09 11:00	DMG	EPA 3550B
Purgeable Petroleum Hydrocarbons							
SW846 8015B	9082530	NSH1384-01	5.71	5.00	08/10/09 14:14	JRL	EPA 5035A (GC)
SW846 8015B	9083983	NSH1384-02	2.20	5.00	08/12/09 12:45	CHH	EPA 5035A (GC)
SW846 8015B	9082530	NSH1384-03	4.97	5.00	08/12/09 15:35	JRL	EPA 5035A (GC)
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9082878	NSH1384-01	6.33	5.00	08/10/09 14:14	JRL	EPA 5035
SW846 8260B	9082904	NSH1384-02	4.03	5.00	08/12/09 12:45	CHH	EPA 5035
SW846 8260B	9084117	NSH1384-02RE1	4.50	5.00	08/12/09 12:45	CHH	EPA 5035
SW846 8260B	9084117	NSH1384-02RE2	4.50	5.00	08/12/09 12:45	CHH	EPA 5035
SW846 8260B	9083129	NSH1384-03	5.10	5.00	08/12/09 15:35	JRL	EPA 5035
SW846 8260B	9082878	NSH1384-04	5.00	5.00	08/10/09 00:01	JRL	EPA 5035

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PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9082878-BLK1						
Benzene	<0.000670		mg/kg wet	9082878	9082878-BLK1	08/19/09 20:35
Ethylbenzene	<0.000670		mg/kg wet	9082878	9082878-BLK1	08/19/09 20:35
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9082878	9082878-BLK1	08/19/09 20:35
Toluene	<0.000400		mg/kg wet	9082878	9082878-BLK1	08/19/09 20:35
Xylenes, total	<0.00130		mg/kg wet	9082878	9082878-BLK1	08/19/09 20:35
Surrogate: 1,2-Dichloroethane-d4	100%			9082878	9082878-BLK1	08/19/09 20:35
Surrogate: Dibromofluoromethane	102%			9082878	9082878-BLK1	08/19/09 20:35
Surrogate: Toluene-d8	99%			9082878	9082878-BLK1	08/19/09 20:35
Surrogate: 4-Bromofluorobenzene	100%			9082878	9082878-BLK1	08/19/09 20:35
9083129-BLK1						
Benzene	<0.000670		mg/kg wet	9083129	9083129-BLK1	08/19/09 14:46
Ethylbenzene	<0.000670		mg/kg wet	9083129	9083129-BLK1	08/19/09 14:46
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9083129	9083129-BLK1	08/19/09 14:46
Toluene	<0.000400		mg/kg wet	9083129	9083129-BLK1	08/19/09 14:46
Xylenes, total	<0.00130		mg/kg wet	9083129	9083129-BLK1	08/19/09 14:46
Surrogate: 1,2-Dichloroethane-d4	102%			9083129	9083129-BLK1	08/19/09 14:46
Surrogate: Dibromofluoromethane	97%			9083129	9083129-BLK1	08/19/09 14:46
Surrogate: Toluene-d8	94%			9083129	9083129-BLK1	08/19/09 14:46
Surrogate: 4-Bromofluorobenzene	92%			9083129	9083129-BLK1	08/19/09 14:46
9084117-BLK1						
Benzene	0.000750		mg/kg wet	9084117	9084117-BLK1	08/26/09 18:45
Ethylbenzene	<0.000670		mg/kg wet	9084117	9084117-BLK1	08/26/09 18:45
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9084117	9084117-BLK1	08/26/09 18:45
Toluene	0.00243		mg/kg wet	9084117	9084117-BLK1	08/26/09 18:45
Xylenes, total	0.00233		mg/kg wet	9084117	9084117-BLK1	08/26/09 18:45
Surrogate: 1,2-Dichloroethane-d4	105%			9084117	9084117-BLK1	08/26/09 18:45
Surrogate: Dibromofluoromethane	96%			9084117	9084117-BLK1	08/26/09 18:45
Surrogate: Toluene-d8	96%			9084117	9084117-BLK1	08/26/09 18:45
Surrogate: 4-Bromofluorobenzene	98%			9084117	9084117-BLK1	08/26/09 18:45
Extractable Petroleum Hydrocarbons						
9082655-BLK1						
Diesel	<2.00		mg/kg wet	9082655	9082655-BLK1	08/20/09 18:03
Surrogate: o-Terphenyl	84%			9082655	9082655-BLK1	08/20/09 18:03
9084032-BLK1						
Diesel	2.54		mg/kg wet	9084032	9084032-BLK1	08/27/09 17:15
Surrogate: o-Terphenyl	116%			9084032	9084032-BLK1	08/27/09 17:15
Purgeable Petroleum Hydrocarbons						

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	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons						
9082530-BLK1						
GRO as Gasoline	1.03		mg/kg wet	9082530	9082530-BLK1	08/18/09 13:04
Surrogate: a,a,a-Trifluorotoluene	80%			9082530	9082530-BLK1	08/18/09 13:04
9083983-BLK1						
GRO as Gasoline	0.719		mg/kg wet	9083983	9083983-BLK1	08/25/09 13:08
Surrogate: a,a,a-Trifluorotoluene	85%			9083983	9083983-BLK1	08/25/09 13:08

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PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9082949-DUP1										
% Dry Solids	90.8	91.2		%	0.4	20	9082949	NSH1319-01		08/20/09 11:10
9084396-DUP1										
% Dry Solids	85.7	85.3		%	0.5	20	9084396	NSH1384-02		08/28/09 11:38

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	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
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PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9082878-BS1								
Benzene	50.0	47.4		ug/kg	95%	78 - 126	9082878	08/19/09 19:30
Ethylbenzene	50.0	53.4		ug/kg	107%	79 - 130	9082878	08/19/09 19:30
Methyl tert-Butyl Ether	50.0	46.6		ug/kg	93%	70 - 128	9082878	08/19/09 19:30
Toluene	50.0	49.9		ug/kg	100%	76 - 126	9082878	08/19/09 19:30
Xylenes, total	150	162		ug/kg	108%	80 - 130	9082878	08/19/09 19:30
Surrogate: 1,2-Dichloroethane-d4	50.0	50.1			100%	67 - 138	9082878	08/19/09 19:30
Surrogate: Dibromofluoromethane	50.0	51.8			104%	75 - 125	9082878	08/19/09 19:30
Surrogate: Toluene-d8	50.0	49.7			99%	76 - 129	9082878	08/19/09 19:30
Surrogate: 4-Bromofluorobenzene	50.0	47.6			95%	67 - 147	9082878	08/19/09 19:30
9083129-BS1								
Benzene	50.0	52.0		ug/kg	104%	78 - 126	9083129	08/19/09 12:44
Ethylbenzene	50.0	55.0		ug/kg	110%	79 - 130	9083129	08/19/09 12:44
Methyl tert-Butyl Ether	50.0	57.2		ug/kg	114%	70 - 128	9083129	08/19/09 12:44
Toluene	50.0	52.4		ug/kg	105%	76 - 126	9083129	08/19/09 12:44
Xylenes, total	150	165		ug/kg	110%	80 - 130	9083129	08/19/09 12:44
Surrogate: 1,2-Dichloroethane-d4	50.0	50.9			102%	67 - 138	9083129	08/19/09 12:44
Surrogate: Dibromofluoromethane	50.0	51.8			104%	75 - 125	9083129	08/19/09 12:44
Surrogate: Toluene-d8	50.0	49.5			99%	76 - 129	9083129	08/19/09 12:44
Surrogate: 4-Bromofluorobenzene	50.0	47.7			95%	67 - 147	9083129	08/19/09 12:44
9084117-BS1								
Benzene	50.0	49.4		ug/kg	99%	78 - 126	9084117	08/26/09 16:45
Ethylbenzene	50.0	52.3		ug/kg	105%	79 - 130	9084117	08/26/09 16:45
Methyl tert-Butyl Ether	50.0	57.2		ug/kg	114%	70 - 128	9084117	08/26/09 16:45
Toluene	50.0	53.0	B	ug/kg	106%	76 - 126	9084117	08/26/09 16:45
Xylenes, total	150	158		ug/kg	105%	80 - 130	9084117	08/26/09 16:45
Surrogate: 1,2-Dichloroethane-d4	50.0	50.2			100%	67 - 138	9084117	08/26/09 16:45
Surrogate: Dibromofluoromethane	50.0	48.5			97%	75 - 125	9084117	08/26/09 16:45
Surrogate: Toluene-d8	50.0	49.8			100%	76 - 129	9084117	08/26/09 16:45
Surrogate: 4-Bromofluorobenzene	50.0	49.4			99%	67 - 147	9084117	08/26/09 16:45
Extractable Petroleum Hydrocarbons								
9082655-BS1								
Diesel	40.0	25.7		mg/kg wet	64%	55 - 123	9082655	08/20/09 18:20
Surrogate: o-Terphenyl	0.800	0.590			74%	29 - 141	9082655	08/20/09 18:20
9084032-BS1								
Diesel	40.0	33.9		mg/kg wet	85%	55 - 123	9084032	08/27/09 17:30
Surrogate: o-Terphenyl	0.800	0.981			123%	29 - 141	9084032	08/27/09 17:30
Purgeable Petroleum Hydrocarbons								

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons								
9082530-BS1								
GRO as Gasoline	10.0	9.84		mg/kg wet	98%	71 - 125	9082530	08/19/09 06:33
Surrogate: a,a,a-Trifluorotoluene	30.0	23.9			80%	52 - 145	9082530	08/19/09 06:33
9083983-BS1								
GRO as Gasoline	10.0	10.7		mg/kg wet	107%	71 - 125	9083983	08/26/09 04:29
Surrogate: a,a,a-Trifluorotoluene	30.0	32.6			109%	52 - 145	9083983	08/26/09 04:29

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	50 Hampshire Street	Project Name:	Exxon 27235
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PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9083129-BSD1												
Benzene		50.6		ug/kg	50.0	101%	78 - 126	3	50	9083129		08/19/09 13:14
Ethylbenzene		49.0		ug/kg	50.0	98%	79 - 130	11	50	9083129		08/19/09 13:14
Methyl tert-Butyl Ether		57.1		ug/kg	50.0	114%	70 - 128	0.3	50	9083129		08/19/09 13:14
Toluene		47.4		ug/kg	50.0	95%	76 - 126	10	50	9083129		08/19/09 13:14
Xylenes, total		148		ug/kg	150	99%	80 - 130	11	50	9083129		08/19/09 13:14
Surrogate: 1,2-Dichloroethane-d4		54.2		ug/kg	50.0	108%	67 - 138			9083129		08/19/09 13:14
Surrogate: Dibromofluoromethane		54.7		ug/kg	50.0	109%	75 - 125			9083129		08/19/09 13:14
Surrogate: Toluene-d8		49.0		ug/kg	50.0	98%	76 - 129			9083129		08/19/09 13:14
Surrogate: 4-Bromofluorobenzene		48.0		ug/kg	50.0	96%	67 - 147			9083129		08/19/09 13:14
9084117-BSD1												
Benzene		48.9		ug/kg	50.0	98%	78 - 126	1	50	9084117		08/26/09 17:15
Ethylbenzene		49.4		ug/kg	50.0	99%	79 - 130	6	50	9084117		08/26/09 17:15
Methyl tert-Butyl Ether		55.8		ug/kg	50.0	112%	70 - 128	2	50	9084117		08/26/09 17:15
Toluene		49.7	B	ug/kg	50.0	99%	76 - 126	6	50	9084117		08/26/09 17:15
Xylenes, total		149		ug/kg	150	99%	80 - 130	6	50	9084117		08/26/09 17:15
Surrogate: 1,2-Dichloroethane-d4		51.4		ug/kg	50.0	103%	67 - 138			9084117		08/26/09 17:15
Surrogate: Dibromofluoromethane		49.7		ug/kg	50.0	99%	75 - 125			9084117		08/26/09 17:15
Surrogate: Toluene-d8		50.0		ug/kg	50.0	100%	76 - 129			9084117		08/26/09 17:15
Surrogate: 4-Bromofluorobenzene		49.1		ug/kg	50.0	98%	67 - 147			9084117		08/26/09 17:15

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	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9082878-MS1										
Benzene	2.46	30.4		ug/kg	50.0	56%	42 - 141	9082878	NSH1515-02	08/20/09 05:19
Ethylbenzene	0.807	23.8		ug/kg	50.0	46%	21 - 165	9082878	NSH1515-02	08/20/09 05:19
Methyl tert-Butyl Ether	ND	26.2		ug/kg	50.0	52%	34 - 154	9082878	NSH1515-02	08/20/09 05:19
Toluene	4.43	30.8		ug/kg	50.0	53%	45 - 145	9082878	NSH1515-02	08/20/09 05:19
Xylenes, total	5.07	69.9		ug/kg	150	43%	31 - 159	9082878	NSH1515-02	08/20/09 05:19
Surrogate: 1,2-Dichloroethane-d4		54.4		ug/kg	50.0	109%	67 - 138	9082878	NSH1515-02	08/20/09 05:19
Surrogate: Dibromofluoromethane		51.5		ug/kg	50.0	103%	75 - 125	9082878	NSH1515-02	08/20/09 05:19
Surrogate: Toluene-d8		51.4		ug/kg	50.0	103%	76 - 129	9082878	NSH1515-02	08/20/09 05:19
Surrogate: 4-Bromofluorobenzene		51.9		ug/kg	50.0	104%	67 - 147	9082878	NSH1515-02	08/20/09 05:19
9083129-MS1										
Benzene	ND	1.73		mg/kg wet	2.23	77%	42 - 141	9083129	NSH1360-02RE1	08/19/09 22:45
Ethylbenzene	0.0585	2.01		mg/kg wet	2.23	87%	21 - 165	9083129	NSH1360-02RE1	08/19/09 22:45
Methyl tert-Butyl Ether	0.369	2.05		mg/kg wet	2.23	75%	34 - 154	9083129	NSH1360-02RE1	08/19/09 22:45
Toluene	0.0554	1.84		mg/kg wet	2.23	80%	45 - 145	9083129	NSH1360-02RE1	08/19/09 22:45
Xylenes, total	0.233	6.06		mg/kg wet	6.70	87%	31 - 159	9083129	NSH1360-02RE1	08/19/09 22:45
Surrogate: 1,2-Dichloroethane-d4		47.1		ug/kg	50.0	94%	67 - 138	9083129	NSH1360-02RE1	08/19/09 22:45
Surrogate: Dibromofluoromethane		47.2		ug/kg	50.0	94%	75 - 125	9083129	NSH1360-02RE1	08/19/09 22:45
Surrogate: Toluene-d8		49.0		ug/kg	50.0	98%	76 - 129	9083129	NSH1360-02RE1	08/19/09 22:45
Surrogate: 4-Bromofluorobenzene		49.4		ug/kg	50.0	99%	67 - 147	9083129	NSH1360-02RE1	08/19/09 22:45
Extractable Petroleum Hydrocarbons										
9082655-MS1										
Diesel	ND	31.0		mg/kg dry	43.0	72%	10 - 154	9082655	NSH1352-07	08/20/09 19:10
Surrogate: o-Terphenyl		0.663		mg/kg dry	0.859	77%	29 - 141	9082655	NSH1352-07	08/20/09 19:10
9084032-MS1										
Diesel	2.77	29.4		mg/kg wet	39.4	67%	10 - 154	9084032	NSH1378-04	08/27/09 17:45
Surrogate: o-Terphenyl		0.857		mg/kg wet	0.788	109%	29 - 141	9084032	NSH1378-04	08/27/09 17:45
Purgeable Petroleum Hydrocarbons										
9082530-MS1										
GRO as Gasoline	1.71	563		mg/kg dry	500	112%	32 - 150	9082530	NSH1390-07	08/19/09 00:15
Surrogate: a,a,a-Trifluorotoluene		23.6		ug/L	30.0	79%	52 - 145	9082530	NSH1390-07	08/19/09 00:15

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PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons										
9083983-MS1										
GRO as Gasoline	0.643	555		mg/kg dry	534	104%	32 - 150	9083983	NSH1985-03	08/25/09 16:38
Surrogate: a,a,a-Trifluorotoluene		32.0		ug/L	30.0	107%	52 - 145	9083983	NSH1985-03	08/25/09 16:38

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PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9082878-MSD1												
Benzene	2.20	32.7		ug/kg	50.0	61%	42 - 141	7	50	9082878	NSH1515-02	08/20/09 05:50
Ethylbenzene	0.719	27.5		ug/kg	50.0	54%	21 - 165	15	50	9082878	NSH1515-02	08/20/09 05:50
Methyl tert-Butyl Ether	ND	32.9		ug/kg	50.0	66%	34 - 154	23	50	9082878	NSH1515-02	08/20/09 05:50
Toluene	3.95	36.1		ug/kg	50.0	64%	45 - 145	16	50	9082878	NSH1515-02	08/20/09 05:50
Xylenes, total	4.52	84.5		ug/kg	150	53%	31 - 159	19	50	9082878	NSH1515-02	08/20/09 05:50
Surrogate: 1,2-Dichloroethane-d4		49.6		ug/kg	50.0	99%	67 - 138			9082878	NSH1515-02	08/20/09 05:50
Surrogate: Dibromofluoromethane		50.2		ug/kg	50.0	100%	75 - 125			9082878	NSH1515-02	08/20/09 05:50
Surrogate: Toluene-d8		52.8		ug/kg	50.0	106%	76 - 129			9082878	NSH1515-02	08/20/09 05:50
Surrogate: 4-Bromofluorobenzene		53.6		ug/kg	50.0	107%	67 - 147			9082878	NSH1515-02	08/20/09 05:50
9083129-MSD1												
Benzene	ND	1.83		mg/kg wet	2.23	82%	42 - 141	6	50	9083129	NSH1360-02R E1	08/19/09 23:15
Ethylbenzene	0.0585	2.03		mg/kg wet	2.23	88%	21 - 165	1	50	9083129	NSH1360-02R E1	08/19/09 23:15
Methyl tert-Butyl Ether	0.369	2.19		mg/kg wet	2.23	82%	34 - 154	7	50	9083129	NSH1360-02R E1	08/19/09 23:15
Toluene	0.0554	1.86		mg/kg wet	2.23	81%	45 - 145	1	50	9083129	NSH1360-02R E1	08/19/09 23:15
Xylenes, total	0.233	6.19		mg/kg wet	6.70	89%	31 - 159	2	50	9083129	NSH1360-02R E1	08/19/09 23:15
Surrogate: 1,2-Dichloroethane-d4		50.6		ug/kg	50.0	101%	67 - 138			9083129	NSH1360-02R E1	08/19/09 23:15
Surrogate: Dibromofluoromethane		50.7		ug/kg	50.0	101%	75 - 125			9083129	NSH1360-02R E1	08/19/09 23:15
Surrogate: Toluene-d8		46.5		ug/kg	50.0	93%	76 - 129			9083129	NSH1360-02R E1	08/19/09 23:15
Surrogate: 4-Bromofluorobenzene		48.4		ug/kg	50.0	97%	67 - 147			9083129	NSH1360-02R E1	08/19/09 23:15
Extractable Petroleum Hydrocarbons												
9082655-MSD1												
Diesel	ND	30.6		mg/kg dry	43.3	71%	10 - 154	1	48	9082655	NSH1352-07	08/20/09 19:28
Surrogate: o-Terphenyl		0.682		mg/kg dry	0.867	79%	29 - 141			9082655	NSH1352-07	08/20/09 19:28
9084032-MSD1												
Diesel	2.77	27.9		mg/kg wet	39.0	64%	10 - 154	5	48	9084032	NSH1378-04	08/27/09 18:00
Surrogate: o-Terphenyl		0.762		mg/kg wet	0.781	98%	29 - 141			9084032	NSH1378-04	08/27/09 18:00
Purgeable Petroleum Hydrocarbons												
9082530-MSD1												
GRO as Gasoline	1.71	538		mg/kg dry	500	107%	32 - 150	5	29	9082530	NSH1390-07	08/19/09 00:56
Surrogate: a,a,a-Trifluorotoluene		30.9		ug/L	30.0	103%	52 - 145			9082530	NSH1390-07	08/19/09 00:56
9083983-MSD1												

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons												
9083983-MSD1												
GRO as Gasoline	0.643	522		mg/kg dry	534	98%	32 - 150	6	29	9083983	NSH1985-03	08/25/09 17:20
Surrogate: a,a,a-Trifluorotoluene		31.2		ug/L	30.0	104%	52 - 145			9083983	NSH1985-03	08/25/09 17:20

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Maryland
SW846 8015B	Soil	N/A	X	N/A
SW846 8260B	Soil	N/A	X	N/A
SW-846	Soil			

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1384
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/15/09 08:30

DATA QUALIFIERS AND DEFINITIONS

B	Analyte was detected in the associated Method Blank.
B1	Analyte was detected in the associated method blank. Analyte concentration in the sample is greater than 10x the concentration found in the method blank.
Z3	The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax: (615) 726-3404

ExxonMobil

Page 01 of 01

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print) Helen
SamplerSignature: Helen

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: -XOM- Annapolis -27235
Facility ID: [none]
Site Address: 1000 Forest Dr
City,State,Zip: Annapolis Maryland
Regulatory District (CA):

NSH1384
08/24/09 23:59

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(specify) Other	Analyze for: 8260B BTEX/MTBE	8260B Volatile Organics	8270C Polyaromatic Hydrocarbons	Barium Total EPA 6010B	Priority Pollutant Metals SW846	Solids Percent Dry Weight	TPH - Diesel Range SW846 8015B	TPH - Diesel Range/Oil Range SW8	TPH-Gasoline Range SW8015	RCRA 8 METALS						RUSH TAT (Pre Schedule)*
1	MW02ALT(4446)	10Aug	14:14	07	/			/	/											/																	
2	MW03ALT(1416)	12Aug	12:45	06	/			/	/											/		H	O	L	D		H	O	L	D		H	O	L	D		
3	MW04(0507)	12Aug	15:35	06	/			/	/											/																	
4	Trip Blank	10Aug	—																																		

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager_____ Date:_____
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15624
HOLD MW03ALT(1416)
→ TRIP BLANK - 10Aug

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Helen	~~12Aug~~ 14Aug	10:30		8/14/09	1030			

Shipped Via:	Shipped Via:	QC Deliverables (Please Circle One):	Date Due of Report:
		Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	

Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N	VOCs Free of Headspace? Y N
	8-14-09	13:45			

8/15/09 0830

XOM Phase II - Sample Parameter Table

Site ID: Station 27235
Address: 1000 Forest Drive
City: Annapolis

		SOIL SAMPLING						
		EPA 8260B		EPA 8015				
Soil Boring ID	Sample Depth	EPA 8260B (BTEX/MTBE Only)	EPA 8260B (Full Analyte List)	EPA 8015 (GRO)	EPA 8015 (DRO)	EPA 8015 (Oil Range Organics (ORO))	RCRA 8 Metals	EPA 8270 (PAHs)
MW-1	Highest PID or at water table	x ✓		x ✓	x ✓		NSH 0724-01	
MW-2 01	Highest PID or at water table	x		x	x		NSH 1384 -01	
MW-3	Highest PID or at water table	x		x	x		NSH 1384-02 -on hold	
MW-4 03	Highest PID or at water table	x		x	x		NSH 1384-03	
MW-5	Highest PID or at water table	x		x	x			
MW-6	Highest PID or at water table	x		x	x		x	

MW-1 Canceled PAHs & Metals
MW3- Canceled PAHs And Metals

Lage, Gail

From: Beck, Debra [BeckDF@cdm.com]
Sent: Tuesday, August 25, 2009 2:36 PM
To: Lage, Gail; Maksoudian, Toros; Salvetti, Mark
Subject: RE: divestment site 27235 sample on HOLD - NSH1384

Yes, please run this sample according to the analytical spreadsheet submitted. Please let me know if you have any questions.
Thanks and sorry for the delays.

Debra F. Beck, P.E.
CDM
One Cambridge Place
50 Hampshire Street
Cambridge, MA 02139
phone and fax: 617-452-6277

From: Lage, Gail [mailto:Gail.Lage@testamericainc.com]
Sent: Tuesday, August 25, 2009 1:45 PM
To: Lage, Gail; Maksoudian, Toros; Beck, Debra; Salvetti, Mark
Subject: RE: divestment site 27235 sample on HOLD - NSH1384

This sample goes out of hold tomorrow. Do you need it run?

Thanks

Gail A. Lage
Program Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615 301.5741 / Fax 615.726 3404
www testamericainc com

From: Lage, Gail
Sent: Monday, August 24, 2009 1:15 PM
To: Maksoudian, Toros; Beck, Debra; 'Salvetti, Mark'
Subject: divestment site 27235 sample on HOLD - NSH1384

Toros,
I'm not sure if we discussed this sample or not Sample MW03ALT(1416) on this chain is marked as HOLD. Do you need this sample run? Do you want the other samples reported without this sample?

Thanks

Gail A. Lage
Program Manager

TestAmerica
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Nashville, TN 37204
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Nashville, TN

COOLER RI

NSH1384

Cooler Received/Opened On 08/15/2009 @ 0830

1. Tracking # 4823 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 3.2 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) VD

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA RM 8/15

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA Soil

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) VT

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) VT

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) VT

I certify that I attached a label with the unique LIMS number to each container (intial) VT

21. Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO #

BIS = Broken in shipment
Cooler Receipt Form doc

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

NSH1384
08/24/09 23:59

Cooler Received/Opened On 08/15/2009 @ 0830

1. Tracking # 8319 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 5.5 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES)...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? (YES)...NO...NA

6. Were custody papers inside cooler? (YES)...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) MA

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES...NO...NA

12. Did all container labels and tags agree with custody papers? YES...NO...NA

13a. Were VOA vials received? YES...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...NO...NA

14. Was there a Trip Blank in this cooler? YES...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...NA

b. Did the bottle labels indicate that the correct preservatives were used YES...NO...NA

16. Was residual chlorine present? YES...NO...NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____

17. Were custody papers properly filled out (ink, signed, etc)? YES...NO...NA

18. Did you sign the custody papers in the appropriate place? YES...NO...NA

19. Were correct containers used for the analysis requested? YES...NO...NA

20. Was sufficient amount of sample sent in each container? YES...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____

I certify that I attached a label with the unique LIMS number to each container (intial) _____

21. Were there Non-Conformance issues at login? YES...NO Was a PIPE generated? YES...NO...#_____

MA
COL only

BIS = Broken in shipment
Cooler Receipt Form doc

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

August 28, 2009 4:06:49PM

Client: CDM Camp Dresser & McKee (Divestment)
50 Hampshire Street
Cambridge, MA 02139
Attn: Debra Beck

Work Order: NSH1971
Project Name: Exxon 27235
Project Nbr: 27235 - Annapolis, MD
P/O Nbr:
Date Received: 08/22/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW05 (0709)	NSH1971-01	08/13/09 10:56
TB-Trip Blank	NSH1971-02	08/13/09 10:56

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

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Additional Laboratory Comments:
All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.
Maryland Certification Number: 316

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Gail A Lage

Program Manager - National Accounts

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH1971-01 (MW05 (0709) - Soil) Sampled: 08/13/09 10:56								
General Chemistry Parameters								
% Dry Solids	**78.3**		%	0.500	1	08/27/09 08:05	SW-846	9084215
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00247	1	08/27/09 19:34	SW846 8260B	9083768
Ethylbenzene	ND		mg/kg dry	0.00247	1	08/27/09 19:34	SW846 8260B	9083768
Methyl tert-Butyl Ether	**0.00365**		mg/kg dry	0.00247	1	08/27/09 19:34	SW846 8260B	9083768
Toluene	ND		mg/kg dry	0.00247	1	08/27/09 19:34	SW846 8260B	9083768
Xylenes, total	ND		mg/kg dry	0.00616	1	08/27/09 19:34	SW846 8260B	9083768
Surr: 1,2-Dichloroethane-d4 (67-138%)	*105 %*					*08/27/09 19:34*	*SW846 8260B*	*9083768*
Surr: Dibromofluoromethane (75-125%)	*105 %*					*08/27/09 19:34*	*SW846 8260B*	*9083768*
Surr: Toluene-d8 (76-129%)	*101 %*					*08/27/09 19:34*	*SW846 8260B*	*9083768*
Surr: 4-Bromofluorobenzene (67-147%)	*102 %*					*08/27/09 19:34*	*SW846 8260B*	*9083768*
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg dry	5.31	1	08/26/09 16:08	SW846 8015B	9083822
Surr: o-Terphenyl (29-141%)	*82 %*					*08/26/09 16:08*	*SW846 8015B*	*9083822*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg dry	8.40	50	08/24/09 22:54	SW846 8015B	9083317
Surr: a,a,a-Trifluorotoluene (52-145%)	*80 %*					*08/24/09 22:54*	*SW846 8015B*	*9083317*
Sample ID: NSH1971-02 (TB-Trip Blank - Soil) Sampled: 08/13/09 10:56								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg wet	0.00200	1	08/27/09 14:24	SW846 8260B	9083768
Ethylbenzene	ND		mg/kg wet	0.00200	1	08/27/09 14:24	SW846 8260B	9083768
Methyl tert-Butyl Ether	ND		mg/kg wet	0.00200	1	08/27/09 14:24	SW846 8260B	9083768
Toluene	ND		mg/kg wet	0.00200	1	08/27/09 14:24	SW846 8260B	9083768
Xylenes, total	ND		mg/kg wet	0.00500	1	08/27/09 14:24	SW846 8260B	9083768
Surr: 1,2-Dichloroethane-d4 (67-138%)	*104 %*					*08/27/09 14:24*	*SW846 8260B*	*9083768*
Surr: Dibromofluoromethane (75-125%)	*104 %*					*08/27/09 14:24*	*SW846 8260B*	*9083768*
Surr: Toluene-d8 (76-129%)	*100 %*					*08/27/09 14:24*	*SW846 8260B*	*9083768*
Surr: 4-Bromofluorobenzene (67-147%)	*103 %*					*08/27/09 14:24*	*SW846 8260B*	*9083768*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons							
SW846 8015B	9083822	NSH1971-01	30.06	1.00	08/25/09 09:20	TEM	EPA 3550C
Purgeable Petroleum Hydrocarbons							
SW846 8015B	9083317	NSH1971-01	3.80	5.00	08/13/09 10:56	JRL	EPA 5035A (GC)
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9083768	NSH1971-01	5.18	5.00	08/13/09 10:56	JRL	EPA 5035
SW846 8260B	9083768	NSH1971-01RE1	6.21	5.00	08/13/09 10:56	JRL	EPA 5035
SW846 8260B	9083768	NSH1971-02	5.00	5.00	08/13/09 10:56	JRL	EPA 5035

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9083768-BLK1						
Benzene	<0.000670		mg/kg wet	9083768	9083768-BLK1	08/27/09 13:53
Ethylbenzene	<0.000670		mg/kg wet	9083768	9083768-BLK1	08/27/09 13:53
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9083768	9083768-BLK1	08/27/09 13:53
Toluene	<0.000400		mg/kg wet	9083768	9083768-BLK1	08/27/09 13:53
Xylenes, total	<0.00130		mg/kg wet	9083768	9083768-BLK1	08/27/09 13:53
Surrogate: 1,2-Dichloroethane-d4	104%			9083768	9083768-BLK1	08/27/09 13:53
Surrogate: Dibromofluoromethane	103%			9083768	9083768-BLK1	08/27/09 13:53
Surrogate: Toluene-d8	100%			9083768	9083768-BLK1	08/27/09 13:53
Surrogate: 4-Bromofluorobenzene	103%			9083768	9083768-BLK1	08/27/09 13:53
Extractable Petroleum Hydrocarbons						
9083822-BLK1						
Diesel	<2.00		mg/kg wet	9083822	9083822-BLK1	08/27/09 19:08
Surrogate: o-Terphenyl	92%			9083822	9083822-BLK1	08/27/09 19:08
Purgeable Petroleum Hydrocarbons						
9083317-BLK1						
GRO as Gasoline	1.22		mg/kg wet	9083317	9083317-BLK1	08/24/09 12:25
Surrogate: a,a,a-Trifluorotoluene	80%			9083317	9083317-BLK1	08/24/09 12:25

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9084215-DUP1										
% Dry Solids	90.0	85.9		%	5	20	9084215	NSH1963-01		08/27/09 08:05

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9083768-BS1								
Benzene	50.0	45.8		ug/kg	92%	78 - 126	9083768	08/27/09 12:20
Ethylbenzene	50.0	47.1		ug/kg	94%	79 - 130	9083768	08/27/09 12:20
Methyl tert-Butyl Ether	50.0	49.3		ug/kg	99%	70 - 128	9083768	08/27/09 12:20
Toluene	50.0	45.8		ug/kg	92%	76 - 126	9083768	08/27/09 12:20
Xylenes, total	150	142		ug/kg	95%	80 - 130	9083768	08/27/09 12:20
Surrogate: 1,2-Dichloroethane-d4	25.0	27.1			108%	67 - 138	9083768	08/27/09 12:20
Surrogate: Dibromofluoromethane	25.0	24.4			97%	75 - 125	9083768	08/27/09 12:20
Surrogate: Toluene-d8	25.0	25.1			100%	76 - 129	9083768	08/27/09 12:20
Surrogate: 4-Bromofluorobenzene	25.0	24.7			99%	67 - 147	9083768	08/27/09 12:20
Extractable Petroleum Hydrocarbons								
9083822-BS1								
Diesel	40.0	34.8		mg/kg wet	87%	55 - 123	9083822	08/27/09 23:21
Surrogate: o-Terphenyl	0.800	0.812			101%	29 - 141	9083822	08/27/09 23:21
Purgeable Petroleum Hydrocarbons								
9083317-BS1								
GRO as Gasoline	10.0	10.9		mg/kg wet	109%	71 - 125	9083317	08/25/09 05:54
Surrogate: a,a,a-Trifluorotoluene	30.0	31.7			106%	52 - 145	9083317	08/25/09 05:54

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9083768-BSD1												
Benzene		48.4		ug/kg	50.0	97%	78 - 126	5	50	9083768		08/27/09 12:51
Ethylbenzene		48.7		ug/kg	50.0	97%	79 - 130	3	50	9083768		08/27/09 12:51
Methyl tert-Butyl Ether		51.2		ug/kg	50.0	102%	70 - 128	4	50	9083768		08/27/09 12:51
Toluene		47.5		ug/kg	50.0	95%	76 - 126	4	50	9083768		08/27/09 12:51
Xylenes, total		148		ug/kg	150	99%	80 - 130	4	50	9083768		08/27/09 12:51
Surrogate: 1,2-Dichloroethane-d4		27.9		ug/kg	25.0	112%	67 - 138			9083768		08/27/09 12:51
Surrogate: Dibromofluoromethane		25.4		ug/kg	25.0	102%	75 - 125			9083768		08/27/09 12:51
Surrogate: Toluene-d8		25.0		ug/kg	25.0	100%	76 - 129			9083768		08/27/09 12:51
Surrogate: 4-Bromofluorobenzene		28.2		ug/kg	25.0	113%	67 - 147			9083768		08/27/09 12:51

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THE LEADER IN ENVIRONMENTAL TESTING
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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9083768-MS1										
Benzene	ND	2450		ug/kg	5000	49%	42 - 141	9083768	NSH1971-01RE1	08/27/09 22:08
Ethylbenzene	ND	2380		ug/kg	5000	48%	21 - 165	9083768	NSH1971-01RE1	08/27/09 22:08
Methyl tert-Butyl Ether	ND	2560		ug/kg	5000	51%	34 - 154	9083768	NSH1971-01RE1	08/27/09 22:08
Toluene	ND	2360		ug/kg	5000	47%	45 - 145	9083768	NSH1971-01RE1	08/27/09 22:08
Xylenes, total	14.0	7350		ug/kg	15000	49%	31 - 159	9083768	NSH1971-01RE1	08/27/09 22:08
Surrogate: 1,2-Dichloroethane-d4		28.6		ug/kg	25.0	114%	67 - 138	9083768	NSH1971-01RE1	08/27/09 22:08
Surrogate: Dibromofluoromethane		25.0		ug/kg	25.0	100%	75 - 125	9083768	NSH1971-01RE1	08/27/09 22:08
Surrogate: Toluene-d8		25.1		ug/kg	25.0	101%	76 - 129	9083768	NSH1971-01RE1	08/27/09 22:08
Surrogate: 4-Bromofluorobenzene		23.5		ug/kg	25.0	94%	67 - 147	9083768	NSH1971-01RE1	08/27/09 22:08
Extractable Petroleum Hydrocarbons										
9083822-MS1										
Diesel	4.09	46.5		mg/kg dry	59.2	72%	10 - 154	9083822	NSH1983-03	08/27/09 23:38
Surrogate: o-Terphenyl		1.02		mg/kg dry	1.18	86%	29 - 141	9083822	NSH1983-03	08/27/09 23:38
Purgeable Petroleum Hydrocarbons										
9083317-MS1										
GRO as Gasoline	0.885	254		mg/kg wet	244	104%	32 - 150	9083317	NSH1328-06	08/24/09 20:06
Surrogate: a,a,a-Trifluorotoluene		31.6		ug/L	30.0	105%	52 - 145	9083317	NSH1328-06	08/24/09 20:06

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9083768-MSD1												
Benzene	ND	2490		ug/kg	5000	50%	42 - 141	2	50	9083768	NSH1971-01R E1	08/27/09 22:39
Ethylbenzene	ND	2460		ug/kg	5000	49%	21 - 165	4	50	9083768	NSH1971-01R E1	08/27/09 22:39
Methyl tert-Butyl Ether	ND	2660		ug/kg	5000	53%	34 - 154	4	50	9083768	NSH1971-01R E1	08/27/09 22:39
Toluene	ND	2420		ug/kg	5000	48%	45 - 145	3	50	9083768	NSH1971-01R E1	08/27/09 22:39
Xylenes, total	14.0	7570		ug/kg	15000	50%	31 - 159	3	50	9083768	NSH1971-01R E1	08/27/09 22:39
Surrogate: 1,2-Dichloroethane-d4		25.8		ug/kg	25.0	103%	67 - 138			9083768	NSH1971-01R E1	08/27/09 22:39
Surrogate: Dibromofluoromethane		25.6		ug/kg	25.0	102%	75 - 125			9083768	NSH1971-01R E1	08/27/09 22:39
Surrogate: Toluene-d8		25.3		ug/kg	25.0	101%	76 - 129			9083768	NSH1971-01R E1	08/27/09 22:39
Surrogate: 4-Bromofluorobenzene		23.4		ug/kg	25.0	94%	67 - 147			9083768	NSH1971-01R E1	08/27/09 22:39
Extractable Petroleum Hydrocarbons												
9083822-MSD1												
Diesel	4.09	33.0		mg/kg dry	39.7	73%	10 - 154	34	48	9083822	NSH1983-03	08/27/09 23:55
Surrogate: o-Terphenyl		0.747		mg/kg dry	0.794	94%	29 - 141			9083822	NSH1983-03	08/27/09 23:55
Purgeable Petroleum Hydrocarbons												
9083317-MSD1												
GRO as Gasoline	0.885	270		mg/kg wet	244	111%	32 - 150	6	29	9083317	NSH1328-06	08/24/09 20:48
Surrogate: a,a,a-Trifluorotoluene		31.7		ug/L	30.0	106%	52 - 145			9083317	NSH1328-06	08/24/09 20:48

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Maryland
SW846 8015B	Soil	N/A	X	N/A
SW846 8260B	Soil	N/A	X	N/A
SW-846	Soil			

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH1971
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/22/09 08:30

DATA QUALIFIERS AND DEFINITIONS

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax: (615) 726-3404

ExxonMobil

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-~~6000~~ 6277 Fax: ~~6174528000~~ 6174526277
Sampler Name (Print) Helen
SamplerSignature: Helen

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: -XOM-Annapolis-27235
Facility ID: [none] 27235
Site Address: 1000 Forest Dr
City,State,Zip: Annapolis Maryland
Regulatory District (CA):

NSH1971
08/31/09 23:59

	Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	(Specify) Other: trip blank	Analyze for: 8260B BTEX/MTBE	8260B Volatile Organics	8270C Polyaromatic Hydrocarbons	Barium Total EPA 6010B	Priority Pollutant Metals SW846	Solids Percent Dry Weight	TPH - Diesel Range SW846 8015B	TPH - Diesel Range/Oil Range SW8	TPH-Gasoline Range SW8015								RUSH TAT (Pre Schedule)*
1	MW05 (0709)	13Aug	10:56	05	✓			✓	✓											✓		✓								✓								
2	TB-trip blank	13Aug	10:58	01																✓	✓																	

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager_____ Date:_____
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15624

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Helen	21Aug	11:55	Bryant Ellis	8/21/09	1155		8-21-09	14:20
Shipped Via: Fed Ex			Shipped Via:					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
	8/22/09	0830		VOCs Free of Headspace? Y N				

XOM Phase II - Sample Parameter Table

Site ID: Station 27235
Address: 1000 Forest Drive
City: Annapolis

H(97)

		SOIL SAMPLING						
		EPA 8260B		EPA 8015				
Soil Boring ID:	Sample Depth	EPA 8260B (BTEX/MTBE Only)	EPA 8260B (Full Analyte List)	EPA 8015 (GRO)	EPA 8015 (DRO)	EPA 8015 (Oil Range Organics (ORO))	RCRA 8 Metals	EPA 8270 (PAHs)
MW-1	Highest PID or at water table	X		X	X			
MW-2	Highest PID or at water table	X		X	X			
MW-3	Highest PID or at water table	X		X	X			
MW-4	Highest PID or at water table	X		X	X			
MW-5 61	Highest PID or at water table	X ✓		X ✓	X			
MW-6	Highest PID or at water table	X		X	X		X	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIP

2 of 4

Cooler Received/Opened On 08/22/2009 @ 0830 NSH1971

1. Tracking # 6300 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 5.9 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) NO NA

If yes, how many and where: 2 front/back

5. Were the seals intact, signed, and dated correctly? (YES) NO NA

6. Were custody papers inside cooler? YES (NO) NA

I certify that I opened the cooler and answered questions 1-6 (intial) M

7. Were custody seals on containers: (YES) NO and Intact (YES) NO NA

Were these signed and dated correctly? (YES) NO NA

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES) NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES) NO NA

12. Did all container labels and tags agree with custody papers? (YES) NO NA

13a. Were VOA vials received? (YES) NO NA

b. Was there any observable headspace present in any VOA vial? YES NO (NA) soil

14. Was there a Trip Blank in this cooler? (YES) NO NA If multiple coolers, sequence # NA

I certify that I unloaded the cooler and answered questions 7-14 (intial) M

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES) NO NA

16. Was residual chlorine present? YES NO (NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) M

17. Were custody papers properly filled out (ink, signed, etc)? (YES) NO NA

18. Did you sign the custody papers in the appropriate place? (YES) NO NA

19. Were correct containers used for the analysis requested? (YES) NO NA

20. Was sufficient amount of sample sent in each container? (YES) NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) M

I certify that I attached a label with the unique LIMS number to each container (intial) M

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES (NO) #

BIS = Broken in shipment
Cooler Receipt Form doc

LF-1
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

September 04, 2009 6:28:02PM

Client: CDM Camp Dresser & McKee (Divestment)
50 Hampshire Street
Cambridge, MA 02139
Attn: Debra Beck

Work Order: NSH2643
Project Name: Exxon 27235
Project Nbr: 27235 - Annapolis, MD
P/O Nbr:
Date Received: 08/29/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
MW-6 (7)	NSH2643-01	08/21/09 09:45
Trip Blank	NSH2643-02	08/21/09 00:01

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

The metals MS/MSD were analyzed from a sample from another delivery group with recoveries that were outside QC limits for lead. The blank spike (LCS) recovery was within QC limits; therefore the data was accepted without further analysis.
Maryland Certification Number: 316

The Chain(s) of Custody, 3 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Gail A Lage

Program Manager - National Accounts

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSH2643-01 (MW-6 (7) - Soil) Sampled: 08/21/09 09:45								
General Chemistry Parameters								
% Dry Solids	**81.9**		%	0.500	1	09/04/09 10:42	SW-846	9090446
Total Metals by EPA Method 6010B								
Arsenic	**11.1**		mg/kg dry	1.19	1	09/01/09 23:09	SW846 6010B	9090009
Barium	**12.3**		mg/kg dry	2.38	1	09/01/09 23:09	SW846 6010B	9090009
Cadmium	ND		mg/kg dry	1.19	1	09/01/09 23:09	SW846 6010B	9090009
Chromium	**118**		mg/kg dry	1.19	1	09/01/09 23:09	SW846 6010B	9090009
Lead	**3.96**		mg/kg dry	1.19	1	09/01/09 23:09	SW846 6010B	9090009
Selenium	ND		mg/kg dry	2.38	1	09/01/09 23:09	SW846 6010B	9090009
Silver	ND		mg/kg dry	1.19	1	09/01/09 23:09	SW846 6010B	9090009
Mercury by EPA Methods 7470A/7471A								
Mercury	ND		mg/kg dry	0.122	1	09/03/09 15:30	SW846 7471A	9090022
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg dry	0.00187	1	09/02/09 04:05	SW846 8260B	9084964
Ethylbenzene	ND		mg/kg dry	0.00187	1	09/02/09 04:05	SW846 8260B	9084964
Methyl tert-Butyl Ether	ND		mg/kg dry	0.00187	1	09/02/09 04:05	SW846 8260B	9084964
Toluene	ND		mg/kg dry	0.00187	1	09/02/09 04:05	SW846 8260B	9084964
Xylenes, total	**0.00731**		mg/kg dry	0.00468	1	09/02/09 04:05	SW846 8260B	9084964
Surr: 1,2-Dichloroethane-d4 (67-138%)	*111 %*					*09/02/09 04:05*	*SW846 8260B*	*9084964*
Surr: Dibromofluoromethane (75-125%)	*99 %*					*09/02/09 04:05*	*SW846 8260B*	*9084964*
Surr: Toluene-d8 (76-129%)	*104 %*					*09/02/09 04:05*	*SW846 8260B*	*9084964*
Surr: 4-Bromofluorobenzene (67-147%)	*108 %*					*09/02/09 04:05*	*SW846 8260B*	*9084964*
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg dry	5.99	1	09/03/09 01:07	SW846 8015B	9085074
Surr: o-Terphenyl (29-141%)	*84 %*					*09/03/09 01:07*	*SW846 8015B*	*9085074*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg dry	4.88	50	09/03/09 19:17	SW846 8015B	9090091
Surr: a,a,a-Trifluorotoluene (52-145%)	*106 %*					*09/03/09 19:17*	*SW846 8015B*	*9090091*
Sample ID: NSH2643-02 (Trip Blank - Soil) Sampled: 08/21/09 00:01								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		mg/kg wet	0.00200	1	09/02/09 00:31	SW846 8260B	9084964
Ethylbenzene	ND		mg/kg wet	0.00200	1	09/02/09 00:31	SW846 8260B	9084964
Methyl tert-Butyl Ether	ND		mg/kg wet	0.00200	1	09/02/09 00:31	SW846 8260B	9084964
Toluene	ND		mg/kg wet	0.00200	1	09/02/09 00:31	SW846 8260B	9084964
Xylenes, total	ND		mg/kg wet	0.00500	1	09/02/09 00:31	SW846 8260B	9084964
Surr: 1,2-Dichloroethane-d4 (67-138%)	*115 %*					*09/02/09 00:31*	*SW846 8260B*	*9084964*
Surr: Dibromofluoromethane (75-125%)	*102 %*					*09/02/09 00:31*	*SW846 8260B*	*9084964*
Surr: Toluene-d8 (76-129%)	*101 %*					*09/02/09 00:31*	*SW846 8260B*	*9084964*
Surr: 4-Bromofluorobenzene (67-147%)	*107 %*					*09/02/09 00:31*	*SW846 8260B*	*9084964*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons							
SW846 8015B	9085074	NSH2643-01	25.50	1.00	09/02/09 09:50	TEM	EPA 3550B
Mercury by EPA Methods 7470A/7471A							
SW846 7471A	9090022	NSH2643-01	0.60	100.00	09/01/09 10:24	KKK	EPA 7471
Purgeable Petroleum Hydrocarbons							
SW846 8015B	9090091	NSH2643-01	6.25	5.00	08/21/09 09:45	CHH	EPA 5035A (GC)
Total Metals by EPA Method 6010B							
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
SW846 6010B	9090009	NSH2643-01	0.51	100.00	09/01/09 12:40	BTS	EPA 3051A/6010
Volatile Organic Compounds by EPA Method 8260B							
SW846 8260B	9084964	NSH2643-01	6.52	5.00	08/21/09 09:45	CHH	EPA 5035
SW846 8260B	9084964	NSH2643-02	5.00	5.00	08/21/09 00:01	CHH	EPA 5035

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Total Metals by EPA Method 6010B						
9090009-BLK1						
Arsenic	<0.674		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Barium	0.250		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Cadmium	<0.193		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Chromium	0.655		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Lead	<0.385		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Selenium	<0.674		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Silver	0.539		mg/kg wet	9090009	9090009-BLK1	09/01/09 21:07
Mercury by EPA Methods 7470A/7471A						
9090022-BLK1						
Mercury	<0.0400		mg/kg wet	9090022	9090022-BLK1	09/03/09 14:38
Volatile Organic Compounds by EPA Method 8260B						
9084964-BLK1						
Benzene	<0.000670		mg/kg wet	9084964	9084964-BLK1	09/01/09 22:59
Ethylbenzene	<0.000670		mg/kg wet	9084964	9084964-BLK1	09/01/09 22:59
Methyl tert-Butyl Ether	<0.000670		mg/kg wet	9084964	9084964-BLK1	09/01/09 22:59
Toluene	<0.000400		mg/kg wet	9084964	9084964-BLK1	09/01/09 22:59
Xylenes, total	<0.00130		mg/kg wet	9084964	9084964-BLK1	09/01/09 22:59
Surrogate: 1,2-Dichloroethane-d4	115%			9084964	9084964-BLK1	09/01/09 22:59
Surrogate: Dibromofluoromethane	101%			9084964	9084964-BLK1	09/01/09 22:59
Surrogate: Toluene-d8	103%			9084964	9084964-BLK1	09/01/09 22:59
Surrogate: 4-Bromofluorobenzene	109%			9084964	9084964-BLK1	09/01/09 22:59
Extractable Petroleum Hydrocarbons						
9085074-BLK1						
Diesel	<2.00		mg/kg wet	9085074	9085074-BLK1	09/02/09 22:02
Surrogate: o-Terphenyl	83%			9085074	9085074-BLK1	09/02/09 22:02
Purgeable Petroleum Hydrocarbons						
9090091-BLK1						
GRO as Gasoline	0.754		mg/kg wet	9090091	9090091-BLK1	09/03/09 17:41
Surrogate: a,a,a-Trifluorotoluene	109%			9090091	9090091-BLK1	09/03/09 17:41

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

PROJECT QUALITY CONTROL DATA
Duplicate

Analyte	Orig. Val.	Duplicate	Q	Units	RPD	Limit	Batch	Sample Duplicated	% Rec.	Analyzed Date/Time
General Chemistry Parameters										
9090446-DUP1										
% Dry Solids	91.8	91.8		%	0	20	9090446	NSH2637-13		09/04/09 10:42

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Total Metals by EPA Method 6010B								
9090009-BS1								
Arsenic	20.0	19.0		mg/kg wet	95%	80 - 120	9090009	09/01/09 21:11
Barium	800	793		mg/kg wet	99%	80 - 120	9090009	09/01/09 21:11
Cadmium	20.0	19.2		mg/kg wet	96%	80 - 120	9090009	09/01/09 21:11
Chromium	80.0	80.5		mg/kg wet	101%	80 - 120	9090009	09/01/09 21:11
Lead	20.0	19.4		mg/kg wet	97%	80 - 120	9090009	09/01/09 21:11
Selenium	20.0	19.4		mg/kg wet	97%	80 - 120	9090009	09/01/09 21:11
Silver	20.0	19.8		mg/kg wet	99%	75 - 125	9090009	09/01/09 21:11
Mercury by EPA Methods 7470A/7471A								
9090022-BS1								
Mercury	0.167	0.166		mg/kg wet	99%	80 - 120	9090022	09/03/09 14:41
Volatile Organic Compounds by EPA Method 8260B								
9084964-BS1								
Benzene	50.0	48.7		ug/kg	97%	78 - 126	9084964	09/01/09 21:57
Ethylbenzene	50.0	51.8		ug/kg	104%	79 - 130	9084964	09/01/09 21:57
Methyl tert-Butyl Ether	50.0	48.7		ug/kg	97%	70 - 128	9084964	09/01/09 21:57
Toluene	50.0	51.2		ug/kg	102%	76 - 126	9084964	09/01/09 21:57
Xylenes, total	150	155		ug/kg	103%	80 - 130	9084964	09/01/09 21:57
Surrogate: 1,2-Dichloroethane-d4	50.0	52.3			105%	67 - 138	9084964	09/01/09 21:57
Surrogate: Dibromofluoromethane	50.0	51.1			102%	75 - 125	9084964	09/01/09 21:57
Surrogate: Toluene-d8	50.0	52.8			106%	76 - 129	9084964	09/01/09 21:57
Surrogate: 4-Bromofluorobenzene	50.0	51.7			103%	67 - 147	9084964	09/01/09 21:57
Extractable Petroleum Hydrocarbons								
9085074-BS1								
Diesel	40.0	34.5		mg/kg wet	86%	55 - 123	9085074	09/03/09 10:52
Surrogate: o-Terphenyl	0.800	0.824			103%	29 - 141	9085074	09/03/09 10:52
Purgeable Petroleum Hydrocarbons								
9090091-BS1								
GRO as Gasoline	1.00	0.844		mg/kg wet	84%	71 - 125	9090091	09/04/09 05:25
Surrogate: a,a,a-Trifluorotoluene	30.0	36.8			123%	52 - 145	9090091	09/04/09 05:25

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons												
9090091-BSD1												
GRO as Gasoline		0.916		mg/kg wet	1.00	92%	71 - 125	8	29	9090091		09/04/09 05:57
Surrogate: a,a,a-Trifluorotoluene		38.1		ug/L	30.0	127%	52 - 145			9090091		09/04/09 05:57

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Total Metals by EPA Method 6010B										
9090009-MS1										
Arsenic	1.06	24.1		mg/kg dry	23.7	97%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Barium	9.00	963		mg/kg dry	949	101%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Cadmium	ND	23.0		mg/kg dry	23.7	97%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Chromium	3.71	100		mg/kg dry	94.9	102%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Lead	69.1	85.1	M2	mg/kg dry	23.7	68%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Selenium	0.909	23.4		mg/kg dry	23.7	95%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Silver	ND	23.5		mg/kg dry	23.7	99%	75 - 125	9090009	NSH2581-01	09/01/09 21:20
Mercury by EPA Methods 7470A/7471A										
9090022-MS1										
Mercury	ND	0.190		mg/kg dry	0.188	101%	75 - 125	9090022	NSH2583-02	09/03/09 14:46
Volatile Organic Compounds by EPA Method 8260B										
9084964-MS1										
Benzene	ND	42.4		ug/kg	50.0	85%	42 - 141	9084964	NSH2590-02	09/02/09 07:08
Ethylbenzene	ND	44.9		ug/kg	50.0	90%	21 - 165	9084964	NSH2590-02	09/02/09 07:08
Methyl tert-Butyl Ether	11.9	36.2		ug/kg	50.0	49%	34 - 154	9084964	NSH2590-02	09/02/09 07:08
Toluene	ND	44.9		ug/kg	50.0	90%	45 - 145	9084964	NSH2590-02	09/02/09 07:08
Xylenes, total	ND	135		ug/kg	150	90%	31 - 159	9084964	NSH2590-02	09/02/09 07:08
Surrogate: 1,2-Dichloroethane-d4		60.9		ug/kg	50.0	122%	67 - 138	9084964	NSH2590-02	09/02/09 07:08
Surrogate: Dibromofluoromethane		51.0		ug/kg	50.0	102%	75 - 125	9084964	NSH2590-02	09/02/09 07:08
Surrogate: Toluene-d8		54.1		ug/kg	50.0	108%	76 - 129	9084964	NSH2590-02	09/02/09 07:08
Surrogate: 4-Bromofluorobenzene		51.9		ug/kg	50.0	104%	67 - 147	9084964	NSH2590-02	09/02/09 07:08
Extractable Petroleum Hydrocarbons										
9085074-MS1										
Diesel	ND	42.7		mg/kg dry	45.7	93%	10 - 154	9085074	NSH2597-09	09/03/09 11:09
Surrogate: o-Terphenyl		1.15		mg/kg dry	0.914	126%	29 - 141	9085074	NSH2597-09	09/03/09 11:09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Total Metals by EPA Method 6010B												
9090009-MSD1												
Arsenic	1.06	23.5		mg/kg dry	23.0	97%	75 - 125	2	20	9090009	NSH2581-01	09/01/09 21:25
Barium	9.00	928		mg/kg dry	920	100%	75 - 125	4	20	9090009	NSH2581-01	09/01/09 21:25
Cadmium	ND	22.2		mg/kg dry	23.0	97%	75 - 125	4	20	9090009	NSH2581-01	09/01/09 21:25
Chromium	3.71	97.4		mg/kg dry	92.0	102%	75 - 125	3	20	9090009	NSH2581-01	09/01/09 21:25
Lead	69.1	77.0	M2	mg/kg dry	23.0	35%	75 - 125	10	20	9090009	NSH2581-01	09/01/09 21:25
Selenium	0.909	22.3		mg/kg dry	23.0	93%	75 - 125	5	20	9090009	NSH2581-01	09/01/09 21:25
Silver	ND	22.6		mg/kg dry	23.0	98%	75 - 125	4	20	9090009	NSH2581-01	09/01/09 21:25
Mercury by EPA Methods 7470A/7471A												
9090022-MSD1												
Mercury	ND	0.193		mg/kg dry	0.191	101%	75 - 125	2	20	9090022	NSH2583-02	09/03/09 14:48
Volatile Organic Compounds by EPA Method 8260B												
9084964-MSD1												
Benzene	ND	50.6		ug/kg	50.0	101%	42 - 141	17	50	9084964	NSH2590-02	09/02/09 07:39
Ethylbenzene	ND	53.0		ug/kg	50.0	106%	21 - 165	17	50	9084964	NSH2590-02	09/02/09 07:39
Methyl tert-Butyl Ether	13.1	43.8		ug/kg	50.0	62%	34 - 154	19	50	9084964	NSH2590-02	09/02/09 07:39
Toluene	ND	50.1		ug/kg	50.0	100%	45 - 145	11	50	9084964	NSH2590-02	09/02/09 07:39
Xylenes, total	ND	158		ug/kg	150	105%	31 - 159	16	50	9084964	NSH2590-02	09/02/09 07:39
Surrogate: 1,2-Dichloroethane-d4		61.5		ug/kg	50.0	123%	67 - 138			9084964	NSH2590-02	09/02/09 07:39
Surrogate: Dibromofluoromethane		51.2		ug/kg	50.0	102%	75 - 125			9084964	NSH2590-02	09/02/09 07:39
Surrogate: Toluene-d8		50.2		ug/kg	50.0	100%	76 - 129			9084964	NSH2590-02	09/02/09 07:39
Surrogate: 4-Bromofluorobenzene		50.4		ug/kg	50.0	101%	67 - 147			9084964	NSH2590-02	09/02/09 07:39
Extractable Petroleum Hydrocarbons												
9085074-MSD1												
Diesel	ND	40.6		mg/kg dry	46.4	87%	10 - 154	5	48	9085074	NSH2597-09	09/03/09 11:26
Surrogate: o-Terphenyl		0.992		mg/kg dry	0.929	107%	29 - 141			9085074	NSH2597-09	09/03/09 11:26

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Maryland
SW846 6010B	Soil	N/A	X	N/A
SW846 7471A	Soil		X	N/A
SW846 8015B	Soil	N/A	X	N/A
SW846 8260B	Soil	N/A	X	N/A
SW-846	Soil			

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSH2643
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	08/29/09 08:30

DATA QUALIFIERS AND DEFINITIONS

M2 The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).

ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

NSH2643
09/08/09 23:59

ExxonMobil

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print): DANIEL FORBES
SamplerSignature: Daniel Forbes

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: - XOM- Annapolis- 27235
Facility ID: none
Site Address: 1000 Forest Dr
City,State,Zip: Annapolis Maryland
Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	TRIP BLANK (specify) Other	Analyze for: 8260B BTEX/MTBE	8260B Volatile Organics	8270C Polyaromatic Hydrocarbons	Barium Total EPA 6010B	Priority Pollutant Metals SW846	Solids Percent Dry Weight	TPH - Diesel Range SW846 8015B	TPH - Diesel Range/Oil Range SW8	TPH-Gasoline Range SW8015	RCRA 8 Metals 6010B						RUSH TAT (Pre Schedule)*
MW-6 (7)	8-21-09	0945	6	X			X	X						X					X		X						X			X	X		NS+2643	-01		
TRIP BLANK	—	—	1	X				X												X	X						X							02		

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager: Date:
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15624

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Daniel Forbes	8-28-09	0710	P. Kerr	8/28/09	710		8-28-09	16:00
Shipped Via:			Shipped Via:					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report: Standard	
	8.29.09	0650		VOCs Free of Headspace? Y N				

XOM Phase II - Sample Parameter Table

A2643

Site ID: Station 27235
Address: 1000 Forest Drive
City: Annapolis

		SOIL SAMPLING						
		EPA 8260B		EPA 8015				
Soil Boring ID:	Sample Depth	EPA 8260B (BTEX/MTBE Only)	EPA 8260B (Full Analyte List)	EPA 8015 (GRO)	EPA 8015 (DRO)	EPA 8015 (Oil Range Organics (ORO))	RCRA 8 Metals	EPA 8270 (PAHs)
MW-1	Highest PID or at water table	X		X	X			
MW-2	Highest PID or at water table	X		X	X			
MW-3	Highest PID or at water table	X		X	X			
MW-4	Highest PID or at water table	X		X	X			
MW-5	Highest PID or at water table	X		X	X			
MW-6 01	Highest PID or at water table	X ✓		X ✓	X ✓		X ✓	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RE

NSH2643

Cooler Received/Opened On 08/29/2009 @ 0830

1. Tracking # 0741 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 3.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO NA

4. Were custody seals on outside of cooler? YES NO NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES NO NA

6. Were custody papers inside cooler? YES NO NA

I certify that I opened the cooler and answered questions 1-6 (intial) MW 8/31/09

7. Were custody seals on containers: YES NO and Intact YES NO NA

Were these signed and dated correctly? YES NO NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES NO NA

12. Did all container labels and tags agree with custody papers? YES NO NA

13a. Were VOA vials received? YES NO NA

b. Was there any observable headspace present in any VOA vial? YES NO NA

14. Was there a Trip Blank in this cooler? YES NO NA If multiple coolers, sequence #

I certify that I unloaded the cooler and answered questions 7-14 (intial) MW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO NA

b. Did the bottle labels indicate that the correct preservatives were used YES NO NA

16. Was residual chlorine present? YES NO NA

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MW

17. Were custody papers properly filled out (ink, signed, etc)? YES NO NA

18. Did you sign the custody papers in the appropriate place? YES NO NA

19. Were correct containers used for the analysis requested? YES NO NA

20. Was sufficient amount of sample sent in each container? YES NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MW

I certify that I attached a label with the unique LIMS number to each container (intial) MW

21 Were there Non-Conformance issues at login? YES NO Was a PIPE generated? YES NO #

4 of 4

BIS = Broken in shipment
Cooler Receipt Form doc

LF-1
End of Form

Revised 6/24/09

ATTACHMENT D

Groundwater Laboratory Analytical Report

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

September 22, 2009 2:12:17PM

Client: CDM Camp Dresser & McKee (Divestment)
50 Hampshire Street
Cambridge, MA 02139
Attn: Debra Beck

Work Order: NSI1247
Project Name: Exxon 27235
Project Nbr: 27235 - Annapolis, MD
P/O Nbr:
Date Received: 09/16/09

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
Trip Blank	NSI1247-01	09/14/09 00:01
MW-5 (9-14-09)	NSI1247-02	09/14/09 11:15
MW-2 (9-14-09)	NSI1247-03	09/14/09 12:10
MW-6 (9-14-09)	NSI1247-04	09/14/09 13:20
MW-1 (9-14-09)	NSI1247-05	09/14/09 14:10
MW-3 (9-14-09)	NSI1247-06	09/14/09 15:15
MW-4 (9-14-09)	NSI1247-07	09/14/09 14:50

An executed copy of the chain of custody, the project quality control data, and the sample receipt form are also included as an addendum to this report. If you have any questions relating to this analytical report, please contact your Laboratory Project Manager at 1-800-765-0980. Any opinions, if expressed, are outside the scope of the Laboratory's accreditation.

This material is intended only for the use of the individual(s) or entity to whom it is addressed, and may contain information that is privileged and confidential. If you are not the intended recipient, or the employee or agent responsible for delivering this material to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this material is strictly prohibited. If you have received this material in error, please notify us immediately at 615-726-0177.

Additional Laboratory Comments:
All samples were received in good condition, properly preserved, and properly labeled. All analyses were completed within holding times.

The volatile surrogate recoveries in sample NSI1247-06 (MW-3 (9-14-09)) were outside QC limits due to sample matrix.
Maryland Certification Number: 316

The Chain(s) of Custody, 9 pages, are included and are an integral part of this report.

These results relate only to the items tested. This report shall not be reproduced except in full and with permission of the laboratory.

All solids results are reported in wet weight unless specifically stated.
Estimated uncertainty is available upon request.
This report has been electronically signed.
Report Approved By:

Gail A Lage

Program Manager - National Accounts

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1247-01 (Trip Blank - Ground Water) Sampled: 09/14/09 00:01								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	1.00	1	09/18/09 04:55	SW846 8260B	9092473
Ethylbenzene	ND		ug/L	1.00	1	09/18/09 04:55	SW846 8260B	9092473
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	09/18/09 04:55	SW846 8260B	9092473
Toluene	ND		ug/L	1.00	1	09/18/09 04:55	SW846 8260B	9092473
Xylenes, total	ND		ug/L	3.00	1	09/18/09 04:55	SW846 8260B	9092473
Surr: 1,2-Dichloroethane-d4 (63-140%)	*105 %*					*09/18/09 04:55*	*SW846 8260B*	*9092473*
Surr: Dibromofluoromethane (73-131%)	*103 %*					*09/18/09 04:55*	*SW846 8260B*	*9092473*
Surr: Toluene-d8 (80-120%)	*109 %*					*09/18/09 04:55*	*SW846 8260B*	*9092473*
Surr: 4-Bromofluorobenzene (79-125%)	*116 %*					*09/18/09 04:55*	*SW846 8260B*	*9092473*
Sample ID: NSI1247-02 (MW-5 (9-14-09) - Ground Water) Sampled: 09/14/09 11:15								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	1.00	1	09/18/09 07:39	SW846 8260B	9092473
Ethylbenzene	ND		ug/L	1.00	1	09/18/09 07:39	SW846 8260B	9092473
Methyl tert-Butyl Ether	**2.74**		ug/L	1.00	1	09/18/09 07:39	SW846 8260B	9092473
Toluene	ND		ug/L	1.00	1	09/18/09 07:39	SW846 8260B	9092473
Xylenes, total	ND		ug/L	3.00	1	09/18/09 07:39	SW846 8260B	9092473
Surr: 1,2-Dichloroethane-d4 (63-140%)	*105 %*					*09/18/09 07:39*	*SW846 8260B*	*9092473*
Surr: Dibromofluoromethane (73-131%)	*102 %*					*09/18/09 07:39*	*SW846 8260B*	*9092473*
Surr: Toluene-d8 (80-120%)	*111 %*					*09/18/09 07:39*	*SW846 8260B*	*9092473*
Surr: 4-Bromofluorobenzene (79-125%)	*116 %*					*09/18/09 07:39*	*SW846 8260B*	*9092473*
Extractable Petroleum Hydrocarbons								
Diesel	**201**		ug/L	95.2	1	09/19/09 07:36	SW846 8015B	9092429
Surr: o-Terphenyl (27-150%)	*65 %*					*09/19/09 07:36*	*SW846 8015B*	*9092429*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	100	1	09/17/09 15:51	SW846 8015B	9092495
Surr: a,a,a-Trifluorotoluene (46-150%)	*111 %*					*09/17/09 15:51*	*SW846 8015B*	*9092495*
Sample ID: NSI1247-03 (MW-2 (9-14-09) - Ground Water) Sampled: 09/14/09 12:10								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	**1.34**		ug/L	1.00	1	09/18/09 08:07	SW846 8260B	9092473
Ethylbenzene	**37.8**		ug/L	1.00	1	09/18/09 08:07	SW846 8260B	9092473
Methyl tert-Butyl Ether	**654**		ug/L	10.0	10	09/19/09 04:29	SW846 8260B	9092861
Toluene	**11.7**		ug/L	1.00	1	09/18/09 08:07	SW846 8260B	9092473
Xylenes, total	**100**		ug/L	3.00	1	09/18/09 08:07	SW846 8260B	9092473
Surr: 1,2-Dichloroethane-d4 (63-140%)	*109 %*					*09/18/09 08:07*	*SW846 8260B*	*9092473*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*108 %*					*09/19/09 04:29*	*SW846 8260B*	*9092861*
Surr: Dibromofluoromethane (73-131%)	*97 %*					*09/18/09 08:07*	*SW846 8260B*	*9092473*
Surr: Dibromofluoromethane (73-131%)	*100 %*					*09/19/09 04:29*	*SW846 8260B*	*9092861*
Surr: Toluene-d8 (80-120%)	*111 %*					*09/18/09 08:07*	*SW846 8260B*	*9092473*
Surr: Toluene-d8 (80-120%)	*112 %*					*09/19/09 04:29*	*SW846 8260B*	*9092861*
Surr: 4-Bromofluorobenzene (79-125%)	*113 %*					*09/18/09 08:07*	*SW846 8260B*	*9092473*
Surr: 4-Bromofluorobenzene (79-125%)	*111 %*					*09/19/09 04:29*	*SW846 8260B*	*9092861*

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1247-03 (MW-2 (9-14-09) - Ground Water) - cont. Sampled: 09/14/09 12:10								
Extractable Petroleum Hydrocarbons								
Diesel	**1440**		ug/L	100	1	09/19/09 07:53	SW846 8015B	9092429
Surr: o-Terphenyl (27-150%)	*76 %*					*09/19/09 07:53*	*SW846 8015B*	*9092429*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**6310**		ug/L	1000	10	09/18/09 11:54	SW846 8015B	9092659
Surr: a,a,a-Trifluorotoluene (46-150%)	*115 %*					*09/18/09 11:54*	*SW846 8015B*	*9092659*
Sample ID: NSI1247-04 (MW-6 (9-14-09) - Ground Water) Sampled: 09/14/09 13:20								
Dissolved Metals by EPA Method 6010B								
Arsenic	ND	P7	mg/L	0.0100	1	09/18/09 17:13	SW846 6010B	9092519
Barium	**0.136**	P7	mg/L	0.0100	1	09/18/09 17:13	SW846 6010B	9092519
Cadmium	ND	P7	mg/L	0.00100	1	09/18/09 17:13	SW846 6010B	9092519
Chromium	ND	P7	mg/L	0.00500	1	09/18/09 17:13	SW846 6010B	9092519
Lead	ND	P7	mg/L	0.00500	1	09/18/09 17:13	SW846 6010B	9092519
Selenium	ND	P7	mg/L	0.0100	1	09/18/09 17:13	SW846 6010B	9092519
Silver	ND	P7	mg/L	0.00500	1	09/18/09 17:13	SW846 6010B	9092519
Dissolved Mercury by EPA Methods 7470A/7471A								
Mercury	ND	P7	mg/L	0.000200	1	09/18/09 13:16	SW846 7470A	9092450
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	1.00	1	09/19/09 03:35	SW846 8260B	9092861
Ethylbenzene	ND		ug/L	1.00	1	09/19/09 03:35	SW846 8260B	9092861
Methyl tert-Butyl Ether	**1.72**		ug/L	1.00	1	09/19/09 03:35	SW846 8260B	9092861
Toluene	ND		ug/L	1.00	1	09/19/09 03:35	SW846 8260B	9092861
Xylenes, total	ND		ug/L	3.00	1	09/19/09 03:35	SW846 8260B	9092861
Surr: 1,2-Dichloroethane-d4 (63-140%)	*107 %*					*09/19/09 03:35*	*SW846 8260B*	*9092861*
Surr: Dibromofluoromethane (73-131%)	*103 %*					*09/19/09 03:35*	*SW846 8260B*	*9092861*
Surr: Toluene-d8 (80-120%)	*111 %*					*09/19/09 03:35*	*SW846 8260B*	*9092861*
Surr: 4-Bromofluorobenzene (79-125%)	*115 %*					*09/19/09 03:35*	*SW846 8260B*	*9092861*
Extractable Petroleum Hydrocarbons								
Diesel	**456**		ug/L	100	1	09/19/09 08:10	SW846 8015B	9092429
Surr: o-Terphenyl (27-150%)	*79 %*					*09/19/09 08:10*	*SW846 8015B*	*9092429*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	100	1	09/17/09 17:47	SW846 8015B	9092495
Surr: a,a,a-Trifluorotoluene (46-150%)	*113 %*					*09/17/09 17:47*	*SW846 8015B*	*9092495*
Sample ID: NSI1247-05 (MW-1 (9-14-09) - Ground Water) Sampled: 09/14/09 14:10								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	1.00	1	09/18/09 09:01	SW846 8260B	9092473
Ethylbenzene	ND		ug/L	1.00	1	09/18/09 09:01	SW846 8260B	9092473
Methyl tert-Butyl Ether	ND		ug/L	1.00	1	09/18/09 09:01	SW846 8260B	9092473
Toluene	ND		ug/L	1.00	1	09/18/09 09:01	SW846 8260B	9092473
Xylenes, total	ND		ug/L	3.00	1	09/18/09 09:01	SW846 8260B	9092473

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	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1247-05 (MW-1 (9-14-09) - Ground Water) - cont. Sampled: 09/14/09 14:10								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Surr: 1,2-Dichloroethane-d4 (63-140%)	*108 %*					*09/18/09 09:01*	*SW846 8260B*	*9092473*
Surr: Dibromofluoromethane (73-131%)	*103 %*					*09/18/09 09:01*	*SW846 8260B*	*9092473*
Surr: Toluene-d8 (80-120%)	*111 %*					*09/18/09 09:01*	*SW846 8260B*	*9092473*
Surr: 4-Bromofluorobenzene (79-125%)	*119 %*					*09/18/09 09:01*	*SW846 8260B*	*9092473*
Extractable Petroleum Hydrocarbons								
Diesel	ND		ug/L	100	1	09/19/09 08:27	SW846 8015B	9092429
Surr: o-Terphenyl (27-150%)	*61 %*					*09/19/09 08:27*	*SW846 8015B*	*9092429*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	100	1	09/17/09 18:20	SW846 8015B	9092495
Surr: a,a,a-Trifluorotoluene (46-150%)	*112 %*					*09/17/09 18:20*	*SW846 8015B*	*9092495*
Sample ID: NSI1247-06 (MW-3 (9-14-09) - Ground Water) Sampled: 09/14/09 15:15								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	**9000**		ug/L	100	100	09/19/09 05:52	SW846 8260B	9092861
Ethylbenzene	**1730**		ug/L	100	100	09/19/09 05:52	SW846 8260B	9092861
Methyl tert-Butyl Ether	**200**		ug/L	1.00	1	09/18/09 09:29	SW846 8260B	9092473
Toluene	**21500**		ug/L	250	250	09/21/09 21:01	SW846 8260B	9093080
Xylenes, total	**7900**		ug/L	300	100	09/19/09 05:52	SW846 8260B	9092861
Surr: 1,2-Dichloroethane-d4 (63-140%)	*44 %*	*ZX*				*09/18/09 09:29*	*SW846 8260B*	*9092473*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*107 %*					*09/19/09 05:52*	*SW846 8260B*	*9092861*
Surr: 1,2-Dichloroethane-d4 (63-140%)	*107 %*					*09/21/09 21:01*	*SW846 8260B*	*9093080*
Surr: Dibromofluoromethane (73-131%)	*88 %*					*09/18/09 09:29*	*SW846 8260B*	*9092473*
Surr: Dibromofluoromethane (73-131%)	*99 %*					*09/19/09 05:52*	*SW846 8260B*	*9092861*
Surr: Dibromofluoromethane (73-131%)	*104 %*					*09/21/09 21:01*	*SW846 8260B*	*9093080*
Surr: Toluene-d8 (80-120%)	*53 %*	*ZX*				*09/18/09 09:29*	*SW846 8260B*	*9092473*
Surr: Toluene-d8 (80-120%)	*110 %*					*09/19/09 05:52*	*SW846 8260B*	*9092861*
Surr: Toluene-d8 (80-120%)	*110 %*					*09/21/09 21:01*	*SW846 8260B*	*9093080*
Surr: 4-Bromofluorobenzene (79-125%)	*123 %*					*09/18/09 09:29*	*SW846 8260B*	*9092473*
Surr: 4-Bromofluorobenzene (79-125%)	*114 %*					*09/19/09 05:52*	*SW846 8260B*	*9092861*
Surr: 4-Bromofluorobenzene (79-125%)	*115 %*					*09/21/09 21:01*	*SW846 8260B*	*9093080*
Extractable Petroleum Hydrocarbons								
Diesel	**2900**		ug/L	481	5	09/19/09 10:43	SW846 8015B	9092429
Surr: o-Terphenyl (27-150%)	*73 %*					*09/19/09 10:43*	*SW846 8015B*	*9092429*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	**165000**		ug/L	50000	500	09/18/09 11:15	SW846 8015B	9092659
Surr: a,a,a-Trifluorotoluene (46-150%)	*112 %*					*09/18/09 11:15*	*SW846 8015B*	*9092659*
Sample ID: NSI1247-07 (MW-4 (9-14-09) - Ground Water) Sampled: 09/14/09 14:50								
Volatile Organic Compounds by EPA Method 8260B								
Benzene	ND		ug/L	1.00	1	09/19/09 04:02	SW846 8260B	9092861
Ethylbenzene	ND		ug/L	1.00	1	09/19/09 04:02	SW846 8260B	9092861
Methyl tert-Butyl Ether	**19.0**		ug/L	1.00	1	09/19/09 04:02	SW846 8260B	9092861
Toluene	ND		ug/L	1.00	1	09/19/09 04:02	SW846 8260B	9092861

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NSI1247-07 (MW-4 (9-14-09) - Ground Water) - cont. Sampled: 09/14/09 14:50								
Volatile Organic Compounds by EPA Method 8260B - cont.								
Xylenes, total	ND		ug/L	3.00	1	09/19/09 04:02	SW846 8260B	9092861
Surr: 1,2-Dichloroethane-d4 (63-140%)	*105 %*					*09/19/09 04:02*	*SW846 8260B*	*9092861*
Surr: Dibromofluoromethane (73-131%)	*104 %*					*09/19/09 04:02*	*SW846 8260B*	*9092861*
Surr: Toluene-d8 (80-120%)	*110 %*					*09/19/09 04:02*	*SW846 8260B*	*9092861*
Surr: 4-Bromofluorobenzene (79-125%)	*115 %*					*09/19/09 04:02*	*SW846 8260B*	*9092861*
Extractable Petroleum Hydrocarbons								
Diesel	ND		ug/L	100	1	09/19/09 09:01	SW846 8015B	9092429
Surr: o-Terphenyl (27-150%)	*71 %*					*09/19/09 09:01*	*SW846 8015B*	*9092429*
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		ug/L	100	1	09/18/09 09:06	SW846 8015B	9092659
Surr: a,a,a-Trifluorotoluene (46-150%)	*110 %*					*09/18/09 09:06*	*SW846 8015B*	*9092659*

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

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	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Dissolved Mercury by EPA Methods 7470A/7471A							
SW846 7470A	9092450	NSI1247-04	30.00	30.00	09/17/09 09:41	KKK	EPA 7470
Dissolved Metals by EPA Method 6010B							
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
SW846 6010B	9092519	NSI1247-04	50.00	50.00	09/17/09 13:45	JLS	EPA 3010A / 6010 D
Extractable Petroleum Hydrocarbons							
SW846 8015B	9092429	NSI1247-02	1050.00	1.00	09/17/09 14:15	DMG	EPA 3510C
SW846 8015B	9092429	NSI1247-03	1000.00	1.00	09/17/09 14:15	DMG	EPA 3510C
SW846 8015B	9092429	NSI1247-04	1000.00	1.00	09/17/09 14:15	DMG	EPA 3510C
SW846 8015B	9092429	NSI1247-05	1000.00	1.00	09/17/09 14:15	DMG	EPA 3510C
SW846 8015B	9092429	NSI1247-06	1040.00	1.00	09/17/09 14:15	DMG	EPA 3510C
SW846 8015B	9092429	NSI1247-06RE1	1040.00	1.00	09/17/09 14:15	DMG	EPA 3510C
SW846 8015B	9092429	NSI1247-07	1000.00	1.00	09/17/09 14:15	DMG	EPA 3510C

TestAmerica
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	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Dissolved Metals by EPA Method 6010B						
9092519-BLK1						
Arsenic	<0.00360		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Barium	<0.00100		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Cadmium	<0.000600		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Chromium	<0.00260		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Lead	<0.00210		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Selenium	<0.00390		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Silver	<0.00280		mg/L	9092519	9092519-BLK1	09/18/09 16:11
Dissolved Mercury by EPA Methods 7470A/7471A						
9092450-BLK1						
Mercury	<0.000100		mg/L	9092450	9092450-BLK1	09/18/09 12:38
Volatile Organic Compounds by EPA Method 8260B						
9092473-BLK1						
Benzene	<0.410		ug/L	9092473	9092473-BLK1	09/18/09 04:00
Ethylbenzene	<0.350		ug/L	9092473	9092473-BLK1	09/18/09 04:00
Methyl tert-Butyl Ether	<0.320		ug/L	9092473	9092473-BLK1	09/18/09 04:00
Toluene	<0.350		ug/L	9092473	9092473-BLK1	09/18/09 04:00
Xylenes, total	<0.730		ug/L	9092473	9092473-BLK1	09/18/09 04:00
Surrogate: 1,2-Dichloroethane-d4	106%			9092473	9092473-BLK1	09/18/09 04:00
Surrogate: Dibromofluoromethane	102%			9092473	9092473-BLK1	09/18/09 04:00
Surrogate: Toluene-d8	109%			9092473	9092473-BLK1	09/18/09 04:00
Surrogate: 4-Bromofluorobenzene	117%			9092473	9092473-BLK1	09/18/09 04:00
9092861-BLK1						
Benzene	<0.410		ug/L	9092861	9092861-BLK1	09/19/09 01:18
Ethylbenzene	<0.350		ug/L	9092861	9092861-BLK1	09/19/09 01:18
Methyl tert-Butyl Ether	<0.320		ug/L	9092861	9092861-BLK1	09/19/09 01:18
Toluene	<0.350		ug/L	9092861	9092861-BLK1	09/19/09 01:18
Xylenes, total	<0.730		ug/L	9092861	9092861-BLK1	09/19/09 01:18
Surrogate: 1,2-Dichloroethane-d4	106%			9092861	9092861-BLK1	09/19/09 01:18
Surrogate: Dibromofluoromethane	103%			9092861	9092861-BLK1	09/19/09 01:18
Surrogate: Toluene-d8	110%			9092861	9092861-BLK1	09/19/09 01:18
Surrogate: 4-Bromofluorobenzene	115%			9092861	9092861-BLK1	09/19/09 01:18
9093080-BLK1						
Benzene	<0.410		ug/L	9093080	9093080-BLK1	09/21/09 13:16
Ethylbenzene	<0.350		ug/L	9093080	9093080-BLK1	09/21/09 13:16
Methyl tert-Butyl Ether	<0.320		ug/L	9093080	9093080-BLK1	09/21/09 13:16
Toluene	<0.350		ug/L	9093080	9093080-BLK1	09/21/09 13:16
Xylenes, total	<0.730		ug/L	9093080	9093080-BLK1	09/21/09 13:16

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B						
9093080-BLK1						
Surrogate: 1,2-Dichloroethane-d4	106%			9093080	9093080-BLK1	09/21/09 13:16
Surrogate: Dibromofluoromethane	103%			9093080	9093080-BLK1	09/21/09 13:16
Surrogate: Toluene-d8	110%			9093080	9093080-BLK1	09/21/09 13:16
Surrogate: 4-Bromofluorobenzene	119%			9093080	9093080-BLK1	09/21/09 13:16
Extractable Petroleum Hydrocarbons						
9092429-BLK1						
Diesel	<28.0		ug/L	9092429	9092429-BLK1	09/18/09 23:26
Surrogate: o-Terphenyl	86%			9092429	9092429-BLK1	09/18/09 23:26
Purgeable Petroleum Hydrocarbons						
9092495-BLK1						
GRO as Gasoline	<26.0		ug/L	9092495	9092495-BLK1	09/17/09 12:37
Surrogate: a,a,a-Trifluorotoluene	111%			9092495	9092495-BLK1	09/17/09 12:37
9092659-BLK1						
GRO as Gasoline	28.7		ug/L	9092659	9092659-BLK1	09/18/09 07:46
Surrogate: a,a,a-Trifluorotoluene	113%			9092659	9092659-BLK1	09/18/09 07:46

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA
LCS

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Dissolved Metals by EPA Method 6010B								
9092519-BS1								
Arsenic	0.0500	0.0500		mg/L	100%	80 - 120	9092519	09/18/09 16:15
Barium	2.00	2.15		mg/L	108%	80 - 120	9092519	09/18/09 16:15
Cadmium	0.0500	0.0510		mg/L	102%	80 - 120	9092519	09/18/09 16:15
Chromium	0.200	0.207		mg/L	104%	80 - 120	9092519	09/18/09 16:15
Lead	0.0500	0.0511		mg/L	102%	80 - 120	9092519	09/18/09 16:15
Selenium	0.0500	0.0522		mg/L	104%	80 - 120	9092519	09/18/09 16:15
Silver	0.0500	0.0524		mg/L	105%	80 - 120	9092519	09/18/09 16:15
Dissolved Mercury by EPA Methods 7470A/7471A								
9092450-BS1								
Mercury	0.00100	0.00112		mg/L	112%	80 - 120	9092450	09/18/09 12:40
Volatile Organic Compounds by EPA Method 8260B								
9092473-BS1								
Benzene	50.0	56.2		ug/L	112%	80 - 121	9092473	09/18/09 02:10
Ethylbenzene	50.0	58.5		ug/L	117%	78 - 133	9092473	09/18/09 02:10
Methyl tert-Butyl Ether	50.0	54.0		ug/L	108%	76 - 120	9092473	09/18/09 02:10
Toluene	50.0	59.2		ug/L	118%	78 - 125	9092473	09/18/09 02:10
Xylenes, total	150	187		ug/L	124%	78 - 134	9092473	09/18/09 02:10
Surrogate: 1,2-Dichloroethane-d4	25.0	24.8			99%	63 - 140	9092473	09/18/09 02:10
Surrogate: Dibromofluoromethane	25.0	25.8			103%	73 - 131	9092473	09/18/09 02:10
Surrogate: Toluene-d8	25.0	27.0			108%	80 - 120	9092473	09/18/09 02:10
Surrogate: 4-Bromofluorobenzene	25.0	25.7			103%	79 - 125	9092473	09/18/09 02:10
9092861-BS1								
Benzene	50.0	58.8		ug/L	118%	80 - 121	9092861	09/18/09 23:28
Ethylbenzene	50.0	59.6		ug/L	119%	78 - 133	9092861	09/18/09 23:28
Methyl tert-Butyl Ether	50.0	59.0		ug/L	118%	76 - 120	9092861	09/18/09 23:28
Toluene	50.0	60.2		ug/L	120%	78 - 125	9092861	09/18/09 23:28
Xylenes, total	150	189		ug/L	126%	78 - 134	9092861	09/18/09 23:28
Surrogate: 1,2-Dichloroethane-d4	25.0	25.3			101%	63 - 140	9092861	09/18/09 23:28
Surrogate: Dibromofluoromethane	25.0	26.6			106%	73 - 131	9092861	09/18/09 23:28
Surrogate: Toluene-d8	25.0	27.2			109%	80 - 120	9092861	09/18/09 23:28
Surrogate: 4-Bromofluorobenzene	25.0	25.6			102%	79 - 125	9092861	09/18/09 23:28
9093080-BS1								
Benzene	50.0	58.1		ug/L	116%	80 - 121	9093080	09/21/09 11:22
Ethylbenzene	50.0	60.3		ug/L	121%	78 - 133	9093080	09/21/09 11:22
Methyl tert-Butyl Ether	50.0	56.8		ug/L	114%	76 - 120	9093080	09/21/09 11:22
Toluene	50.0	61.6		ug/L	123%	78 - 125	9093080	09/21/09 11:22
Xylenes, total	150	190		ug/L	127%	78 - 134	9093080	09/21/09 11:22

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B								
9093080-BS1								
Surrogate: 1,2-Dichloroethane-d4	25.0	24.7			99%	63 - 140	9093080	09/21/09 11:22
Surrogate: Dibromofluoromethane	25.0	26.0			104%	73 - 131	9093080	09/21/09 11:22
Surrogate: Toluene-d8	25.0	26.9			108%	80 - 120	9093080	09/21/09 11:22
Surrogate: 4-Bromofluorobenzene	25.0	25.9			103%	79 - 125	9093080	09/21/09 11:22
Extractable Petroleum Hydrocarbons								
9092429-BS1								
Diesel	1000	986	MNR1	ug/L	99%	50 - 123	9092429	09/19/09 03:40
Surrogate: o-Terphenyl	20.0	19.3			96%	27 - 150	9092429	09/19/09 03:40
Purgeable Petroleum Hydrocarbons								
9092495-BS1								
GRO as Gasoline	1000	886		ug/L	89%	26 - 150	9092495	09/18/09 00:47
Surrogate: a,a,a-Trifluorotoluene	30.0	41.0			137%	46 - 150	9092495	09/18/09 00:47
9092659-BS1								
GRO as Gasoline	1000	872		ug/L	87%	26 - 150	9092659	09/18/09 13:31
Surrogate: a,a,a-Trifluorotoluene	30.0	42.9			143%	46 - 150	9092659	09/18/09 13:31

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA

LCS Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Dissolved Metals by EPA Method 6010B												
9092519-BSD1												
Arsenic		0.0490		mg/L	0.0500	98%	80 - 120	2	20	9092519		09/18/09 16:18
Barium		2.16		mg/L	2.00	108%	80 - 120	0.5	20	9092519		09/18/09 16:18
Cadmium		0.0510		mg/L	0.0500	102%	80 - 120	0	20	9092519		09/18/09 16:18
Chromium		0.207		mg/L	0.200	104%	80 - 120	0	20	9092519		09/18/09 16:18
Lead		0.0517		mg/L	0.0500	103%	80 - 120	1	20	9092519		09/18/09 16:18
Selenium		0.0531		mg/L	0.0500	106%	80 - 120	2	20	9092519		09/18/09 16:18
Silver		0.0523		mg/L	0.0500	105%	80 - 120	0.2	20	9092519		09/18/09 16:18
Dissolved Mercury by EPA Methods 7470A/7471A												
9092450-BSD1												
Mercury		0.00105		mg/L	0.00100	105%	80 - 120	6	20	9092450		09/18/09 12:43
Volatile Organic Compounds by EPA Method 8260B												
9092473-BSD1												
Benzene		55.8		ug/L	50.0	112%	80 - 121	0.7	12	9092473		09/18/09 02:38
Ethylbenzene		56.8		ug/L	50.0	114%	78 - 133	3	12	9092473		09/18/09 02:38
Methyl tert-Butyl Ether		54.8		ug/L	50.0	110%	76 - 120	1	32	9092473		09/18/09 02:38
Toluene		58.4		ug/L	50.0	117%	78 - 125	1	35	9092473		09/18/09 02:38
Xylenes, total		182		ug/L	150	121%	78 - 134	3	18	9092473		09/18/09 02:38
Surrogate: 1,2-Dichloroethane-d4		25.0		ug/L	25.0	100%	63 - 140			9092473		09/18/09 02:38
Surrogate: Dibromofluoromethane		26.2		ug/L	25.0	105%	73 - 131			9092473		09/18/09 02:38
Surrogate: Toluene-d8		27.4		ug/L	25.0	109%	80 - 120			9092473		09/18/09 02:38
Surrogate: 4-Bromofluorobenzene		25.8		ug/L	25.0	103%	79 - 125			9092473		09/18/09 02:38
9092861-BSD1												
Benzene		55.0		ug/L	50.0	110%	80 - 121	7	12	9092861		09/18/09 23:55
Ethylbenzene		56.4		ug/L	50.0	113%	78 - 133	5	12	9092861		09/18/09 23:55
Methyl tert-Butyl Ether		55.5		ug/L	50.0	111%	76 - 120	6	32	9092861		09/18/09 23:55
Toluene		57.6		ug/L	50.0	115%	78 - 125	4	35	9092861		09/18/09 23:55
Xylenes, total		178		ug/L	150	119%	78 - 134	6	18	9092861		09/18/09 23:55
Surrogate: 1,2-Dichloroethane-d4		24.8		ug/L	25.0	99%	63 - 140			9092861		09/18/09 23:55
Surrogate: Dibromofluoromethane		25.9		ug/L	25.0	104%	73 - 131			9092861		09/18/09 23:55
Surrogate: Toluene-d8		27.2		ug/L	25.0	109%	80 - 120			9092861		09/18/09 23:55
Surrogate: 4-Bromofluorobenzene		25.9		ug/L	25.0	103%	79 - 125			9092861		09/18/09 23:55
9093080-BSD1												
Benzene		58.4		ug/L	50.0	117%	80 - 121	0.5	12	9093080		09/21/09 11:50
Ethylbenzene		61.2		ug/L	50.0	122%	78 - 133	2	12	9093080		09/21/09 11:50
Methyl tert-Butyl Ether		57.8		ug/L	50.0	116%	76 - 120	2	32	9093080		09/21/09 11:50
Toluene		61.7		ug/L	50.0	123%	78 - 125	0.2	35	9093080		09/21/09 11:50
Xylenes, total		191		ug/L	150	127%	78 - 134	0.7	18	9093080		09/21/09 11:50

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA

LCS Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B												
9093080-BSD1												
Surrogate: 1,2-Dichloroethane-d4		25.2		ug/L	25.0	101%	63 - 140			9093080		09/21/09 11:50
Surrogate: Dibromofluoromethane		25.8		ug/L	25.0	103%	73 - 131			9093080		09/21/09 11:50
Surrogate: Toluene-d8		26.9		ug/L	25.0	108%	80 - 120			9093080		09/21/09 11:50
Surrogate: 4-Bromofluorobenzene		26.4		ug/L	25.0	106%	79 - 125			9093080		09/21/09 11:50

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Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Dissolved Metals by EPA Method 6010B										
9092519-MS1										
Arsenic	ND	0.0501		mg/L	0.0500	100%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Barium	0.0761	2.20		mg/L	2.00	106%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Cadmium	ND	0.0506		mg/L	0.0500	101%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Chromium	ND	0.203		mg/L	0.200	101%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Lead	ND	0.0515		mg/L	0.0500	103%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Selenium	ND	0.0525		mg/L	0.0500	105%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Silver	ND	0.0514		mg/L	0.0500	103%	75 - 125	9092519	NSI1245-01	09/18/09 16:54
Dissolved Mercury by EPA Methods 7470A/7471A										
9092450-MS1										
Mercury	ND	0.00116		mg/L	0.00100	116%	75 - 125	9092450	NSI1214-01	09/18/09 12:48
Volatile Organic Compounds by EPA Method 8260B										
9092473-MS1										
Benzene	ND	54.4		ug/L	50.0	109%	65 - 151	9092473	NSI1247-05	09/18/09 11:46
Ethylbenzene	ND	55.4		ug/L	50.0	111%	68 - 157	9092473	NSI1247-05	09/18/09 11:46
Methyl tert-Butyl Ether	0.470	58.5		ug/L	50.0	116%	56 - 152	9092473	NSI1247-05	09/18/09 11:46
Toluene	0.250	56.8		ug/L	50.0	113%	61 - 153	9092473	NSI1247-05	09/18/09 11:46
Xylenes, total	0.260	171		ug/L	150	114%	68 - 158	9092473	NSI1247-05	09/18/09 11:46
Surrogate: 1,2-Dichloroethane-d4		25.3		ug/L	25.0	101%	63 - 140	9092473	NSI1247-05	09/18/09 11:46
Surrogate: Dibromofluoromethane		25.4		ug/L	25.0	101%	73 - 131	9092473	NSI1247-05	09/18/09 11:46
Surrogate: Toluene-d8		26.7		ug/L	25.0	107%	80 - 120	9092473	NSI1247-05	09/18/09 11:46
Surrogate: 4-Bromofluorobenzene		27.6		ug/L	25.0	111%	79 - 125	9092473	NSI1247-05	09/18/09 11:46
9092861-MS1										
Benzene	9000	16300		ug/L	5000	145%	65 - 151	9092861	NSI1247-06RE1	09/19/09 06:19
Ethylbenzene	1730	8490		ug/L	5000	135%	68 - 157	9092861	NSI1247-06RE1	09/19/09 06:19
Methyl tert-Butyl Ether	154	6240		ug/L	5000	122%	56 - 152	9092861	NSI1247-06RE1	09/19/09 06:19
Toluene	23200	30000		ug/L	5000	136%	61 - 153	9092861	NSI1247-06RE1	09/19/09 06:19
Xylenes, total	7900	29900		ug/L	15000	147%	68 - 158	9092861	NSI1247-06RE1	09/19/09 06:19
Surrogate: 1,2-Dichloroethane-d4		25.1		ug/L	25.0	100%	63 - 140	9092861	NSI1247-06RE1	09/19/09 06:19
Surrogate: Dibromofluoromethane		26.0		ug/L	25.0	104%	73 - 131	9092861	NSI1247-06RE1	09/19/09 06:19
Surrogate: Toluene-d8		26.6		ug/L	25.0	106%	80 - 120	9092861	NSI1247-06RE1	09/19/09 06:19

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA
Matrix Spike - Cont.

Analyte	Orig. Val.	MS Val	Q	Units	Spike Conc	% Rec.	Target Range	Batch	Sample Spiked	Analyzed Date/Time
Volatile Organic Compounds by EPA Method 8260B										
9092861-MS1										
Surrogate: 4-Bromofluorobenzene		25.4		ug/L	25.0	102%	79 - 125	9092861	NSI1247-06RE1	09/19/09 06:19
Purgeable Petroleum Hydrocarbons										
9092495-MS1										
GRO as Gasoline	ND	1020		ug/L	1000	102%	26 - 187	9092495	NSI1229-02	09/18/09 09:38
Surrogate: a,a,a-Trifluorotoluene		41.7		ug/L	30.0	139%	46 - 150	9092495	NSI1229-02	09/18/09 09:38

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

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	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Dissolved Metals by EPA Method 6010B												
9092519-MSD1												
Arsenic	ND	0.0490		mg/L	0.0500	98%	75 - 125	2	20	9092519	NSI1245-01	09/18/09 16:57
Barium	0.0761	2.18		mg/L	2.00	105%	75 - 125	0.7	20	9092519	NSI1245-01	09/18/09 16:57
Cadmium	ND	0.0495		mg/L	0.0500	99%	75 - 125	2	20	9092519	NSI1245-01	09/18/09 16:57
Chromium	ND	0.200		mg/L	0.200	100%	75 - 125	1	20	9092519	NSI1245-01	09/18/09 16:57
Lead	ND	0.0514		mg/L	0.0500	103%	75 - 125	0.2	20	9092519	NSI1245-01	09/18/09 16:57
Selenium	ND	0.0516		mg/L	0.0500	103%	75 - 125	2	20	9092519	NSI1245-01	09/18/09 16:57
Silver	ND	0.0507		mg/L	0.0500	101%	75 - 125	1	20	9092519	NSI1245-01	09/18/09 16:57
Dissolved Mercury by EPA Methods 7470A/7471A												
9092450-MSD1												
Mercury	ND	0.00116		mg/L	0.00100	116%	75 - 125	0	20	9092450	NSI1214-01	09/18/09 12:55
Volatile Organic Compounds by EPA Method 8260B												
9092473-MSD1												
Benzene	ND	56.6		ug/L	50.0	113%	65 - 151	4	12	9092473	NSI1247-05	09/18/09 12:13
Ethylbenzene	ND	59.8		ug/L	50.0	120%	68 - 157	8	12	9092473	NSI1247-05	09/18/09 12:13
Methyl tert-Butyl Ether	0.470	60.5		ug/L	50.0	120%	56 - 152	3	32	9092473	NSI1247-05	09/18/09 12:13
Toluene	0.250	59.7		ug/L	50.0	119%	61 - 153	5	35	9092473	NSI1247-05	09/18/09 12:13
Xylenes, total	0.260	182		ug/L	150	121%	68 - 158	6	18	9092473	NSI1247-05	09/18/09 12:13
Surrogate: 1,2-Dichloroethane-d4		25.4		ug/L	25.0	102%	63 - 140			9092473	NSI1247-05	09/18/09 12:13
Surrogate: Dibromofluoromethane		25.3		ug/L	25.0	101%	73 - 131			9092473	NSI1247-05	09/18/09 12:13
Surrogate: Toluene-d8		26.9		ug/L	25.0	107%	80 - 120			9092473	NSI1247-05	09/18/09 12:13
Surrogate: 4-Bromofluorobenzene		26.9		ug/L	25.0	108%	79 - 125			9092473	NSI1247-05	09/18/09 12:13
9092861-MSD1												
Benzene	9000	15200		ug/L	5000	123%	65 - 151	7	12	9092861	NSI1247-06RE1	09/19/09 06:46
Ethylbenzene	1730	8010		ug/L	5000	126%	68 - 157	6	12	9092861	NSI1247-06RE1	09/19/09 06:46
Methyl tert-Butyl Ether	154	5940		ug/L	5000	116%	56 - 152	5	32	9092861	NSI1247-06RE1	09/19/09 06:46
Toluene	23200	28200		ug/L	5000	100%	61 - 153	6	35	9092861	NSI1247-06RE1	09/19/09 06:46
Xylenes, total	7900	28100		ug/L	15000	134%	68 - 158	6	18	9092861	NSI1247-06RE1	09/19/09 06:46
Surrogate: 1,2-Dichloroethane-d4		24.9		ug/L	25.0	100%	63 - 140			9092861	NSI1247-06RE1	09/19/09 06:46
Surrogate: Dibromofluoromethane		25.6		ug/L	25.0	102%	73 - 131			9092861	NSI1247-06RE1	09/19/09 06:46
Surrogate: Toluene-d8		26.8		ug/L	25.0	107%	80 - 120			9092861	NSI1247-06RE1	09/19/09 06:46
Surrogate: 4-Bromofluorobenzene		25.9		ug/L	25.0	103%	79 - 125			9092861	NSI1247-06RE1	09/19/09 06:46
Purgeable Petroleum Hydrocarbons												

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

PROJECT QUALITY CONTROL DATA

Matrix Spike Dup - Cont.

Analyte	Orig. Val.	Duplicate	Q	Units	Spike Conc	% Rec.	Target Range	RPD	Limit	Batch	Sample Duplicated	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons												
9092495-MSD1												
GRO as Gasoline	ND	1000		ug/L	1000	100%	26 - 187	2	35	9092495	NS11229-02	09/18/09 10:10
Surrogate: a,a,a-Trifluorotoluene		41.5		ug/L	30.0	138%	46 - 150			9092495	NS11229-02	09/18/09 10:10

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Maryland
SW846 6010B	Water	N/A	X	N/A
SW846 7470A	Water	N/A	X	
SW846 8015B	Water	N/A	X	N/A
SW846 8260B	Water	N/A	X	N/A

2960 Foster Creighton Road Nashville, TN 37204 * 800-765-0980 * Fax 615-726-3404

Client	CDM Camp Dresser & McKee (Divestment)	Work Order:	NSI1247
	50 Hampshire Street	Project Name:	Exxon 27235
	Cambridge, MA 02139	Project Number:	27235 - Annapolis, MD
Attn	Debra Beck	Received:	09/16/09 08:15

DATA QUALIFIERS AND DEFINITIONS

MNR1	There was no MS/MSD analyzed with this batch due to insufficient sample volume. See Blank Spike.
P7	Sample filtered in lab.
ZX	Due to sample matrix effects, the surrogate recovery was outside the acceptance limits.
ND	Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

NSI1247
09/23/09 23:59

ExxonMobil

Page 1 of 1

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print) Michael Hammond
SamplerSignature:

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: - XOM-Annapolis - 27235
Facility ID: [none]
Site Address: 1000 Forest Rd
City,State,Zip: Annapolis Maryland
Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Trip Blank (specify) Other	Analyze for: 8260B BTEX/MTBE	8270C Polyaromatic Hydrocarbons	RCRA Metals Dissolved 6010	TPH - Diesel Range SW846 8015B	TPH - Diesel Range/Oil Range SW8	TPH-Gasoline Range SW8015									RUSH TAT (Pre Schedule)*
Trip Blank		+	4						X											X	X														
MW-6 (9-14-09)		1115	8	X					X						X						X			X		X					NSI1247-01			
MW-2 (9-14-09)		1210	8	X					X						X						X			X		X						02		
MW-6 (9-14-09)		1320	9	X					X					X	X						X			X		X						03		
MW-1 (9-14-09)		1410	8	X					X						X						X		X	X		X						04		
MW-3 (9-14-09)		1515	8	X					X						X						X			X		X						05		
MW-4 (9-14-09)		1450	8	X					X						X						X			X		X						06		
															X						X			X		X						07		

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager Date:
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15782
(*) LAB MUST FILTER METALS. Not field filtered or preserved.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Michael Hammond	9-15-09	1429		9-15-09	1429		9-15-09	1740
Shipped Via:			Shipped Via:					
Received for TestAmerica by:	Date:	Time:	Temperature Upon Receipt:	Sample Containers Intact? Y N		QC Deliverables (Please Circle One): Level 2 Level 3 Level 4 Site Specific (If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)	Date Due of Report:	
	9-16-09	0815		VOCs Free of Headspace? Y N				

XOM Phase II - Sample Parameter Table

Site ID: Station 27235
Address: 1000 Forest Drive
City: Annapolis

I-1427

		GROUNDWATER SAMPLING						
		EPA 8260B		EPA 8015				
Monitoring Well ID:	Sample Depth	EPA 8260B (BTEX/MTBE Only)	EPA 8260B (Full Analyte List)	EPA 8015 (GRO)	EPA 8015 (DRO)	EPA 8015 (Oil Range Organics (ORO))	RCRA Metals	EPA 8270 (PAHs)
MW-1 05	Highest PID or at water table	X	X	X	X	X	X	X
MW-2 03	Highest PID or at water table	X	X	X	X	X	X	X
MW-3 06	Highest PID or at water table	X	X	X	X	X	X	X
MW-4 07	Highest PID or at water table	X		X	X	X	X	X
MW-5 ~~01~~ 02	Highest PID or at water table	X		X	ADD			
MW-6 04	Highest PID or at water table	X	X	X	X	X	X	X

Former UST system, location unknown.
MW-6 installed to evaluate car wash.

Lage, Gail

From: Beck, Debra [BeckDF@cdm com]
Sent: Tuesday, September 22, 2009 1:49 PM
To: Costello, R Dean; Lage, Gail; Maksoudian, Toros; Kenney, Eric
Subject: RE: water samples for site Annapolis 27235 - NSI1247

9/14/09

Debra F. Beck, P.E.
CDM
One Cambridge Place
50 Hampshire Street
Cambridge, MA 02139
phone and fax: 617-452-6277

From: Costello, R Dean
Sent: Tuesday, September 22, 2009 2:45 PM
To: Lage, Gail; Beck, Debra; Maksoudian, Toros; Kenney, Eric
Subject: RE: water samples for site Annapolis 27235 - NSI1247

Annapolis 27235
-
Dean C.

From: Lage, Gail [mailto:Gail.Lage@testamericainc.com]
Sent: Tuesday, September 22, 2009 1:53 PM
To: Beck, Debra; Maksoudian, Toros; Costello, R Dean; Kenney, Eric
Subject: water samples for site Annapolis 27235 - NSI1247

I realized that this chain does not have the data sample filled out. Can you please confirm what date these samples were collected?

Thanks

Gail A. Lage
Program Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive
Nashville, TN 37204
Tel 615.301.5741 / Fax 615 726.3404
www.testamericainc.com

Please let us know if we met your expectations by rating the service you received from TestAmerica on this project by visiting our website at: Project Feedback

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Please consider the environment before printing this e-mail.

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Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 09/16/2009 @ 0815

1. Tracking # 5367 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 3.3 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) ...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES...(NO)..NA not intact

6. Were custody papers inside cooler? YES...(NO)...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES...NO...(NA)

Were these signed and dated correctly? YES...NO...(NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES)...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES)...NO...NA

12. Did all container labels and tags agree with custody papers? (YES)...NO...NA

13a. Were VOA vials received? (YES)...NO...NA

b. Was there any observable headspace present in any VOA vial? YES...(NO)...NA

14. Was there a Trip Blank in this cooler? (YES)...NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) (w)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES...NO...(NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES)...NO...NA

16. Was residual chlorine present? YES...(NO)...(NA) 09/16/09

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) (w)

17. Were custody papers properly filled out (ink, signed, etc)? (YES)...NO...NA

18. Did you sign the custody papers in the appropriate place? (YES)...NO...NA

19. Were correct containers used for the analysis requested? (YES)...NO...NA

20. Was sufficient amount of sample sent in each container? (YES)...NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) (w)

I certify that I attached a label with the unique LIMS number to each container (intial) (w)

21. Were there Non-Conformance issues at login? YES...(NO) Was a PIPE generated? YES...(NO)...#_____

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEI

NSI1247

Cooler Received/Opened On: 9/16/2009 @ 8:15

1. Tracking # 8487 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened: 4.6 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO (NA)

4. Were custody seals on outside of cooler? (YES) NO NA

If yes, how many and where: 1 F-ont

5. Were the seals intact, signed, and dated correctly? (YES) NO NA

6. Were custody papers inside cooler? YES (NO) NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES (NO) and Intact YES NO (NA)

Were these signed and dated correctly? YES NO (NA)

8. Packing mat'l used? (Bubblewrap) Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: (Ice) Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? (YES) NO NA

11. Were all container labels complete (#, date, signed, pres., etc)? (YES) NO NA

12. Did all container labels and tags agree with custody papers? (YES) NO NA

13a. Were VOA vials received? (YES) NO NA

b. Was there any observable headspace present in any VOA vial? YES (NO) NA

14. Was there a Trip Blank in this cooler? (YES) NO NA If multiple coolers, sequence # _____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____ (W)

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES NO (NA)

b. Did the bottle labels indicate that the correct preservatives were used (YES) NO NA

16. Was residual chlorine present? @ 16:05 YES NO (NA)

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____ (W)

17. Were custody papers properly filled out (ink, signed, etc)? (YES) NO NA

18. Did you sign the custody papers in the appropriate place? (YES) NO NA

19. Were correct containers used for the analysis requested? (YES) NO NA

20. Was sufficient amount of sample sent in each container? (YES) NO NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____ (W)

I certify that I attached a label with the unique LIMS number to each container (intial) _____ (W)

21. Were there Non-Conformance issues at login? YES (NO) Was a PIPE generated? YES (NO) # _____

BIS = Broken in shipment
Cooler Receipt Form doc

LF-1
End of Form

Revised 6/24/09

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville, TN

COOLER RECEI

NSI1247

Cooler Received/Opened On: 9/16/2009 @ 8:15

1. Tracking # 8487 (last 4 digits, FedEx)

Courier: Fed-ex IR Gun ID: 95610068

2. Temperature of rep. sample or temp blank when opened: 4.3 Degrees Celsius

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES..NO..NA

4. Were custody seals on outside of cooler? YES..NO...NA

If yes, how many and where: 1 F-on T

5. Were the seals intact, signed, and dated correctly? YES..NO...NA

6. Were custody papers inside cooler? YES..NO..NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES..NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) MW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO..NA 09.16.09

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) MW

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) MW

I certify that I attached a label with the unique LIMS number to each container (intial) MW

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO..#_____

BIS = Broken in shipment

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Nashville Division
2960 Foster Creighton Drive * Nashville TN 37204
Phone: (800) 765-0980 / (615) 726-0177 Fax:(615) 726-3404

09/23/09 23:59

EXXONMOBIL

Consultant: CDM Camp Dresser & McKee (Divestment)
Address: 50 Hampshire Street
City, State, Zip: Cambridge MA 02139
ExxonMobil Project Mgr: Debra Beck
Consultant Project Mgr: Debra Beck
Consultant Telephone #r: (617) 452-6000 Fax: 6174528000
Sampler Name (Print) Michael Hammond
SamplerSignature: Michael Hammond

TA Account #: 1409738 PO #:
Invoice to: CDM Camp Dresser & McKee (Divestment)
Report to: Debra Beck
Project Name: - XOM-Annapolis - 27235
Facility ID: [none]
Site Address: 1000 Forest Rd
City,State,Zip: Annapolis Maryland
Regulatory District (CA):

Sample ID	Date Sampled	Time Sampled	# Containers Shipped	Grab	Composite	Field Filtered	Preservative: Methanol	Sodium Bisulfate	(Blue Label) HCL	(Orange Label) NaOH	(Yellow Label) Plastic H2SO4	(Yellow Label) Glass H2SO4	(Red Label) HNO3	(Black Label) None	Matrix: Groundwater	Wastewater	Drinking Water	Sludge	Soil	Trip Blank (specify) Other	Analyze for: 8260B BTEX/MTBE	8270C Polyaromatic Hydrocarbons	RCRA Metals Dissolved 6010	TPH - Diesel Range SW846 8015B	TPH - Diesel Range/Oil Range SW8	TPH-Gasoline Range SW8015									RUSH TAT (Pre Schedule)*
Trip Blank		+	4						X											X	X									NSi12477-01				
MW-6 (9-14-09)		1115	8	X					X						X						X			X		X					02			
MW-2 (9-14-09)		1210	8	X					X						X						X			X		X					03			
MW-6 (9-14-09)		1320	9	X					X					X	X						X		X	X		X					04			
MW-1 (9-14-09)		1410	8	X					X						X						X			X		X					05			
MW-3 (9-14-09)		1515	8	X					X						X						X			X		X					06			
MW-4 (9-14-09)		1460	8	X					X						X						X			X		X					07			

COMMENTS: All turn around times are calculated from the time of receipt at TestAmerica.
* It will be the responsibility of Exxon Mobil or its consultant to notify the TestAmerica Project Manager by phone or fax that a rush sample will be submitted. TA Project manager _____ Date: _____
There may be a charge assessed for TestAmerica disposing of sample remainders.

NOTES/SPECIAL INSTRUCTIONS: BO # 15782
(*) LAB MUST FILTER METALS. Not field filtered or preserved.

Relinquished by:	Date:	Time:	Received by:	Date:	Time:	Relinquished by:	Date:	Time:
Michael Hammond	9-15-09	1429		9-15-09	1929		9-15-09	1740

Shipped Via:	Shipped Via:	QC Deliverables (Please Circle One):	Date Due of Report:
		Level 2 Level 3 Level 4 Site Specific	
Received for TestAmerica by:	Temperature Upon Receipt:	Sample Containers Intact? Y N	(If site specific, please pre-schedule w/ TestAmerica Project Manager or attach specific instructions)
Date: 9-16-09 Time: 0015		VOCs Free of Headspace? Y N	

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING
Nashville, TN

COOLER RECEIPT FORM

Cooler Received/Opened On 09/16/2009 @ 0815

1. Tracking # 5367 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID Raynger

2. Temperature of rep. sample or temp blank when opened: 3.3 *Degrees Celsius*

3. If Item #2 temperature is 0°C or less, was the representative sample or temp blank frozen? YES NO..NA

4. Were custody seals on outside of cooler? YES...NO...NA

If yes, how many and where: 1 front

5. Were the seals intact, signed, and dated correctly? YES..NO..NA not intact

6. Were custody papers inside cooler? YES...NO...NA

I certify that I opened the cooler and answered questions 1-6 (intial) _____

7. Were custody seals on containers: YES NO and Intact YES...NO...NA

Were these signed and dated correctly? YES...NO...NA

8. Packing mat'l used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

9. Cooling process: Ice Ice-pack Ice (direct contact) Dry ice Other None

10. Did all containers arrive in good condition (unbroken)? YES...NO...NA

11. Were all container labels complete (#, date, signed, pres., etc)? YES..NO...NA

12. Did all container labels and tags agree with custody papers? YES..NO...NA

13a. Were VOA vials received? YES..NO...NA

b. Was there any observable headspace present in any VOA vial? YES..NO..NA

14. Was there a Trip Blank in this cooler? YES..NO...NA If multiple coolers, sequence #_____

I certify that I unloaded the cooler and answered questions 7-14 (intial) _____ MW

15a. On pres'd bottles, did pH test strips suggest preservation reached the correct pH level? YES..NO..NA

b. Did the bottle labels indicate that the correct preservatives were used YES..NO...NA

16. Was residual chlorine present? YES..NO..NA MW 9-16-09

I certify that I checked for chlorine and pH as per SOP and answered questions 15-16 (intial) _____ MW

17. Were custody papers properly filled out (ink, signed, etc)? YES..NO...NA

18. Did you sign the custody papers in the appropriate place? YES..NO...NA

19. Were correct containers used for the analysis requested? YES..NO...NA

20. Was sufficient amount of sample sent in each container? YES..NO...NA

I certify that I entered this project into LIMS and answered questions 17-20 (intial) _____ MW

I certify that I attached a label with the unique LIMS number to each container (intial) _____ MW

21. Were there Non-Conformance issues at login? YES..NO Was a PIPE generated? YES..NO...# _____

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 • 410-537-3092 (fax) 1-800-633-6101

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Shari T. Wilson
Secretary

Robert M. Summers, Ph.D.
Deputy Secretary

November 6, 2009

Ms. Melissa W. Tacchino
ExxonMobil Environmental Services
3225 Gallows Road, RM #8B0604
Fairfax VA 22037

RE: Maryland Phase II Environmental Assessments - Received October 26, 2009
ExxonMobil Sites

Dear Ms. Tacchino:

This letter is written under the authority of Code of Maryland Regulations (COMAR) 26.10.01.05. Per your request, the Oil Control Program (OCP) recently completed a review of the *Phase II Environmental Assessment Reports* received by the Department on October 26, 2009. The reports and actions within were performed by CDM and involved 28 sites owned by ExxonMobil.

Three sites have levels of petroleum contamination that may warrant further investigation and will be evaluated on an individual basis. The sites have been assigned to an OCP case manager.

ExxonMobil ID	Address	City	Contractor
2-7429	402 South Camp Meade Road	Linthicum Heights	CDM
2-8165	7201 Eden Brook Drive	Columbia	CDM
MDE opened Case 2010-017-HO on the above site based on reported product discovery.			
2-7235	1000 Forest Drive	Annapolis	CDM

Based on our review, the Oil Control Program does not require further action on the 25 below listed sites:

ExxonMobil ID	Address	City	Contractor
2-0472	7671 Arundel Mills Blvd.	Hanover	CDM
2-6725	21101 Frederick Road	Germantown	CDM
2-2526	1501 Ritchie Highway	Arnold	CDM
2-0443	8251 Snowden River Parkway	Columbia	CDM
2-2830	18000 Georgia Avenue	Olney	CDM
2-0303	111 Mitchells Chance Road	Edgewater	CDM
2-0356	120 Chester Station Road	Chester	CDM
2-7176	8001 Crain Highway	Glen Burnie	CDM
2-5059	11310 Georgia Avenue	Wheaton	CDM
2-7475	17651 Redland Road	Derwood	CDM
2-0468	7043 Arundel Mills Circle	Hanover	CDM
2-7053	1561 Opossumtown Pike	Frederick	CDM
2-0427	8556 Veterans Highways	Millersville	CDM
2-5613	723 Nursery Road	Linthicum	CDM
2-6583	5516 Buckeystown Pike	Frederick	CDM
2-8379	1276 Route 3 South	Crofton	CDM
2-8245	11433 Rockville Pike	Rockville	CDM
2-8262	12918 Middlebrook Road	Germantown	CDM
2-2800	700 Rockville Pike	Rockville	CDM
2-6174	9629 Myersville Road	Myersville	CDM
2-8808	408 N. Frederick Ave	Gaithersburg	CDM
2-8353	805 Reece Road	Severn	CDM
2-6266	2101 West Street	Annapolis	CDM
2-5057	518 Ritchie Highway	Severna Park	CDM
2-4074	8101 Ritchie Highway	Pasadena	CDM

For the 25 "no further action" sites, the levels of contamination as reported in the Phase II assessments do not warrant further investigation or corrective action. Please be advised that this letter only addresses the petroleum related compounds as reported. The residual petroleum contamination present on-site in the soil and groundwater does not present an apparent risk for the current exposure pathways. Excavation in the area of investigation may create exposure pathways if impacted soil is encountered and must be handled in a manner that complies with State and local regulatory programs.

Please be advised that Maryland law, specifically COMAR 26.10.01.05G and Environment Article, Section 4-401, Annotated Code of Maryland states: "A purchaser of oil-contaminated property does not become a person responsible for a discharge solely as a result of the purchase of the property unless the purchaser is otherwise a person responsible for a discharge under Environment Article, Section 4-401(i)." A prospective purchaser would not be considered a responsible party for petroleum issues attributed to previous activities that occurred on the property.

For the 25 sites not assigned to a case manager, the Oil Control Program will retain the *Phase II Environmental Assessment Reports* for 60 days from the date of this letter. If you have further questions, please contact me at 410-537-3385 (email: hmeade@mde.state.md.us).

Sincerely,

Herbert M. Meade, Administrator
Oil Control Program

HMM/nln

cc: Ms. Meagan Gabe
Mr. Christopher H. Ralston
Mr. Horacio Tablada

MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 410-537-3092 (fax) 1-800-633-6101, ext. 3442

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Acting Secretary

January 26, 2010

Ms. Jewel Cox
ExxonMobil Environmental Services
Suite 106, #232
1016 West Poplar Avenue
Collierville TN 38017

RE: WORK PLAN APPROVAL
Case No. 2011-0065-AA
Exxon R/S No. 27235
1000 Forest Drive, Annapolis
Anne Arundel County, Maryland
Facility I.D. No. 3571

Dear Ms. Cox:

The Oil Control Program (OCP) recently completed a review of the case file for the above-referenced property, including the *Work Plan for Additional Assessment - November 17, 2010*. The *Work Plan* proposes to conduct a membrane interface probe (MIP) investigation to determine the vertical and horizontal extent of petroleum impacts. Approximately 12 MIP points will be advanced in the area of monitoring wells MW-2 and MW-3. The MIP event will be followed by a direct push event to collect confirmatory soil and groundwater samples. In December 2010, approximately 0.02 foot of liquid phase hydrocarbons (LPH) was detected in MW-3. The Department hereby approves the *Work Plan* contingent upon the following modifications:

1) The MIP investigation must consider historical as well as current potential sources of the petroleum contamination. The MIP probe must be advanced through the shallow and deep water bearing zones for each boring if refusal is not met.

2) Contact the OCP case manager to field mark the MIP points after utility mark out and prior to conducting the work.

3) Prior to conducting the direct push event, ExxonMobil must submit a *Work Plan* that includes the results of the MIP investigation, proposed boring locations, and proposed sampling depths of soil and groundwater.

4) All soil and groundwater generated during site activities must be containerized for proper off-site disposal, in accordance with State and local regulations. All soil and groundwater waste manifests or disposal receipts must be submitted to the Oil Control Program with the *Report of Results*.

5) The Oil Control Program anticipates receiving the *Report of Results* for the MIP/direct push subsurface assessment **no later than April 15, 2011**.

6) Tank field monitoring pipes are not being gauged or sampled, as required in the Department's directive letter dated September 10, 2010. Tank field monitoring pipes must be gauged on a monthly basis and sampled on a quarterly basis.

7) Include well screen intervals in the gauging and monitoring data tables for future reports.

8) Notify the OCP case manager five days prior to conducting any work at this site.

9) When submitting documentation to the Oil Control Program, include three (3) hard copies and a digital copy on a labeled compact disc (CD).

If you have any questions, please contact the case manager, Mr. Michael Edillon, at 410-537-4151 (email: medillon@mde.state.md.us) or me at 410-537-3482 (email: ejackson@mde.state.md.us).

Sincerely,

Ellen Jackson, Central Region Section Head
Remediation and State-Lead Division
Oil Control Program

MGE/nln

cc: Mr. Raymond Montero (Kleinfelder)
Mr. Marshal Hare (Southside Oil Co.)
Ms. Kerry Topovski (Anne Arundel County Health Dept.)
Ms. Ginger D. Klingelhoefer-Ellis (Anne Arundel County DPW)
Mr. Christopher H. Ralston
Mr. Horacio Tablada

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FEDEX: 797456572443

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AUG 29 2011
OIL CONTROL PROGRAM

August 26, 2011

Mr. Michael Edillon
Oil Control Program
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

RE: Site Investigation Report
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Anne Arundel County, Maryland
MDE Case No. 2011-0655-AA

Dear Mr. Edillon:

Please find attached the Site Investigation Report for the above referenced site.

Southside and Kleinfelder appreciate the continued guidance of the MDE in the successful completion of this project. Please contact the undersigned if you have questions regarding the information contained herein.

Sincerely yours,
Kleinfelder East, Inc.

Ryan M. Reeves
Engineer

Brian Barone
Project Manager

Enclosure

cc: Mr. Marshall Hare – Southside Oil, LLC (File)
Mr. Naushad Ali Akhund

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SITE INVESTIGATION REPORT

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland 21401
MDE Case # 2011-0065-AA

August 26, 2011

Prepared By:
Kleinfelder East, Inc.
1340 Charwood Road, Suite I
Hanover, MD 21076

Prepared For:
Southside Oil, LLC
1011 Boulder Springs Drive
Richmond, VA 23225

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ONLY THE CLIENT OR ITS DESIGNATED REPRESENTATIVES MAY USE THIS DOCUMENT AND ONLY FOR THE SPECIFIC PROJECT FOR WHICH THIS REPORT WAS PREPARED.

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SITE INVESTIGATION REPORT

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland 21401
MDE Case # 2011-0065-AA

QUALITY ASSURANCE/QUALITY CONTROL

The following personnel have reviewed this report for accuracy, content and quality of presentation:

Ryan M. Reeves
Engineer

8/26/11
Date

Brian Barone
Project Manager

8/26/11
Date

Mark C. Steele
Senior Project Manager

8/26/11
Date

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1.0 INTRODUCTION

Kleinfelder East, Inc. (Kleinfelder) has been retained by Southside Oil, LLC. (Southside) to conduct assessment activities associated with the former Southside facility (Site) located at 1000 Forest Drive in Annapolis, Maryland. The Site is listed as an open leaking underground storage tank (LUST) site with the Maryland Department of the Environment – Oil Control Program (MDE - OCP) under Case Number 2011-0065-AA. On June 21, 2010, the ownership of the Site was transferred from Exxon Mobil Corporation (ExxonMobil) to Southside. On September 22, 2010, Southside sold the Site, including ownership and operation of the UST system, to the station dealer, Mr. Naushad Ali Akhund. There are six groundwater monitoring wells (MW-1 through MW-6) at the Site. Liquid phase hydrocarbon (LPH) has been detected in monitoring well MW-3 at a thickness of 0.02 feet in December 2010 and January 2011. The goal of this phase of the investigation, as defined in the April 12, 2011 *Work Plan for Direct Push Assessment* and approved by the MDE - OCP in the May 4, 2011 *Approval of Work Plan for Monitoring Well Installation* correspondence (**Appendix A**), was to complete a direct push investigation using a membrane interface probe (MIP) in 12 locations, advance seven confirmation soil borings, install temporary wells in six of the seven soil borings, and submit soil and groundwater samples for laboratory analysis. The laboratory analytical results have been used to determine the extent of adsorbed, liquid, and dissolved phase hydrocarbons at the Site and will be used in project planning to determine future assessment and/or remediation activities.

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2.0 SITE OVERVIEW

The following sections present a summary of the area of investigation and history of the Site.

2.1 Site Description

The Site is an active branded Exxon retail service station with a convenience store and automated carwash located at the western corner of the intersection of Forest Drive and Hillsmere Drive at 1000 Forest Drive, Annapolis, Maryland (**Figure 1**). Based on available records, a retail service station has operated at the Site since approximately 1972. The current underground storage tank (UST) system was installed in January 1992 and consists of three 12,000-gallon double-walled fiberglass gasoline USTs, six dispensers and associated double-walled flexible product lines. Two tank field wells are located in the northwest and southeast corners of the tank field and six groundwater monitoring wells are located at the Site. The Site features are presented on **Figure 2.**

2.2 Area Description

The Site is located in an area containing commercial businesses and residential properties. A local area map is provided as **Figure 3** and is summarized below:

North: The Site is bordered to the north by Forest Drive and a Texaco service station and commercial businesses.

South: The Site is bordered to the south by a shopping center with food stores and a dry cleaner. Wooded and residential properties are located beyond the shopping center along Hillsmere Drive.

East: The Site is bordered to the east by Hillsmere Drive, a parking lot and a BB&T Bank.

West: The Site is bordered to the west by an undeveloped wooden area followed by a residential community which is located approximately 300 feet from the Site.

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2.3 Potential Receptors

The following sections summarize the identification and description of potential receptors in the vicinity of the Site.

2.3.1 Surface Water Receptors and Wetlands

Based on the United States Geological Survey (USGS) topographic map for the Site area (Annapolis, Maryland), the nearest surface body of water is an unnamed stream that discharges into Back Creek located approximately 2,000 feet north of the Site (**Figure 1**).

A search of the National Wetlands Inventory (NWI) online database indicates that there are 15 wetlands located within 1 mile of the Site. The wetlands in the area are identified as freshwater forested/shrub wetlands, freshwater emergent wetlands, estuarine and marine wetlands, estuarine and marine deep water wetlands, and freshwater ponds. The nearest downgradient wetland is an estuarine and marine wetland located 0.5 miles northeast of the Site.

2.3.2 Well Survey

A well survey was completed to determine groundwater use in the area and to determine if groundwater receptors exist near the Site. A detailed well survey report was submitted to the MDE on January 31, 2011. The survey consisted of an MDE database search for permitted wells in the area and a visual survey of neighboring properties and land uses. Neighboring property owners and residents were not contacted. Based on the survey conducted, there are 19 private potable wells located within a 1,000 foot radius of the Site. The 19 identified private wells were located to the south and west of the Site. A local area map depicting the locations of the identified wells is included at **Figure 3**.

2.3.3 Subsurface Structures

The on-site building and automated carwash are slab-on-grade construction. Below grade utilities at or adjacent to the Site include storm and sanitary sewer, water, electric, and telephone services. These utilities were identified at shallow depths of less than 7 feet below grade. The utilities are depicted on **Figure 4**. The closest basement to the Site is located approximately 365 feet northeast.

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2.3.4 Other Potential Receptors

Mt. Moriah AME Church is located approximately 970 feet northwest of the Site. The Anne Arundel County Public Library is located 780 feet south of the Site. Georgetown East Elementary School is located approximately 1,700 feet to the northeast, and the Spa Creek Rehab Center is located approximately 4,800 feet northwest of the Site.

2.4 Previous Site Activities

Based on a review of available files, the following is a chronology of events associated with the Site:

- In November 1992, five USTs and associated product lines were removed as part of a redevelopment of the Site by Exxon Corporation. The tanks removed consisted of one 1,000-gallon fiberglass heating oil UST, one 1,000-gallon fiberglass used oil UST, one 1,000-gallon fiberglass UST of unknown contents, two 8,000-gallon steel gasoline USTs and one 6,000-gallon steel gasoline UST. The heating oil, used oil and gasoline tanks were reportedly installed in 1972. During the excavation of the USTs, petroleum impacted soils were encountered and the MDE assigned Case No. 92-1414-AA2.

- From March through August 1993, five monitoring wells (MW-1 through MW-5) were installed to depths ranging from 60 to 64 feet below grade to investigate the groundwater quality in proximity to the former gasoline USTs removed in November 1992.

- From 1995 to mid-1998, a soil vapor extraction and air sparge (SVE/AS) system operated at the Site. The reported total hydrocarbon mass removed by the SVE system was approximately 6,205 gallons.

- On October 6, 1999, the MDE closed Case #92-1414-AA2 and the wells were abandoned.

- From July 23 through August 21, 2009, as part of a property transaction, six monitoring wells (MW-1 through MW-6) were installed at the Site as part of the Phase II Environmental Site Assessment (ESA). The boring logs and well construction diagrams for these wells are included in **Appendix B**. The gauging and groundwater analytical data for these wells are presented in **Tables 1** and **2**.

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- In October 2009, a Phase II ESA Report was submitted to the MDE.

- On June 21, 2010, the ownership of the Site was transferred from ExxonMobil to Southside.

- On September 10, 2010, the MDE assigned Case No. 2011-0065-AA to the Site and requested a work plan be submitted to further assess the impacts in the area of MW-2 and MW-3, begin monthly gauging and quarterly sampling of the monitoring wells, and to complete a well survey (**Appendix A**).

- On November 12, 2010, Kleinfelder, on behalf of Southside, submitted the *Work Plan for Additional Assessment* to the MDE. The Work Plan proposed the advancement of membrane interface probe (MIP) borings, the advancement of confirmation soil borings, the installation of temporary monitoring wells for groundwater analysis, and the submission of a Site Investigation Report.

- On September 22, 2010, Southside sold the Site, including ownership and operation of the UST system, to the station dealer, Mr. Naushad Ali Akhund.

- On January 26, 2011, the *Work Plan for Additional Assessment* was approved by the MDE requesting an additional *Work Plan* be submitted prior to the advancement of confirmation borings which would document the results of the MIP investigation and propose confirmation soil boring locations based on the MIP results (**Appendix A**).

- On January 31, 2011, the *Well Survey Report* was submitted to the MDE documenting the results of a survey of potable well information within a 0.5 mile radius of the site.

- From March 14 to 17, 2011, the MIP survey was completed and on April 12, 2011, the *Work Plan for Direct Push Assessment* was submitted to the MDE documenting the results of the MIP investigation and proposing confirmation boring locations.

- On May 4, 2011, the MDE approved the *Work Plan for Direct Push Assessment* (**Appendix A**).

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3.0 GEOLOGY AND HYDROGEOLOGY

The Site is located on the USGS Annapolis, Maryland topographic quadrangle map at 38 degrees 57 minutes, 0 seconds North latitude and 76 degrees, 29 minutes, 36 seconds West longitude at an approximate elevation of 70 feet above mean sea level (AMSL) in Annapolis, Maryland. A topographic map of the area surrounding the Site is included as **Figure 1**.

According to the Maryland Geologic Survey, the Site lies in the Western Shore Upland Region of the Coastal Plain Province. The Site is underlain by the Aquia Formation which consists of glauconitic sands, clean to moderately clayey and calcareous sandstone. The sand is described as medium sand dominant with fine or coarse grained zones.

The Site is generally underlain by clay and clayey fine to medium sand which is underlain by an apparently discontinuous green clay/sandy clay layer at depths from 12 to 24 feet below grade. A shallow water-bearing zone has been identified above this clay/sandy clay layer in monitoring wells MW-3 through MW-6. Underlying this clay/sandy clay layer is approximately 30 feet of medium sand with varying amounts of clay to approximately 50 feet below grade. Brown, silty, medium to coarse sand was encountered at depths below 50 feet. A deep water-bearing zone has been identified in this medium sand with static groundwater levels ranging from 47 to 52 feet below grade. A complete description of the materials encountered during drilling activities is included on the soil boring logs in **Appendix B**. Generalized geologic cross-sections were constructed with the locations shown on **Figure 5**. Cross-sections A-A' and B-B' are included as **Figures 6** and **7**.

The static depths to groundwater in the shallow on-site monitoring wells (MW-3 through MW-6) range from approximately 7.69 feet to 15.41 feet below top of casing (TOC), while the static depths to groundwater in the deep on-site monitoring wells (MW-1 and MW-2) range from approximately 47.46 feet to 51.67 feet below TOC (**Table 1**). A review of the April 22, 2011 hydrocarbon distribution / groundwater contour map indicates that the apparent groundwater flow direction is toward the east / northeast under a hydraulic gradient of 0.063 feet/foot (ft/ft) between monitoring wells MW-5 and MW-3 (**Figure 8**). A review of **Table 3** indicates that groundwater was not encountered in temporary wells TW-1 and TW-2 indicating that the shallow water-bearing zone does not exist on the eastern portion of the Site.

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4.0 SUBSURFACE INVESTIGATION

The following section presents a summary of the activities completed during this investigation. The purpose of this investigation was to delineate the vertical and horizontal extent of adsorbed and dissolved phase hydrocarbons and to further characterize the on-site lithology.

4.1 Utility Locating

Prior to the subsurface investigation, a private utility markout utilizing ground penetrating radar (GPR) equipment was completed by Enviroprobe, with oversight from Kleinfelder, on February 17, 2011. The approximate locations of the utilities were marked on the ground in corresponding color-coded paint and documented by Kleinfelder personnel. A utility location map is attached as **Figure 4**.

4.2 Airknife/Vacuum Excavation

On March 14 through 16, 2011, SGS Environmental Services (SGS), with oversight from Kleinfelder, pre-cleared 12 soil boring locations to approximately 5 feet below grade using airknife/vacuum excavation and soil samples were collected at 2 foot intervals using a decontaminated hand auger. Upon confirming the absence of utilities, the holes were backfilled, compacted with a pneumatic tamper, and resurfaced.

4.3 Membrane Interface Probe Survey

On March 15 through 17, 2011, Green Services and Columbia Technologies, under the oversight of Kleinfelder, advanced 12 soil borings (MIP-1 through MIP-12) using the MIP tool in the locations shown on **Figure 2**. The MIP borings were advanced to refusal depths ranging from approximately 50 to 58 feet below grade. The Columbia Technologies SmartData MIP logs, which are presented on a collective scale, are included as **Appendix C**.

The MIP tool combines a flame ionization detector (FID), photoionization detector (PID), electron capture detector (ECD), and dipole electrical conductivity (EC) profiling tool. The system operates through use of a semi-permeable membrane located in the center of a heater block located on the side of the tool which is advanced into the subsurface.

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A nitrogen carrier gas is cycled through the system which carries volatile organic compounds (VOCs) volatilized by the heater block, which pass through the membrane, into the FID, PID, and ECD systems of the on-site MIP vehicle. The results are a real-time output of FID, PID, ECD, and EC results which can be used to guide additional investigation in the field. Plots of these measurements versus depth for each MIP boring are represented along with temperature and rate of penetration (ROP) on the logs presented the Columbia Technologies MIP Report included as **Appendix C**.

Following MIP advancement and retrieval each soil boring was backfilled with bentonite, hydrated, and completed with asphalt patch or topsoil to match the existing conditions.

4.4 Monitoring Well Gauging, Sampling and Analysis Procedures

On April 22, 2011, the monitoring wells were gauged with an oil-water interface probe to determine the water level and check for the presence of LPH. Depth to water was measured from the TOC and LPH was not detected. The measured depths are shown in **Table 1**.

Following groundwater gauging, field sampling personnel collected representative groundwater samples from the monitoring wells on-site. A minimum of 3 well volumes were purged from the monitoring wells prior to the collection of groundwater samples. Purging was accomplished using a decontaminated submersible pump with disposable polyethylene tubing. Sampling was accomplished using a disposable sampling bailer. Groundwater samples were placed in laboratory-provided containers, packed on ice in shipping containers, and submitted under proper chain-of-custody to Lancaster Laboratories of Lancaster Pennsylvania (Lancaster) for analysis of full list volatile organic compounds (VOCs) and fuel oxygenates using Environmental Protection Agency (EPA) Method 8260B and total petroleum hydrocarbons – gasoline range organics (TPH-GRO) and total petroleum hydrocarbons – diesel range organics (TPH-DRO) using EPA Method 8015B.

Equipment used for groundwater sampling consisted of new, disposable materials, or was properly decontaminated between sample locations. Sampling personnel exchanged nitrile sampling gloves between each sample location to minimize the potential for sample cross-contamination. Investigative derived waste (IDW) such as disposable polyethylene tubing and used nitrile gloves was properly handled as non-hazardous solid waste for disposal.

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Specific details related to the groundwater sampling activities at the Site are listed below:

Date Performed	April 22, 2011
Wells Gauged/Sampled	MW-1 through MW-6
Wells Gauged Only	TF-NW and TF-SE
Liquid Phase Hydrocarbon	None Detected
Minimum/Maximum Depth to Water	8.06 feet (MW-5) / 49.39 feet (MW-2)
Hydraulic Gradient	0.063 ft/ft
Apparent Groundwater Flow Direction	East / Northeast
Hydrocarbon Distribution/Groundwater Contour Map	**Figure 8**
Aqueous Analysis Conducted	Full list VOCs and fuel oxygenates via EPA Method 8260B TPH-GRO and TPH-DRO via EPA Method 8015B

A copy of the laboratory analysis report is attached as **Appendix D.**

On May 18th, June 3rd, July 6th, and August 10th, 2011, the monitoring wells were gauged with an oil-water interface probe to determine the water level and check for the presence of LPH. Depth to water was measured from the TOC and LPH was not detected. The groundwater gauging results indicate that the apparent groundwater flow direction is to the northeast. The groundwater gauging data is presented in **Table 1**.

4.5 Confirmation Soil Borings

On June 1, 2011, Odyssey Environmental Services, Inc (Odyssey), with oversight from Kleinfelder, pre-cleared seven soil boring locations to approximately five feet below grade using airknife/vacuum excavation and soil samples were collected at 2-foot intervals using a decontaminated hand auger. The boring locations were selected based on the results of the MIP investigation and approved by the MDE in the *Approval of Work Plan for Monitoring Well Installation* letter dated May 4, 2011 (**Appendix A**). Upon confirming the absence of utilities, the holes were backfilled, compacted with a pneumatic tamper, and resurfaced

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On June 2 through 3, 2011, Odyssey, under the oversight of Kleinfelder, advanced seven soil borings (SB-1 through SB-7) using a Geoprobe® direct push rig. The locations of the borings were selected based on the results of the MIP investigation and detailed in Kleinfelder's *Work Plan for Direct Push Assessment*, submitted on April 12, 2011. The boring locations are depicted on **Figure 2**. The borings were advanced to log the subsurface lithology and to collect soil and groundwater samples for laboratory analysis. Continuous soil samples were collected from grade to termination depths ranging from 20 to 28.5 feet below grade. The soil samples collected during drilling were field screened at 2-foot intervals for VOCs using a PID. The PID readings are depicted on the boring logs included as **Appendix B**.

Soil samples were collected from each soil boring with the exception of SB-7. Multiple soil samples were collected from soil borings SB-1, SB-3, SB-4, SB-5, and SB-6, and one sample was collected from soil boring SB-2 to further delineate the vertical and lateral extent of adsorbed phase hydrocarbons. The selected soil samples were submitted to Lancaster Laboratories for analysis of full list VOCs and fuel oxygenates using EPA Method 8260B and TPH-GRO and TPH-DRO using EPA Method 8015B. A copy of the laboratory analysis report is attached as **Appendix E**. A soil boring hydrocarbon distribution map is attached as **Figure 9**.

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4.6 Temporary Well Installation

On June 2 through 3, 2011, seven temporary wells were installed in soil boring locations SB-1 through SB-7. The temporary well installation activities are summarized below.

Date Performed	June 2 through 3, 2011
Temporary Well ID	TW-1, TW-2, TW-3, TW-4, TW-5, TW-6, and TW-7
Driller	Odyssey Environmental Services, Inc
Drilling Method Utilized	Geoprobe®
Completion Depths	TW-1: 22 feet below grade TW-2: 18 feet below grade TW-3: 20 feet below grade TW-4: 23 feet below grade TW-5: 20 feet below grade TW-6: 20 feet below grade TW-7: 20 feet below grade
Screened Interval (Monitoring Wells)	TW-1: 7 - 22 feet below grade TW-2: 3 - 18 feet below grade TW-3: 5 - 20 feet below grade TW-4: 8 - 23 feet below grade TW-5: 5 - 20 feet below grade TW-6: 5 - 20 feet below grade TW-7: 5 - 20 feet below grade
Material Utilized	1-inch diameter 0.020 machine-slotted schedule-40 PVC well screen with a flush threaded 1-inch diameter solid PVC casing
Annular Space	#2 sand to 1.5 to 2 feet above the well screen 1 to 5.5 foot bentonite seal

4.7 Temporary Well Sampling and Analysis Procedures

Prior to the collection of groundwater samples, the temporary wells were gauged with an oil-water interface probe to determine the water level and check for the presence of LPH, and LPH was not detected. Depth to water was measured from the TOC. The measured depths are shown in **Table 3**.

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On June 9, 2011, field sampling personnel collected representative groundwater samples from the temporary wells on-site. A minimum of three well volumes were purged from the temporary wells prior to the collection of groundwater samples. Purging and sampling was accomplished using a decontaminated peristaltic pump with disposable polyethylene and silicone tubing. Groundwater samples were placed in laboratory-provided containers, packed on ice in shipping containers, and submitted under proper chain-of-custody to the analytical laboratory.

Equipment used for groundwater sampling consisted of new, disposable materials, or was properly decontaminated between sample locations. Sampling personnel exchanged nitrile sampling gloves between each sample location to minimize the potential for sample cross-contamination. Investigative derived waste such as disposable polyethylene and silicone tubing and used nitrile gloves was properly handled as non-hazardous solid waste for disposal.

Specific details related to the groundwater sampling activities at the Site are listed below:

Date Performed	June 9, 2011
Wells Gauged/Sampled	TW-3 through TW-7
Wells Gauged Only	TW-1 and TW-2
Liquid Phase Hydrocarbon	None Detected
Minimum/Maximum Depth to Water	13.45 feet (TW-7) / 16.84 feet (TW-3)
Hydrocarbon Distribution Map	**Figure 10**
Aqueous Analysis Conducted	Full list VOCs and fuel oxygenates via EPA Method 8260B TPH-GRO and TPH-DRO via EPA Method 8015B

Groundwater samples were not collected from temporary wells TW-1 and TW-2 because they were dry. In temporary wells TW-3 and TW-5, TPH-DRO was not analyzed because there was insufficient water to fill the necessary bottleware needed for analysis. A copy of the laboratory analysis report is attached as **Appendix D**.

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On July 6, 2011, the temporary wells were gauged with an oil-water interface probe to determine the water level and check for the presence of LPH. Depth to water was measured from the TOC and LPH was not detected. The groundwater gauging data is summarized in **Table 3**.

On July 8, 2011, the temporary wells (TW-1 through TW-7) were abandoned by Odyssey using Portland cement / bentonite grout. Following abandonment, the temporary well locations were resurfaced to match surrounding surface conditions.

4.8 Waste Disposal

A total of six 55-gallon steel Department of Transportation (DOT) drums of soil cuttings were generated during subsurface investigation activities. The drill cuttings were transported for disposal at the Reco Biotechnologies of Richmond, Virginia facility. The non-hazardous waste manifest is included in **Appendix F**.

4.9 Quality Assurance and Quality Control Procedures

During fieldwork, quality assurance and quality control (QA/QC) procedures were followed to minimize the potential uncertainty involved in sample collection and shipment. To minimize the potential for cross-contamination between soil borings, decontamination measures using water and Alconox® were utilized on the multi-use equipment such as the macrocore sampling system and hand auger. Disposable equipment was used wherever possible such as acetate sleeves, sampling bailers, tubing, and nitrile gloves.

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5.0 ANALYTICAL RESULTS

The following sections present an interpretation of the MIP investigation and a summary of the soil and groundwater analytical data for the soil borings, temporary wells, and monitoring wells at the Site.

5.1 MIP Interpretation

The results of the MIP investigation at the Site are provided in the Columbia Technologies MIP Report (**Appendix C**). The locations of the MIP borings (MIP-1 through MIP-12) are shown on **Figure 2**. A review of the MIP Report indicates the following:

- The maximum PID response was detected in MIP location MIP-2 at and approximate depth of 12 feet below grade and the next highest PID detections were observed in MIP locations MIP-4, MIP-7, and MIP-10 at approximate depths of 18 feet below grade, 18 feet below grade, and 24 feet below grade; respectively.
- The maximum FID response was detected in MIP location MIP-10 at a depth of approximately 18 feet below grade.
- The EC data from the MIP logs indicated a consistent increase in EC beginning at depths of approximately 25 to 30 feet below grade which is indicative of the confining layer comprised of finer-grained sediments separating the shallow and deep water-bearing zones.
- The PID and FID responses combined with the EC data from the logs indicates that the hydrocarbon impact is located above a confining layer in the shallow water-bearing zone in the area of the former dispenser island and former tankfield in the eastern portion of the Site.

5.2 Soil Boring Sample Results

The analytical results for soil samples collected during the subsurface investigation are provided in **Table 4** and a copy of the laboratory analysis reports are attached as **Appendix E**. A soil boring hydrocarbon distribution map is attached as **Figure 9**.

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A review of **Table 4** indicates:

- Benzene was detected at the highest concentrations in the area around the former dispenser island on the eastern side of the Site with a maximum concentration of 140 milligrams per kilogram (mg/kg) in soil boring SB-5 at a depth of 18 to 20 feet below grade which corresponds with the maximum FID response in MIP location MIP-10.
- Concentrations of TPH-GRO and TPH-DRO were also the highest in the area around the former dispenser island with maximum concentrations of 13,000 mg/kg (SB-5) and 1,200 mg/kg (SB-6); respectively.
- Soil analytical data in the area of the former dispenser island indicates that contamination appears to be confined to depths ranging from 5 to 20 feet below grade which corresponds with the EC data and the observation of a confining layer at approximately 25 to 30 feet below grade.
- Benzene and TPH-GRO were also detected at elevated concentrations in the area southeast of the tankfield at a depth of 10 to 12 feet below grade in SB-1 which corresponds with the maximum PID response in MIP location MIP-2.
- Fuel oxygenates were not detected or were detected a low concentrations throughout the Site and are not considered to be an area of concern.

5.3 Groundwater Sample Results

The analytical results for the groundwater samples collected on April 22, 2011 are provided in **Table 2** and the laboratory analysis report is attached as **Appendix D**. A hydrocarbon distribution / groundwater contour map is attached as **Figure 8**. A review of **Table 2** indicates:

- Benzene, toluene, ethylbenzene, and total xylenes (BTEX) was only detected in monitoring well MW-3, located in the area of the former dispenser island on the eastern side of the Site, with a maximum benzene concentration of 20,000 micrograms per liter (µg/L).
- Concentrations of TPH-GRO and TPH-DRO were also the highest in MW-3 at concentrations of 15 milligrams per liter (mg/L) and 190 mg/L; respectively.
- Di-isopropyl ether (DIPE) as detected in the shallow and deep water bearing zones at 5,100 µg/L (MW-3) and 910 µg/L (MW-2); respectively.
- Fuel oxygenates (MTBE, TBA, TAME and ETBE) were not detected or were detected at concentrations less than 330 µg/L.

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5.4 Temporary Groundwater Sample Results

The analytical results for groundwater samples collected from the temporary wells during the subsurface investigation are provided in **Table 3** and a copy of the laboratory analysis reports are attached as **Appendix D**. A temporary well groundwater hydrocarbon distribution map is attached as **Figure 10**. A review of **Table 3** indicates:

- Benzene was detected at the highest concentrations in the area around the former dispenser island north central area of the Site with a maximum concentration of 9,300 µg/L in temporary well TW-5.
- Total BTEX concentrations were also the highest in the area around the former dispenser island as seen in the analytical results for temporary wells TW-3 through TW-6 which had concentrations ranging from 14,880 µg/L to 35,500 µg/L.
- The concentrations of TPH-GRO and TPH-DRO were the highest in the temporary wells within and to the east of the former dispenser island with maximum concentrations of 71 mg/L (TW-5) and 1.9 mg/L (TW-4); respectively.
- Tertiary butyl alcohol was detected at a concentration of 3,700 µg/L in temporary well TW-5 and at a concentration of 1,200 µg/L in temporary well TW-4.
- Di-isopropyl ether was detected at concentrations ranging from 92 µg/L (TW-7) to 11,000 µg/L (TW-5).
- Methyl tertiary butyl ether was not detected in the temporary well samples with the exception of TW-4 at a concentration of 82 µg/L.
- Tertiary amyl methyl ether and ethyl tertiary butyl ether were not detected above the laboratory detection limits.

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6.0 RISK EVALUATION

The Site has been an active retail service station since approximately 1972 and petroleum impacts were identified in 1992 during tank upgrade activities by Exxon. During the tank upgrade, approximately 2,500 tons of petroleum impacted soils were removed from the Site for off-site disposal. Site assessment activities were completed and identified groundwater at approximately 50 feet below grade and an SVE/AS system was operated at the Site and Exxon received closure in 1999. During voluntary Phase 2 ESA activities as part of the property transaction, monitoring wells were installed at the Site and identified a shallow water bearing zone (MW-3 through MW-6) and the previously known deep water bearing zone (MW-1 and MW-2). The dissolved phase hydrocarbons detected in the deep water bearing zone are consistent with those detected at the time of case closure in 1999. The shallow water-bearing zone is located approximately 15 feet below grade in the center of the Site and this zone was not identified in the eastern corner of the Site as indicated by dry temporary wells TW-1 and TW-2 (**Figure 10**). Using data from the previous investigation and data collected from the MIP survey and soil borings, cross sections were completed which identified an apparent confining layer at approximately 20 feet below grade. Soil samples collected from below 20 feet below grade showed lower hydrocarbon impacts while soil samples collected above 20 feet below grade indicated higher hydrocarbon impacts in the area of the former dispenser island in the vadose zone, at the groundwater interface, and at the base of the shallow water-bearing zone.

An evaluation of the Site conditions in relation to the seven risk factors defined in the MDE Maryland Environmental Assessment Technology (MEAT) document is summarized below:

Liquid Phase Hydrocarbon – Liquid phase hydrocarbon was detected in monitoring well MW-3 during the December 23, 2010 and January 16, 2011 groundwater monitoring events (**Table 1**). Liquid phase hydrocarbon was not detected in the temporary monitoring wells or during the seven subsequent monitoring well gauging events completed on-site.

Current and Future Site and Surrounding Property Usage – The Site is zoned commercial and is located in an area containing commercial businesses as well as residential housing. The Site is an active service station with a convenience store and automated carwash. The Site has been developed as a service station since 1972 and is expected to remain a service station for the foreseeable future.

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Migration of Contamination – The monitoring wells have been sampled since October 2009. A review of the groundwater analytical data indicates that concentrations of dissolved phase hydrocarbons are present in the monitoring wells and temporary wells in the vicinity of the former dispenser and the former UST field in the eastern corner of the Site. The extent of dissolved phase hydrocarbons is delineated to the south and west. Shallow groundwater has been determined to flow to the east/northeast, based on the available groundwater monitoring points, and groundwater is not delineated to the east/northeast, therefore the potential for off-site migration exists. Groundwater flow direction in the deeper water bearing zone has historically been to the east; however, a third monitoring well is proposed to identify the flow direction in the deep water-bearing zone.

Human Exposure – Private potable wells were identified to the south and west (upgradient) of the Site. The Site and the properties to the north and northeast (downgradient) of the Site are supplied with municipal water by the Anne Arundel County Department of Public Works. The station building is a one-story structure constructed on concrete slabs. The property located immediately downgradient is an active service station.

The available soil analytical data from the on-site borings indicate that the soil concentrations for benzene exceeded the MDE Non-Residential Generic Numerical Cleanup Standards in three of the submitted soil samples. The soil concentrations for TPH-GRO exceeded the MDE Non-Residential Generic Numerical Cleanup Standards in eight of the submitted soil samples, and the soil concentrations for TPH-DRO exceeded the MDE Non-Residential Generic Numerical Cleanup Standards in two of the submitted soil samples. All samples that exceeded the MDE Non-Residential Generic Numerical Cleanup Standards were collect at or above 20 feet below grade.

The closest basement to the Site is approximately 365 feet northeast (downgradient) of the Site (**Figure 3**).

Environmental and Ecological Exposure – The nearest surface body of water is an unnamed stream located approximately 2,000 feet north of the Site. The stream flows northeast into Back Creek which then discharges into Chesapeake Bay located approximately 1.5 miles east of the Site (**Figure 1**).

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Additionally, a search of the NWI online database indicates that there are 15 wetlands located within 1 mile of the Site. The nearest downgradient wetland is an estuarine and marine wetland located 0.5 miles northeast of the Site. Based on the distance from the Site, this downgradient wetland area is not considered a potential receptor.

Impact to Utilities and Other Buried Services – Underground utilities located within the vicinity of the Site include storm and sanitary sewer, water, electric, and telephone services. These utilities were identified at shallow depths of less than 7 feet below grade. The utility lines are not considered a preferential pathway for the migration of dissolved phase hydrocarbons at this location as they do not intersect the shallow groundwater interface which was encountered at a minimum depth of approximately 7.69 feet below grade.

Other Sensitive Receptors – Mt. Moriah AME Church is located approximately 970 feet northwest (crossgradient) of the Site. The Anne Arundel County Public Library is located 780 feet south (upgradient) of the Site. Georgetown East Elementary School is located approximately 1,700 feet to the northeast (downgradient) of the Site, and the Spa Creek Rehab Center is located approximately 4,800 feet northwest (crossgradient) of the Site. Based on the locations and distances from the Site, these facilities are not considered potential receptors.

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7.0 SUMMARY AND CONCLUSIONS

Kleinfelder has completed an investigation of the extent of soil and groundwater impact at the Former Southside Facility #27235 located at 1000 Forest Drive, Annapolis, Maryland. The activities completed included a utility markout, airknife/vacuum extraction, advancement of MIP borings and confirmation soil borings, installation of temporary wells for the collection groundwater samples, and drafting of this report. The results and conclusions of the investigation are summarized below:

- Subsurface utilities identified at the Site include storm and sanitary sewer, water, electric, and telephone services. These utilities were identified at shallow depths of less than 7 feet below grade.

- A survey of potential receptors was performed and the closest basement is a residence located approximately 365 feet northeast of the Site. The nearest surface body of water is an unnamed stream located approximately 2,000 feet north of the Site. There were 19 identified private water wells located within 1,000 feet of the Site (upgradient).

- An additional groundwater monitoring well is required to confirm the groundwater flow direction in the deep water-bearing zone.

- The results of the MIP investigation, confirmation soil boring advancement, and temporary well installation indicate that adsorbed and dissolved phase hydrocarbons are delineated on-site to the south and west. Dissolved phase hydrocarbons are also vertically delineated in the area of the former dispenser island and former tankfield.

- Based upon a review of the investigation data, the highest density of hydrocarbons were detected in the soil borings located near the former dispenser island and former tankfield along the eastern portion of the Site at depths of 20 feet below grade and shallower.

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8.0 RECOMMENDATIONS

The results of this investigation indicate that LPH was not detected in the temporary wells and the apparent source of the adsorbed and dissolved phase hydrocarbon impact in the shallow water bearing zone in the area of monitoring well MW-3 is the former dispenser area. Based on the magnitude of the identified petroleum hydrocarbon impacts in the former dispenser area, the development of a Corrective Action Plan (CAP) and active remediation is considered warranted. Kleinfelder, on behalf of Southside, proposes the following activities to fill in data gaps to develop a remedial strategy for the shallow water bearing zone.

- Installation of a third deep monitoring well to verify the apparent groundwater flow direction in the deep water bearing zone. The proposed well location is depicted on **Figure 11**. The proposed well will be installed with hollow stem augers to an estimated depth of approximately 60 feet below grade and will be constructed of 20 feet of 2-inch diameter PVC and 40 feet of 2-inch diameter PVC casing.
- Shallow impacted soils at six feet below grade were identified in soil boring SB-6 with benzene and TPH-GRO concentrations of 71 mg/kg and 8,400 mg/kg; respectively. Kleinfelder, on behalf of Southside, proposes the advancement of additional soil borings as depicted on **Figure 11** in the vicinity of the former dispenser island is proposed to delineate these shallow (less than 10 feet) impacted soils. Soil samples will be collected from the boring for laboratory analysis of full list VOCs, TPH-DRO and TPH-GRO. This data will be used to develop a plan to excavate the shallow impacted soils that will be incorporated into a CAP.
- Kleinfelder, on behalf of Southside, proposes to submit a work plan for feasibility testing to address dissolved phase hydrocarbons in the shallow water bearing zone under separate cover.
- Completion of the proposed field activities and development of a CAP.

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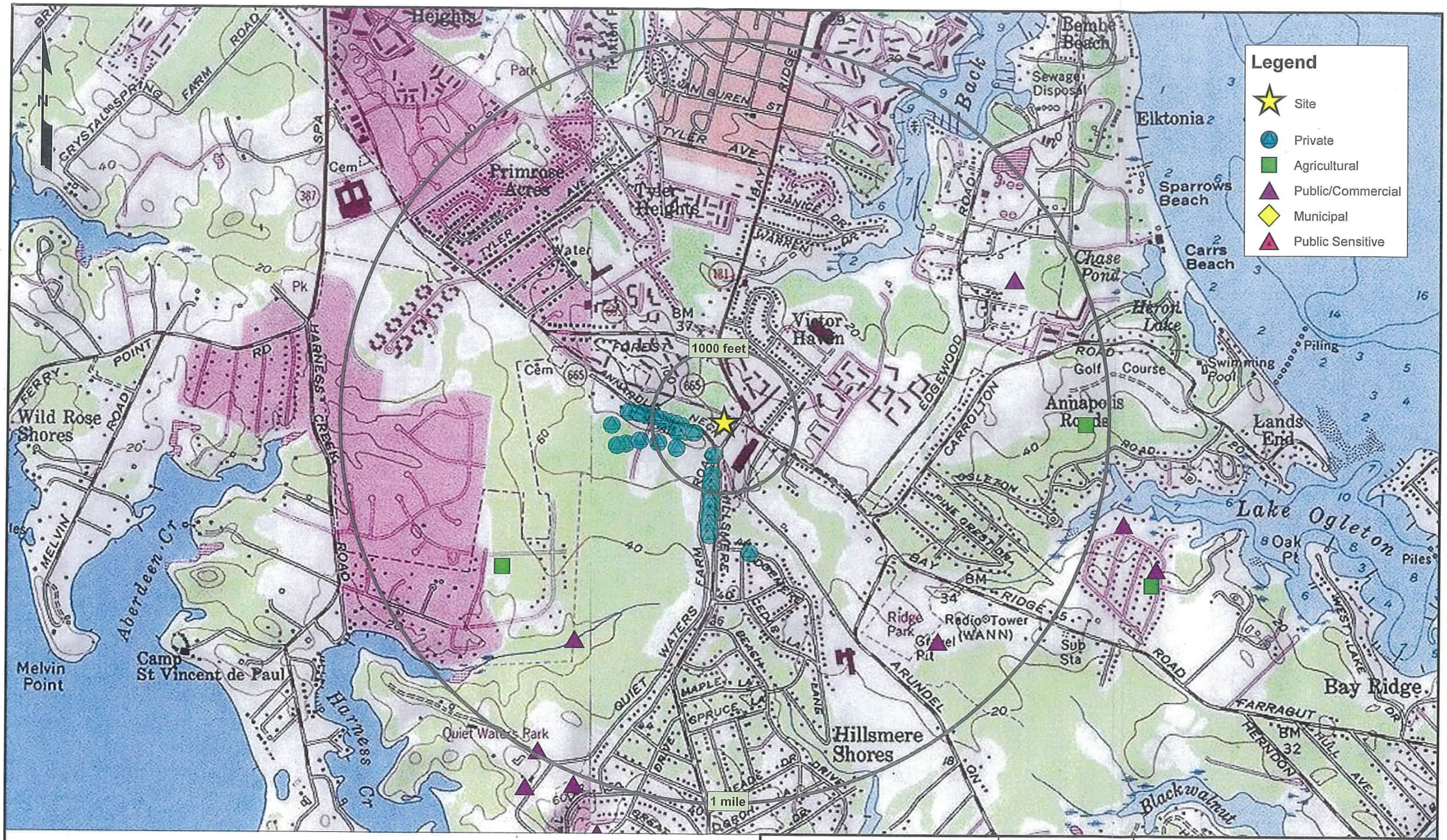
9.0 LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

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Figures



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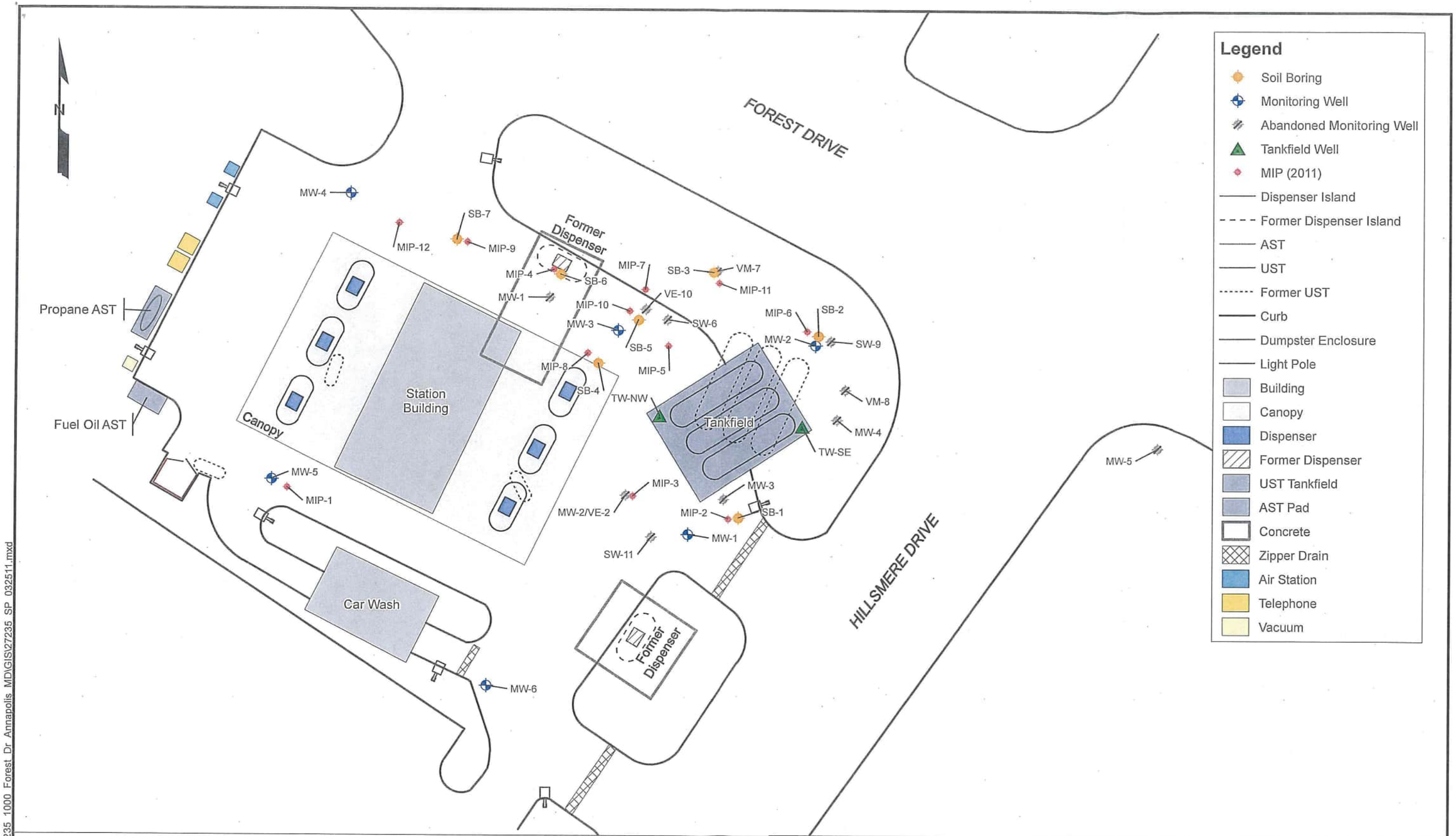
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REGIONAL AREA MAP

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
1



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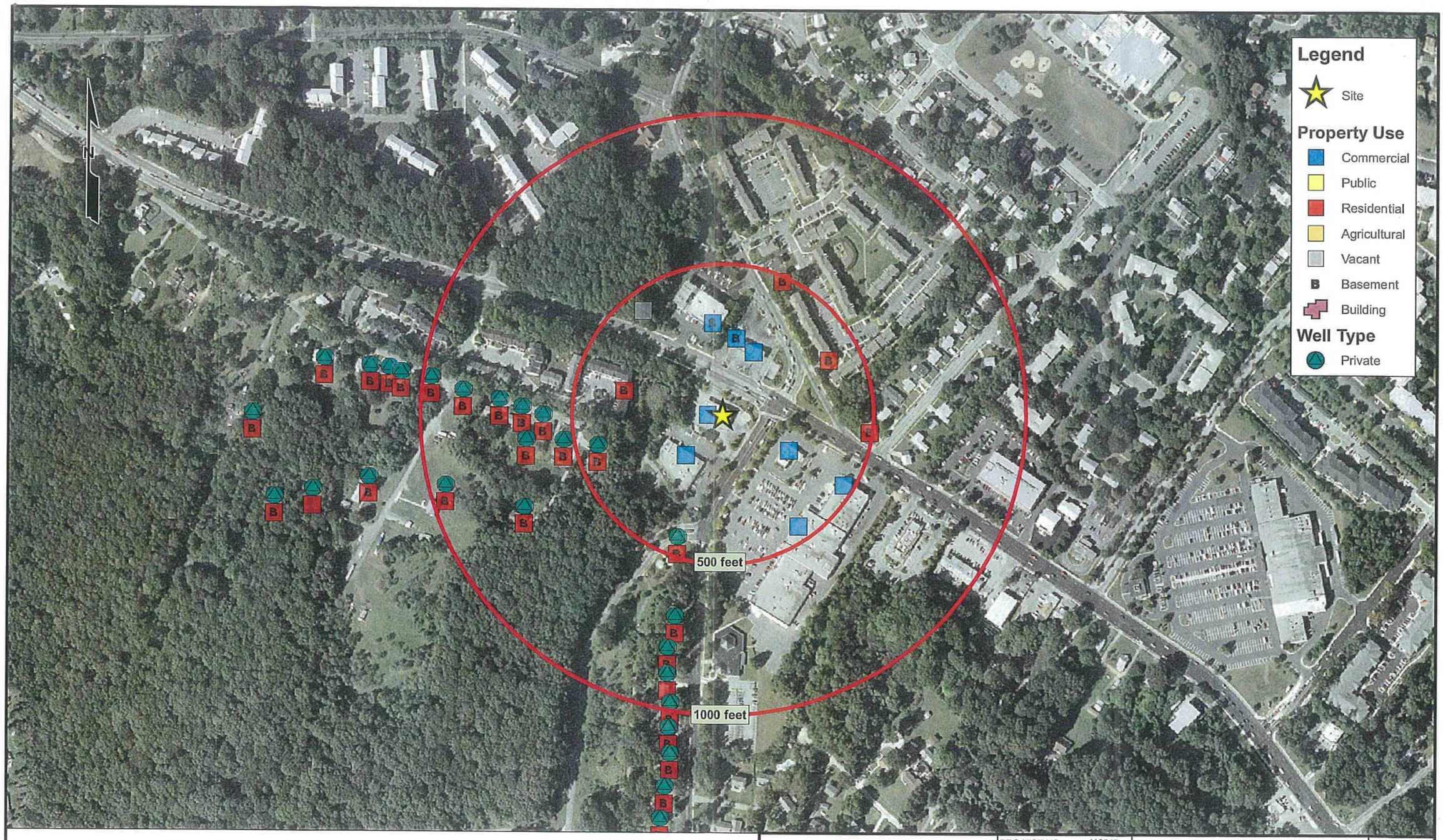
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Site Plan

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
2



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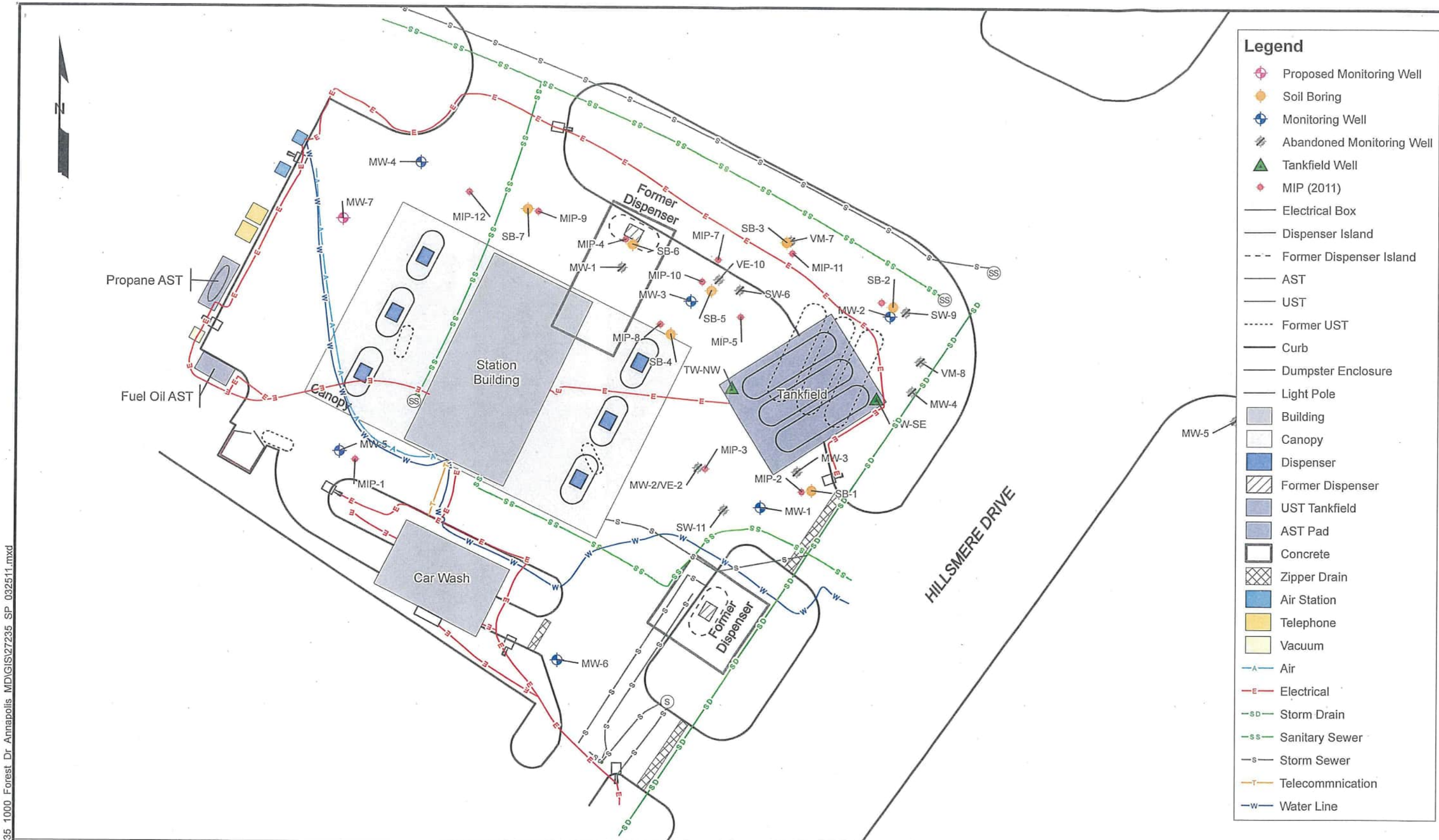
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LOCAL AREA MAP

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
3



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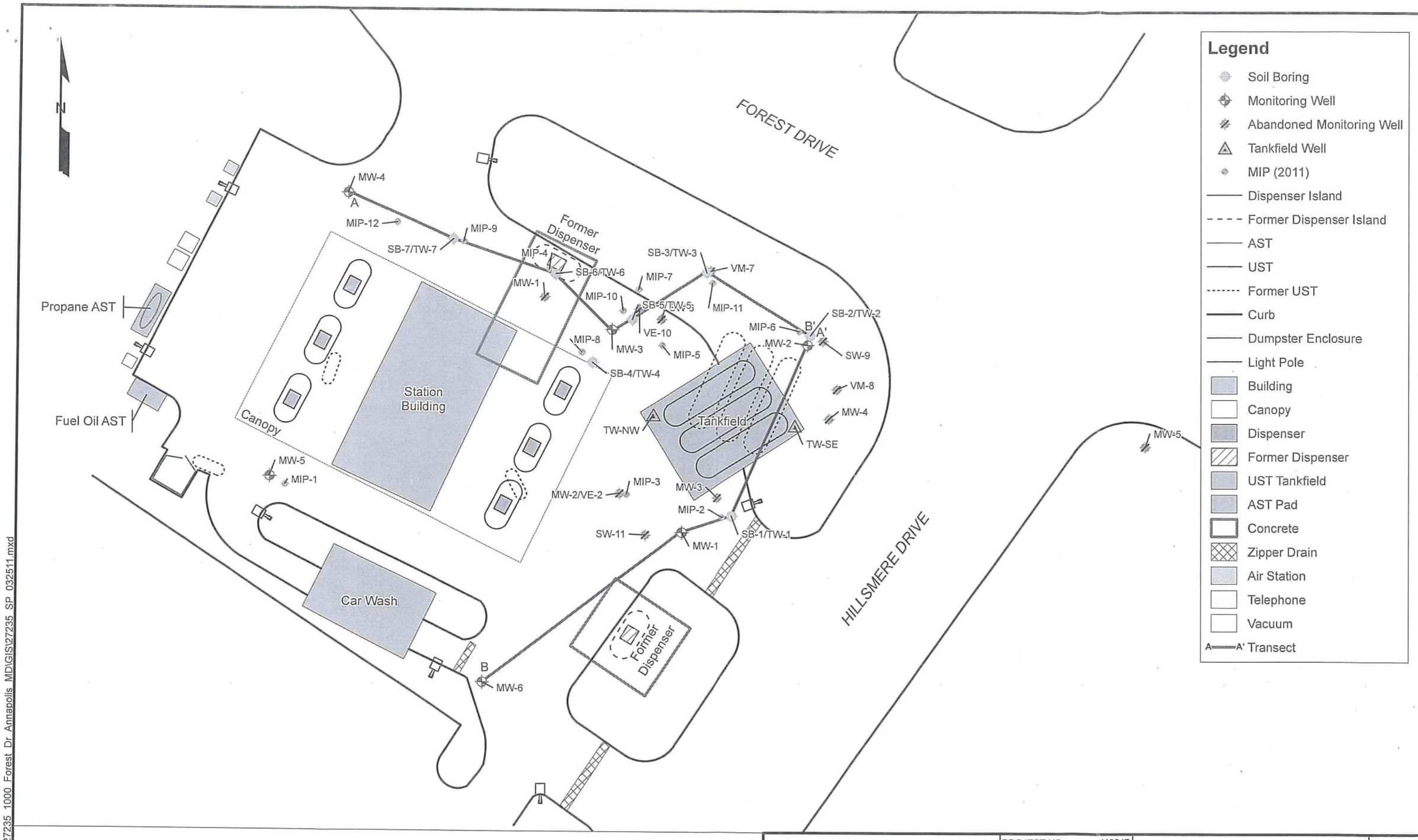
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Utility Location Map

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FIGURE
4



Legend

- Soil Boring
- Monitoring Well
- Abandoned Monitoring Well
- Tankfield Well
- MIP (2011)
- Dispenser Island
- Former Dispenser Island
- AST
- UST
- Former UST
- Curb
- Dumpster Enclosure
- Light Pole
- Building
- Canopy
- Dispenser
- Former Dispenser
- UST Tankfield
- AST Pad
- Concrete
- Zipper Drain
- Air Station
- Telephone
- Vacuum
- A—A' Transect

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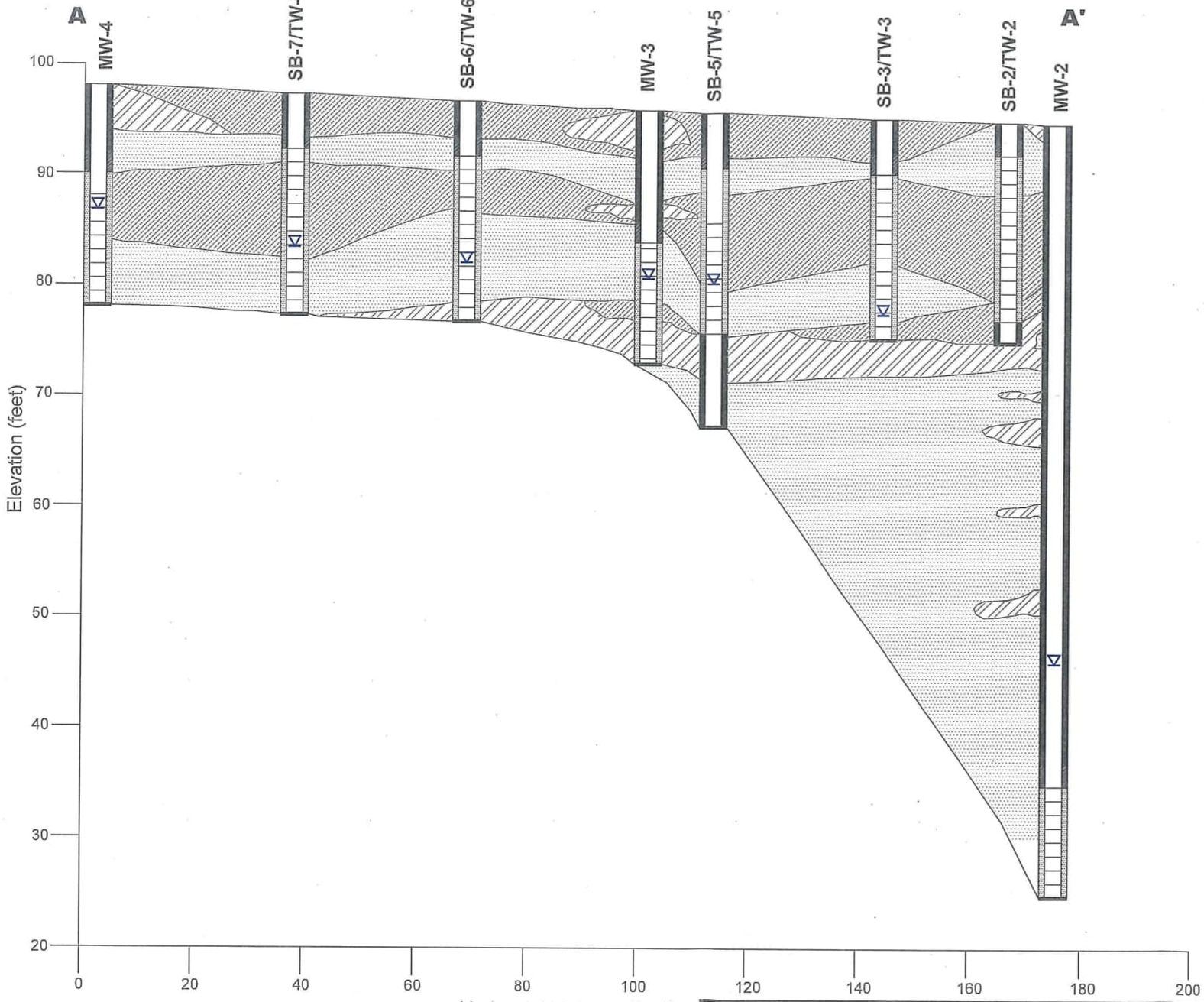
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Cross Section Location Map

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FIGURE
5

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Legend

- Surface Topography
- Cement/Bentonite Grout
- Well Casing
- Well Screen
- Well Filter Pack
- Groundwater Potentiometric
- Silty Sand
- Sand
- Clay

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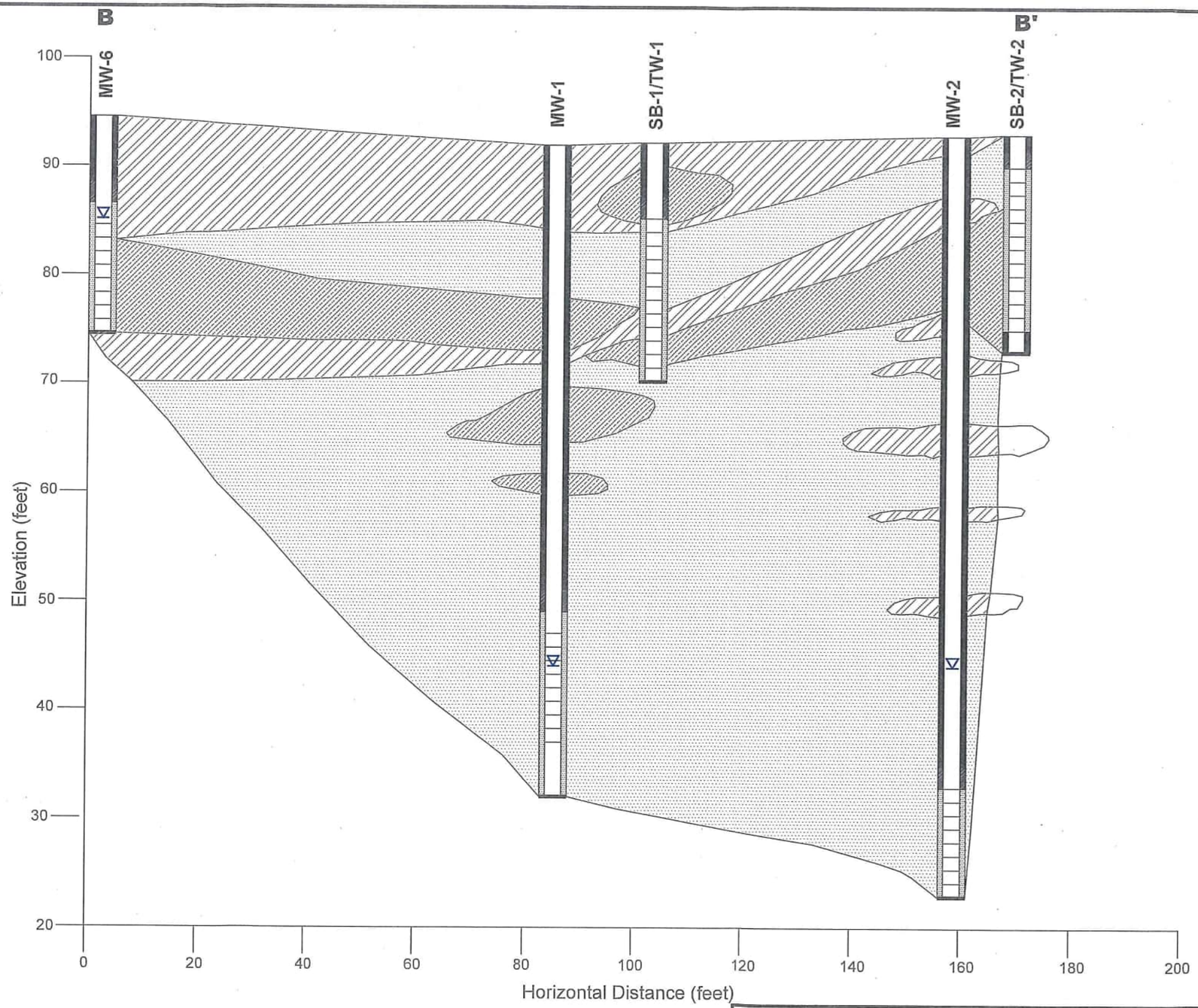
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GEOLOGIC CROSS SECTION
A-A'

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
6

HANOVER, MD



Legend

- Surface Topography
- Cement/Bentonite Grout
- Well Casing
- Well Screen
- Well Filter Pack
- Groundwater Potentiometric
- Silty Sand
- Sand
- Clay

HANOVER, MD

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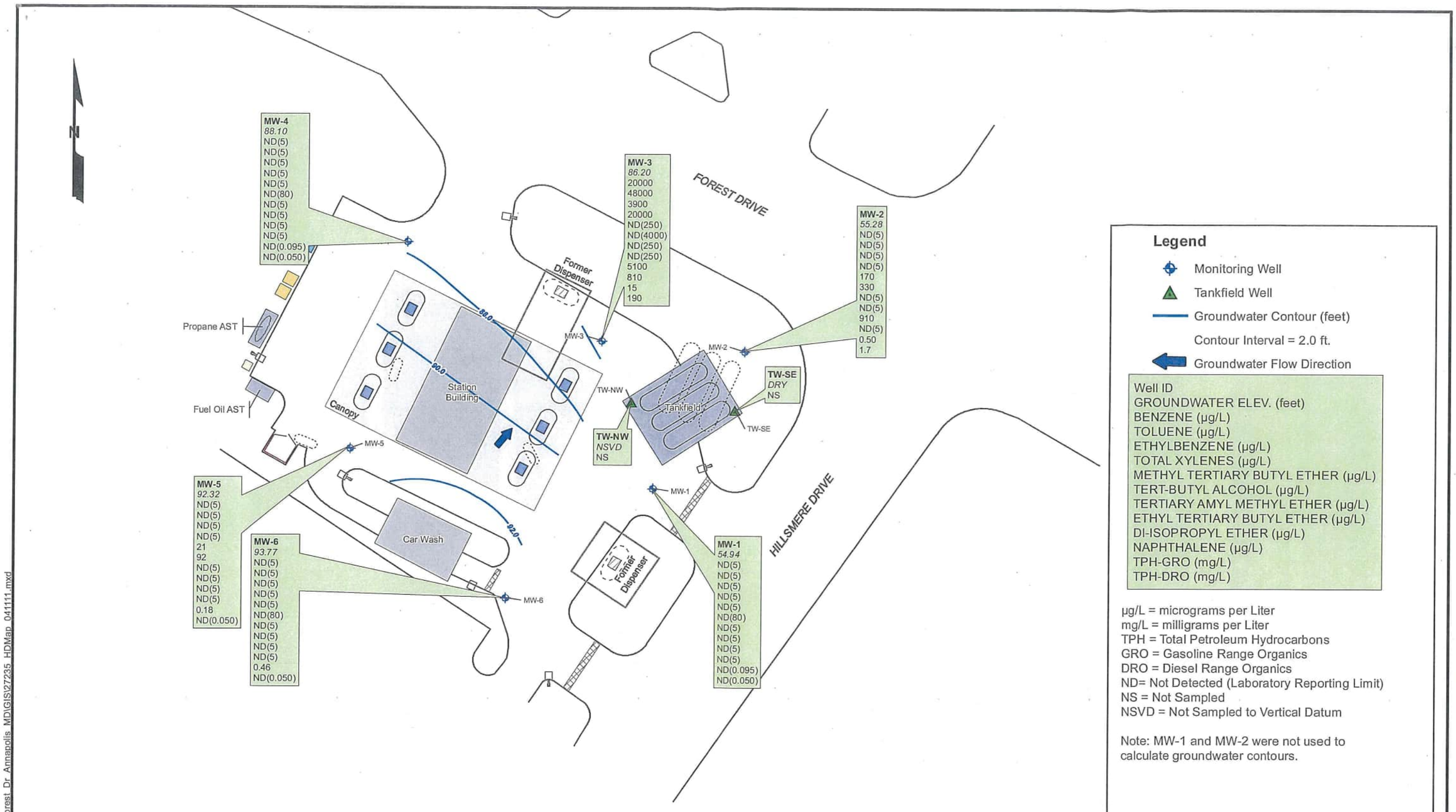
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GEOLOGIC CROSS SECTION
B-B'

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
7



Legend

- Monitoring Well
- Tankfield Well
- Groundwater Contour (feet)
- Contour Interval = 2.0 ft.
- Groundwater Flow Direction

Well ID
GROUNDWATER ELEV. (feet)
BENZENE (µg/L)
TOLUENE (µg/L)
ETHYLBENZENE (µg/L)
TOTAL XYLENES (µg/L)
METHYL TERTIARY BUTYL ETHER (µg/L)
TERT-BUTYL ALCOHOL (µg/L)
TERTIARY AMYL METHYL ETHER (µg/L)
ETHYL TERTIARY BUTYL ETHER (µg/L)
DI-ISOPROPYL ETHER (µg/L)
NAPHTHALENE (µg/L)
TPH-GRO (mg/L)
TPH-DRO (mg/L)

µg/L = micrograms per Liter
mg/L = milligrams per Liter
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ND= Not Detected (Laboratory Reporting Limit)
NS = Not Sampled
NSVD = Not Sampled to Vertical Datum

Note: MW-1 and MW-2 were not used to calculate groundwater contours.

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HYDROCARBON DISTRIBUTION/ GROUNDWATER CONTOUR MAP
APRIL 22, 2011

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
8



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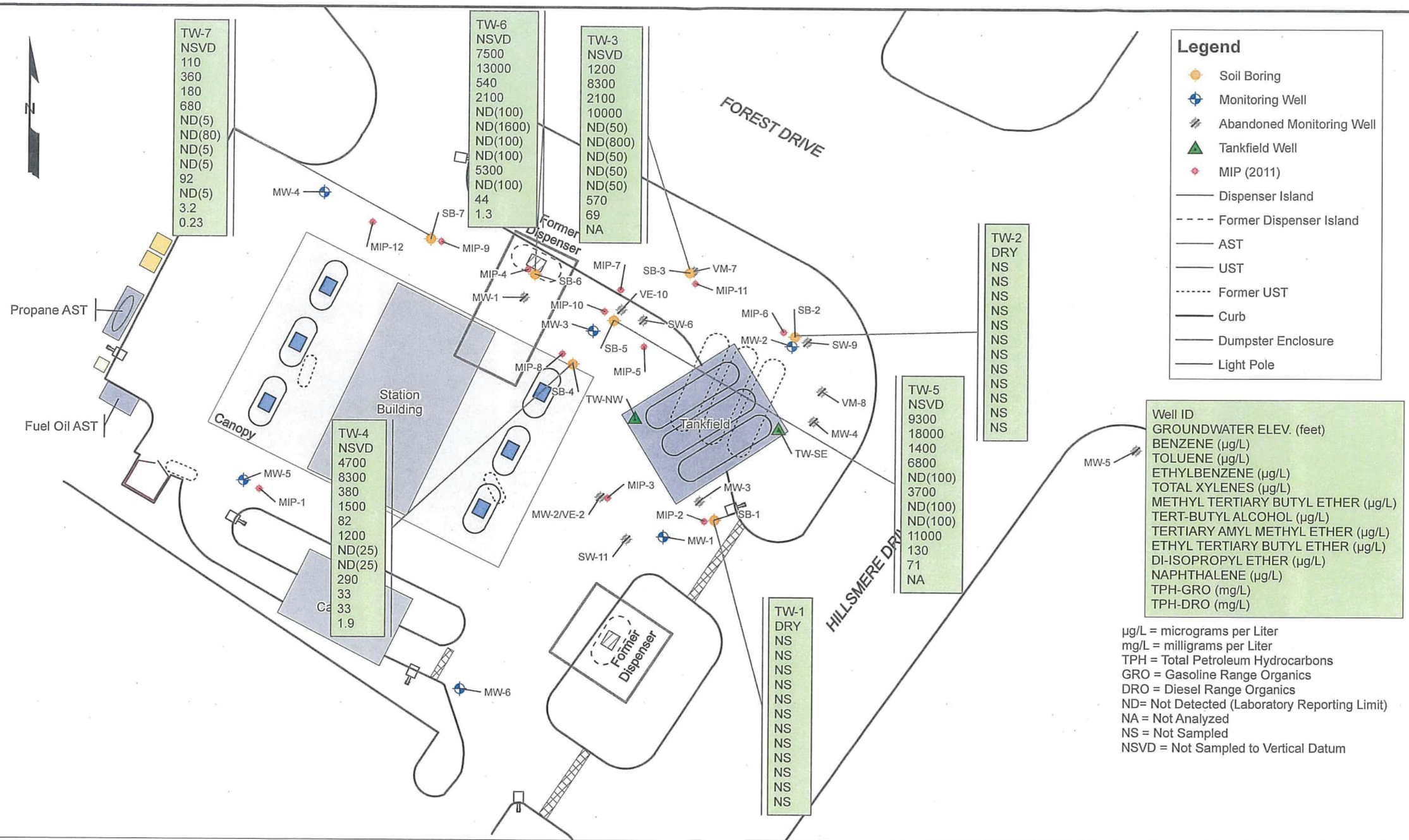
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Soil Boring Hydrocarbon Distribution Map

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
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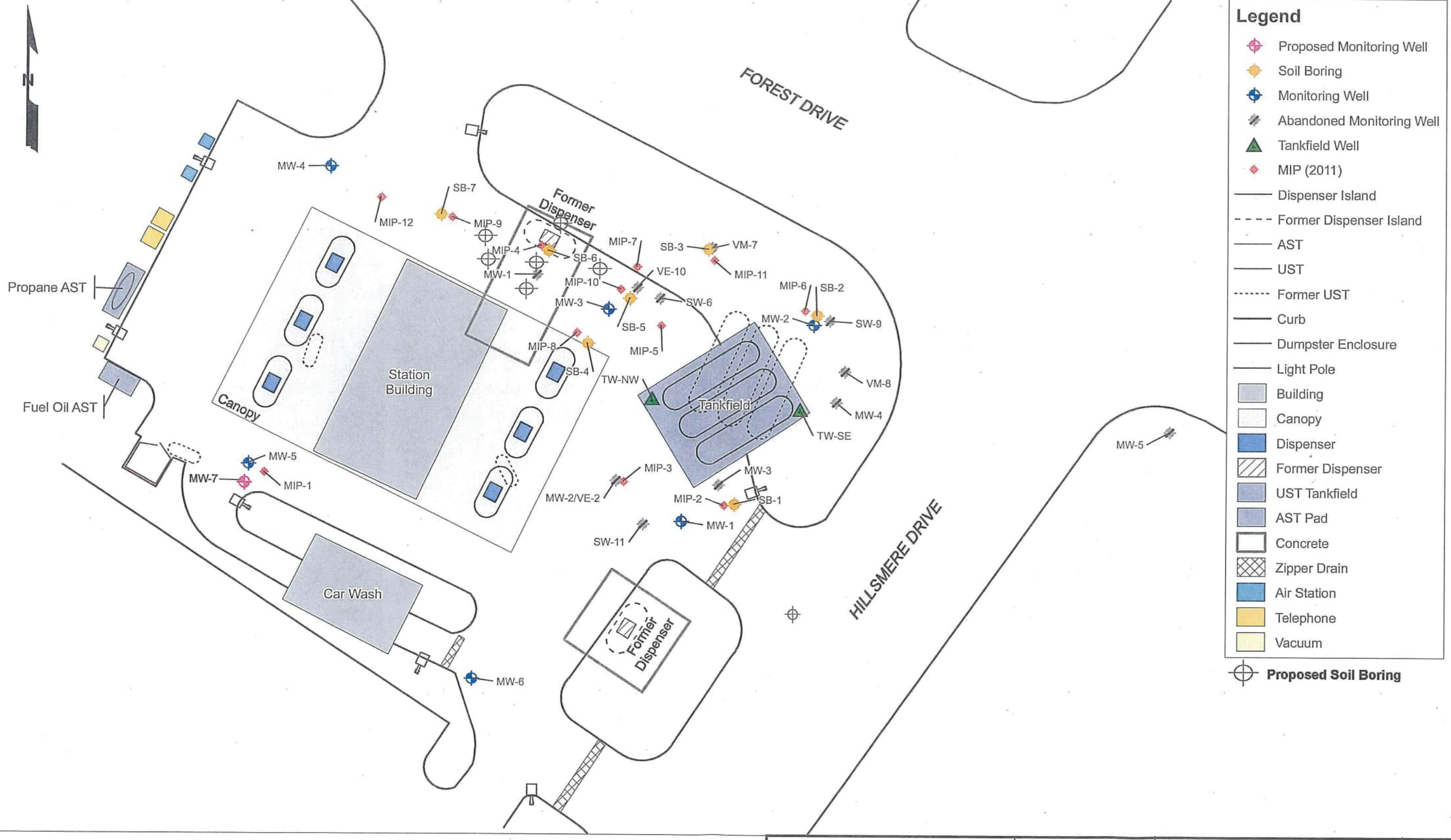
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Temporary Well Groundwater Hydrocarbon Distribution Map

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
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Proposed Monitoring Well & Soil Boring Location Map

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
11

Tables

Table 1

Monitoring Well Gauging Data Summary

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through August 10, 2011

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
MW-1	10/29/2009	103.42	50.75	ND	ND	N/A	52.67	
	11/13/2009	103.42	50.50	ND	ND	N/A	52.92	
	01/11/2010	103.42	50.00	ND	ND	N/A	53.42	
	04/08/2010	103.42	48.18	ND	ND	N/A	55.24	
	09/28/2010	103.42	47.46	ND	ND	N/A	55.96	
	10/23/2010	103.42	48.01	ND	ND	N/A	55.41	
	11/16/2010	103.42	47.73	ND	ND	N/A	55.69	
	12/23/2010	103.42	48.08	ND	ND	N/A	55.34	
	01/28/2011	103.42	48.19	ND	ND	N/A	55.23	
	02/17/2011	103.42	48.31	ND	ND	N/A	55.11	
	03/15/2011	103.42	48.51	ND	ND	N/A	54.91	
	04/22/2011	91.09	48.48	ND	ND	N/A	42.61	
	05/18/2011	103.42	48.11	ND	ND	N/A	55.31	
	06/03/2011	103.42	48.03	ND	ND	N/A	55.39	
	07/06/2011	103.42	47.95	ND	ND	N/A	55.47	
	08/10/2011	91.09	48.04	ND	ND	N/A	43.05	
MW-2	10/29/2009	104.67	51.67	ND	ND	N/A	53.00	
	11/13/2009	104.67	51.16	ND	ND	N/A	53.51	
	01/11/2010	104.67	50.91	ND	ND	N/A	53.76	
	04/08/2010	104.67	49.11	ND	ND	N/A	55.56	
	09/28/2010	104.67	48.76	ND	ND	N/A	55.91	
	10/23/2010	104.67	48.52	ND	ND	N/A	56.15	
	11/16/2010	104.67	48.91	ND	ND	N/A	55.76	
	12/23/2010	104.67	48.83	ND	ND	N/A	55.84	
	01/28/2011	104.67	49.04	ND	ND	N/A	55.63	
	02/17/2011	104.67	49.13	ND	ND	N/A	55.54	
	03/15/2011	104.67	49.01	ND	ND	N/A	55.66	
	04/22/2011	91.87	49.39	ND	ND	N/A	42.48	
	05/18/2011	104.67	49.45	ND	ND	N/A	55.22	
	06/03/2011	104.67	48.92	ND	ND	N/A	55.75	
	07/06/2011	104.67	48.88	ND	ND	N/A	55.79	
	08/10/2011	91.87	49.03	ND	ND	N/A	42.84	

Table 1 (Continued)

Monitoring Well Gauging Data Summary

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through August 10, 2011

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
MW-3	10/29/2009	101.31	15.24	ND	ND	N/A	86.07	
	11/13/2009	101.31	15.01	ND	ND	N/A	86.30	
	01/11/2010	101.31	14.35	ND	ND	N/A	86.96	
	04/08/2010	101.31	13.57	ND	ND	N/A	87.74	
	09/28/2010	101.31	14.48	ND	ND	N/A	86.83	
	10/23/2010	101.31	14.15	ND	ND	N/A	87.16	
	11/16/2010	101.31	14.58	ND	ND	N/A	86.73	
	12/23/2010	101.31	15.17	15.15	0.02	0.02	86.16	
	01/28/2011	101.31	15.41	15.39	0.02	0.02	85.92	
	02/17/2011	101.31	15.29	ND	ND	N/A	86.02	
	03/15/2011	101.31	14.87	ND	ND	N/A	86.44	
	04/22/2011	95.18	15.11	ND	ND	N/A	80.07	
	05/18/2011	101.31	14.95	ND	ND	N/A	86.36	
	06/03/2011	101.31	15.13	ND	ND	N/A	86.18	
	07/06/2011	101.31	15.25	ND	ND	N/A	86.06	
	08/10/2011	95.18	15.63	ND	ND	N/A	79.55	
MW-4	10/29/2009	99.27	12.65	ND	ND	N/A	86.62	
	11/13/2009	99.27	12.50	ND	ND	N/A	86.77	
	04/08/2010	99.27	8.97	ND	ND	N/A	90.30	
	09/28/2010	99.27	11.35	ND	ND	N/A	87.92	
	10/23/2010	99.27	11.03	ND	ND	N/A	88.24	
	11/16/2010	99.27.	11.48	ND	ND	N/A	87.79	
	12/23/2010	99.27	11.55	ND	ND	N/A	87.72	
	01/28/2011	99.27	11.69	ND	ND	N/A	87.58	
	02/17/2011	99.27	11.64	ND	ND	N/A	87.63	
	03/15/2011	99.27	11.10	ND	ND	N/A	88.17	
	04/22/2011	98.10	11.17	ND	ND	N/A	86.93	
	05/18/2011	99.27	10.88	ND	ND	N/A	88.39	
	06/03/2011	99.27	11.08	ND	ND	N/A	88.19	
	07/06/2011	99.27	11.78	ND	ND	N/A	87.49	
	08/10/2011	98.10	12.62	ND	ND	N/A	85.48	

Table 1 (Continued)

Monitoring Well Gauging Data Summary

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through August 10, 2011

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
MW-5	10/29/2009	100.38	10.66	ND	ND	N/A	89.72	
	11/13/2009	100.38	10.49	ND	ND	N/A	89.89	
	01/11/2010	100.38	8.57	ND	ND	N/A	91.81	
	04/08/2010	100.38	8.36	ND	ND	N/A	92.02	
	09/28/2010	100.38	9.30	ND	ND	N/A	91.08	
	10/23/2010	100.38	9.07	ND	ND	N/A	91.31	
	11/16/2010	100.38	9.63	ND	ND	N/A	90.75	
	12/23/2010	100.38	9.73	ND	ND	N/A	90.65	
	01/28/2011	100.38	9.73	ND	ND	N/A	90.65	
	02/17/2011	100.38	9.31	ND	ND	N/A	91.07	
	03/15/2011	100.38	8.80	ND	ND	N/A	91.58	
	04/22/2011	95.97	8.06	ND	ND	N/A	87.91	
	05/18/2011	100.38	8.61	ND	ND	N/A	91.77	
	06/03/2011	100.38	8.67	ND	ND	N/A	91.71	
	07/06/2011	100.38	8.36	ND	ND	N/A	92.02	
	08/10/2011	95.97	10.24	ND	ND	N/A	85.73	
MW-6	10/29/2009	102.29	9.00	ND	ND	N/A	93.29	
	11/13/2009	102.29	8.82	ND	ND	N/A	93.47	
	01/11/2010	102.29	8.66	ND	ND	N/A	93.63	
	04/08/2010	102.29	7.69	ND	ND	N/A	94.60	
	09/28/2010	102.29	8.09	ND	ND	N/A	94.20	
	10/23/2010	102.29	8.46	ND	ND	N/A	93.83	
	11/16/2010	102.29	9.30	ND	ND	N/A	92.99	
	12/23/2010	102.29	9.57	ND	ND	N/A	92.72	
	01/28/2011	102.29	9.33	ND	ND	N/A	92.96	
	02/17/2011	102.29	9.21	ND	ND	N/A	93.08	
	03/15/2011	102.29	7.95	ND	ND	N/A	94.34	
	04/22/2011	94.08	8.52	ND	ND	N/A	85.56	
	05/18/2011	102.29	9.03	ND	ND	N/A	93.26	
	06/03/2011	102.29	9.05	ND	ND	N/A	93.24	
	07/06/2011	102.29	9.45	ND	ND	N/A	92.84	
	08/10/2011	94.08	9.70	ND	ND	N/A	84.38	
TF-NW	01/28/2011	NSVD	15.47	ND	ND	N/A	NSVD	
	02/17/2011	NSVD	15.43	ND	ND	N/A	NSVD	
	03/15/2011	NSVD	15.81	ND	ND	N/A	NSVD	
	04/22/2011	NSVD	15.80	ND	ND	N/A	NSVD	
	05/18/2011	NSVD	15.79	ND	ND	N/A	NSVD	
	06/03/2011	NSVD	15.77	ND	ND	N/A	NSVD	
	07/06/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	08/10/2011	NSVD	15.88	ND	ND	N/A	NSVD	

Table 1 (Continued)

Monitoring Well Gauging Data Summary

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through August 10, 2011

Well ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Correction Factor (feet)	Corrected GW Elevation (feet)	Comments
TF-SE	01/28/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	02/17/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	03/15/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	04/22/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	05/18/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	06/03/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	07/06/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	
	08/10/2011	NSVD	DRY	DRY	DRY	N/A	NSVD	

Notes:

GW - Groundwater
ND - Not detected
NM - Not monitored
NSVD - Not surveyed to vertical datum

Table 2

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through April 22, 2011

		Gauging Data					Analytical Data												
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Comments
MW-1	10/29/2009	103.42	50.75	ND	ND	52.67	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	11/13/2009	103.42	50.50	ND	ND	52.92	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	01/11/2010	103.42	50.00	ND	ND	53.42	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	0.27 J	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	04/08/2010	103.42	48.18	ND	ND	55.24	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.301	ND(0.20)	
	10/23/2010	103.42	48.01	ND	ND	55.41	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.5	ND(0.05)	
	01/28/2011	103.42	48.19	ND	ND	55.23	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.15	ND(0.050)	
	04/22/2011	103.42	48.48	ND	ND	54.94	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	
MW-2	10/29/2009	104.67	51.67	ND	ND	53.00	1.1	0.74 J	18.9	2.7	23.4 J	426	NA	NA	NA	NA	25.3	1.02	3.89	
	11/13/2009	104.67	51.16	ND	ND	53.51	0.74 J	ND(1.0)	10.6	0.38 J	11.7 J	434	NA	NA	NA	NA	16.7	0.832	3.57	
	01/11/2010	104.67	50.91	ND	ND	53.76	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	BRL	166	NA	NA	NA	NA	ND(10)	0.325	1.35	
	04/08/2010	104.67	49.11	ND	ND	55.56	ND(10)	ND(10)	ND(10)	ND(10)	BRL	360	461	5.8 J	ND(50)	1740	ND(50)	0.833	3.75	
	10/23/2010	104.67	48.52	ND	ND	56.15	ND(10)	ND(10)	ND(10)	ND(10)	BRL	280	520	ND(10)	ND(10)	1900	ND(10)	0.71	3.4	
	01/28/2011	104.67	49.04	ND	ND	55.63	ND(5)	ND(5)	ND(5)	ND(5)	BRL	220	370	ND(5)	ND(5)	1100	ND(5)	0.88	1.7	
	04/22/2011	104.67	49.39	ND	ND	55.28	ND(5)	ND(5)	ND(5)	ND(5)	BRL	170	330	ND(5)	ND(5)	910	ND(5)	0.50	1.7	
MW-3	10/29/2009	101.31	15.24	ND	ND	86.07	9910	23400	2150	9290	44750	144	NA	NA	NA	NA	206 J	5.89	98.9	
	11/13/2009	101.31	15.01	ND	ND	86.30	13000	26900	2400	11000	53300	179 J	NA	NA	NA	NA	ND(1300)	4.40	129	
	01/11/2010	101.31	14.35	ND	ND	86.96	24900	57200	3920	19000	105020	178 J	NA	NA	NA	NA	356 J	9.76	212	
	04/08/2010	101.31	13.57	ND	ND	87.74	23400	44900	3220	14600	86120	129	1700	ND(250)	ND(250)	8990	459	7.43	217	
	10/23/2010	101.31	14.15	ND	ND	87.16	13000	33000	2800	13000	61800	ND(250)	ND(4000)	ND(250)	ND(250)	2400	300	2.9	120	
	01/28/2011	101.31	15.41	15.39	0.02	85.92	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	04/22/2011	101.31	15.11	ND	ND	86.20	20000	48000	3900	20000	91900	ND(250)	ND(4000)	ND(250)	ND(250)	5100	810	15	190	
MW-4	10/29/2009	99.27	12.65	ND	ND	86.62	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	3.7	NA	NA	NA	NA	ND(5.0)	0.152	ND(0.20)	
	11/13/2009	99.27	12.50	ND	ND	86.77	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	7.4	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	01/11/2010	99.27	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	04/08/2010	99.27	8.97	ND	ND	90.30	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	
	10/23/2010	99.27	11.03	ND	ND	88.24	190	690	86	410	1376	ND(5)	ND(80)	ND(5)	ND(5)	18	8	0.16	3.7	
	01/28/2011	99.27	11.69	ND	ND	87.58	ND(5)	ND(5)	ND(5)	ND(5)	BRL	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.24	ND(0.050)	
	04/22/2011	99.27	11.17	ND	ND	88.10	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	

Table 2 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through April 22, 2011

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Comments
MW-5	10/29/2009	100.38	10.66	ND	ND	89.72	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.0	NA	NA	NA	NA	ND(5.0)	0.175	ND(0.20)	
	11/13/2009	100.38	10.49	ND	ND	89.89	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	4.2	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	01/11/2010	100.38	8.57	ND	ND	91.81	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	32.2	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	04/08/2010	100.38	8.36	ND	ND	92.02	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	56.2	195	ND(5.0)	ND(5.0)	2.0 J	ND(5.0)	ND(0.10)	ND(0.20)	
	10/23/2010	100.38	9.07	ND	ND	91.31	94	340	41	210	685	45	180	ND(5)	ND(5)	10	ND(5)	0.47	1.9	
	01/28/2011	100.38	9.73	ND	ND	90.65	ND(5)	ND(5)	ND(5)	ND(5)	BRL	32	130	ND(5)	ND(5)	ND(5)	ND(5)	1.5	ND(0.050)	
	04/22/2011	100.38	8.06	ND	ND	92.32	ND(5)	ND(5)	ND(5)	ND(5)	BRL	21	92	ND(5)	ND(5)	ND(5)	ND(5)	0.18	ND(0.050)	
MW-6	10/29/2009	102.29	9.00	ND	ND	93.29	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.2	NA	NA	NA	NA	ND(5.0)	0.154	ND(0.20)	
	11/13/2009	102.29	8.82	ND	ND	93.47	0.26 J	ND(1.0)	ND(1.0)	ND(1.0)	0.26 J	1.3	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	01/11/2010	102.29	8.66	ND	ND	93.63	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	1.5	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	
	04/08/2010	102.29	7.69	ND	ND	94.60	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	BRL	2.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.141	ND(0.20)	
	10/23/2010	102.29	8.46	ND	ND	93.83	46	210	25	130	411	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.6	0.9	
	01/28/2011	102.29	9.33	ND	ND	92.96	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.58	ND(0.050)	
	04/22/2011	102.29	8.52	ND	ND	93.77	ND(5)	ND(5)	ND(5)	ND(5)	BRL	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.46	ND(0.050)	
TF-NW	01/28/2011	NSVD	15.47	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	04/22/2011	NSVD	15.80	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TF-SE	01/28/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	04/22/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 2 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through April 22, 2011

Notes:

µg/L - micrograms per liter
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - Di-Isopropyl Ether
DRO - Diesel Range Organics
ETBE - Ethyl Tertiary Butyl Ether
GRO - Gasoline Range Organics
GW - Groundwater
J - Indicates an estimated value
mg/L - milligram per liter
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
ND - Not detected
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol
TPH - Total Petroleum Hydrocarbons

Kleinfelder
1340 Charwood Road, Suite I, Hanover, MD

Table 3

Groundwater Monitoring & Analytical Data - Temporary Wells

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
June 9, 2011 through July 6, 2011

		Gauging Data					Analytical Data												
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	Total BTEX (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Comments
TW-1	06/09/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	07/06/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TW-2	06/09/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	07/06/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TW-3	06/09/2011	NSVD	16.84	ND	ND	NSVD	1200	8300	2100	10000	21600	ND(50)	ND(800)	ND(50)	ND(50)	ND(50)	570	NA	69	
	07/06/2011	NSVD	17.75	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TW-4	06/09/2011	NSVD	14.73	ND	ND	NSVD	4700	8300	380	1500	14880	82	1200	ND(25)	ND(25)	290	33	1.9	33	
	07/06/2011	NSVD	15.07	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TW-5	06/09/2011	NSVD	15.22	ND	ND	NSVD	9300	18000	1400	6800	35500	ND(100)	3700	ND(100)	ND(100)	11000	130	NA	71	
	07/06/2011	NSVD	15.49	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TW-6	06/09/2011	NSVD	14.22	ND	ND	NSVD	7500	13000	540	2100	23140	ND(100)	ND(1600)	ND(100)	ND(100)	5300	ND(100)	1.3	44	
	07/06/2011	NSVD	14.63	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
TW-7	06/09/2011	NSVD	13.45	ND	ND	NSVD	110	360	180	680	1330	ND(5)	ND(80)	ND(5)	ND(5)	92	ND(5)	0.23	3.2	
	07/06/2011	NSVD	13.86	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 3 (Continued)

Groundwater Monitoring & Analytical Data - Temporary Wells

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
June 9, 2011 through July 6, 2011

Notes:

µg/L - micrograms per liter
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DIPE - Di-Isopropyl Ether
DRO - Diesel Range Organics
ETBE - Ethyl Tertiary Butyl Ether
GRO - Gasoline Range Organics
GW - Groundwater
mg/L - milligram per liter
MTBE - Methyl Tert Butyl Ether
NA - Not analyzed
ND - Not detected
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
NSVD - Not surveyed to vertical datum
TAME - Tertiary Amyl Methyl Ether
TBA - Tertiary Butyl Alcohol
TPH - Total Petroleum Hydrocarbons

TABLE 4

Soil Analytical Data
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland

June 2, 2011 through June 3, 2011

Sample ID	Date	Depth (feet)	PID (ppm)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Total BTEX (mg/kg)	Methyl Tertiary Butyl Ether (mg/kg)	Tert-butyl Alcohol (mg/kg)	tert-Amyl Methyl Ether (mg/kg)	ETBE (mg/kg)	Di-Isopropyl ether (mg/kg)	Naphthalene (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
SB-1(10-12)	6/2/2011	10-12	1339	6.9	360	150	960	1477	ND(0.94)	ND(19)	ND(0.94)	ND(0.94)	ND(0.94)	39	3800	440
SB-1(18-20)	6/2/2011	18-20	922	ND(0.22)	1.4	0.32	1.8	3.5	ND(0.22)	ND(4.4)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	44	27
SB-1(20-22)	6/2/2011	20-22	13.8	ND(0.32)	2.6	0.37	2.2	5.2	ND(0.32)	ND(6.3)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	14	380
SB-2(18-20)	6/3/2011	18-20	2149	ND(0.43)	1.6	21	250	273	ND(0.43)	ND(8.6)	ND(0.43)	ND(0.43)	ND(0.43)	18	1700	ND(16)
SB-3(13-15)	6/3/2011	13-15	1402	2.7	200	120	650	973	ND(0.87)	ND(17)	ND(0.87)	ND(0.87)	ND(0.87)	25	3400	550
SB-3(18-20)	6/3/2011	18-20	2834	10	34	5.6	29	79	ND(0.48)	ND(9.7)	ND(0.48)	ND(0.48)	ND(0.48)	1.3	650	73
SB-4(8-10)	6/2/2011	8-10	3193	1.9	74	38	210	324	ND(0.22)	ND(4.4)	ND(0.22)	ND(0.22)	ND(0.22)	16	690	ND (15)
SB-4(18-20)	6/2/2011	18-20	3664	0.19	0.97	0.055	0.24	1.46	0.013	0.28	ND(0.005)	ND(0.005)	0.011	ND(0.005)	ND(9.0)	200
SB-5(7-8)	6/2/2011	7-8	3178	2.1	5.7	0.82	4.0	12.6	ND(0.24)	ND(4.9)	ND(0.24)	ND(0.24)	1.7	ND(0.24)	43	ND(15)
SB-5(18-20)	6/2/2011	18-20	2304	140	1100	250	1300	2790	ND(9.4)	ND(190)	ND(9.4)	ND(9.4)	38	50	13000	1000
SB-5(27-28.5)	6/2/2011	27-28.5	2737	0.64	1.7	ND(0.25)	0.70	3.0	ND(0.25)	ND(5.1)	ND(0.25)	ND(0.25)	1.4	ND(0.25)	11	ND(15)
SB-6(5-6)	6/2/2011	5-6	3864	85	1100	290	1500	2975	ND(1.0)	ND(20)	ND(1.0)	ND(1.0)	23	48	8400	1200
SB-6(13-15)	6/2/2011	13-15	1425	71	400	95	490	1056	ND(0.87)	ND(17)	ND(0.87)	ND(0.87)	29	17	3600	420
[1]Non-Residential Soil Standards				52	8200	10000	20000	-	720	-	-	-	-	2000	620	620

Notes:

BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
DRO - Diesel range orangics
ETBE - Ethyl tertiary butyl ether
GRO - Gasoline range organics
PID - Photoionization detector
ppm - Parts per million
mg/kg - milligram per kilogram
NA - Not analyzed
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NS - Not sampled
TPH - Total petroleum hydrocarbon
[1] June 2008 MDE Cleanup Standards for Soil and Groundwater (Interim Final Guidance , Update 2.1)
Shaded values indicate exceedance of standard

Kleinfelder
1340 Charwood Road, Suite I, Hanover, MD

Appendix A
MDE Correspondence

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 410-537-3092 (fax) 1-800-633-6101, ext. 3442

RECEIVED
SEP 13 2010
BY: CTaylor

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Shari T. Wilson
Secretary

Robert M. Summers, Ph.D.
Deputy Secretary

September 10, 2010

Ms. Melissa W. Tacchino
Project Manager
ExxonMobil Environmental Services Company
3225 Gallows Road, Room 8B0604
Fairfax VA 22037

RE: REQUEST FOR WORK PLAN
Case No. 2011-0065-AA
Exxon R/S No. 27235
1000 Forest Drive, Annapolis
Anne Arundel County, Maryland
Facility I.D. No. 3571

Dear Ms. McBride:

The Oil Control Program recently completed a review of the case file for the above-referenced property, including the *Fourth Quarter 2009 Groundwater Monitoring Repot - January 29, 2010* and the *Phase II Environmental Site Assessment Report - October 26, 2009.* Based on our review, six monitoring wells were installed on-site in July and August 2009. Sample analysis of groundwater from monitoring wells MW-2 and MW-3 detected elevated levels of petroleum constituents. Of note, MW-1 and MW-2 were installed in a deeper zone, and MW-3 through MW-6 were installed in a shallow zone. Historic records indicate a previous petroleum release at this site (*Closed Case No. 92-1414-AA2*).

In comparison of historical and recent groundwater sampling data, it appears there was a more recent release at this station. The site and immediate vicinity are supplied by public water; however, there are drinking water supply wells in the area. Based on the aforementioned findings, the Department hereby requires completion of the following items:

1) **No later than November 1, 2010**, submit a *Work Plan* to further assess impacts in the area of MW-2 and MW-3. The *Work Plan* must include data collected to assess both the vertical and horizontal extent of petroleum contamination.

2) ExxonMobil must complete a historical case review to asses the extent of past petroleum releases versus recent findings.

3) All monitoring wells and tank field monitoring pipes must be **gauged on a monthly basis** for depth-to-groundwater and depth-to-product.

4) Groundwater from the monitoring wells and tank field monitoring pipes must be sampled on a **quarterly basis (every three months)** and analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates, using EPA Method 8260 and for total petroleum hydrocarbons/diesel-range and gasoline-range organics (TPH/DRO and TPH/GRO) using EPA Method 8015B. Appropriate quality assurance and quality control measures must be implemented during the sampling program.

5) Note that wells screened across different aquifers may warrant separate groundwater flow maps (shallow and deep).

6) Provide a sensitive receptor survey that identifies all drinking water wells within a half-mile radius of the site. Identify and plot all wells within one-quarter mile radius on a U.S. Geological Survey topographic map or scaled street map. Annotate on this map the 500-ft., 1,000 ft., and 0.5 mile radii. Provide a written summary on the total depths of these wells, screen depths, and their current status. Submit well completion reports for these wells and evaluate whether on-site conditions could potentially impact any off-site drinking water wells in the area. Written documentation must be provided of your findings and the list of persons contacted.

7) Submit *Quarterly Reports* to the Oil Control Program for our review. All reports must include activities conducted during the quarter, tables of gauging and sampling results, and detailed site maps (i.e., groundwater flow and contaminant concentrations).

Notify the case manager at least five (5) working days prior to conducting any work at this site so we have an opportunity to observe field activities. When submitting documentation to the Oil Control Program, reference the case number (2011-0065-AA) and include two (2) hard copies and a digital copy on a labeled compact disc (CD). If you have any questions, please contact the case manager, Mr. Michael Edillon, at 410-537-4151 (email: medillon@mde.state.md.us) or me at 410-537-3482 (email: ejackson@mde.state.md.us).

Sincerely,

For

Ellen Jackson, Central Region Section Head
Remediation and State-Lead Division
Oil Control Program

MGE/nln

cc: Mr. Mark J. Schaaf (Kleinfelder)
Mr. Marshal Hare (Southside Oil Co.)
Mr. Daniel Berseris (Property Owner)
Ms. Kerry Topovski (Anne Arundel County Health Dept.)
Ms. Ginger D. Klingelhoefer-Ellis (Anne Arundel County DPW)
Mr. Christopher H. Ralston
Mr. Thomas L. Walter
Mr. Horacio Tablada

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 410-537-3092 (fax) 1-800-633-6101, ext. 3442

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Acting Secretary

January 26, 2010

Ms. Jewel Cox
ExxonMobil Environmental Services
Suite 106, #232
1016 West Poplar Avenue
Collierville TN 38017

RE: WORK PLAN APPROVAL
Case No. 2011-0065-AA
Exxon R/S No. 27235
1000 Forest Drive, Annapolis
Anne Arundel County, Maryland
Facility I.D. No. 3571

Dear Ms. Cox:

The Oil Control Program (OCP) recently completed a review of the case file for the above-referenced property, including the *Work Plan for Additional Assessment - November 17, 2010*. The *Work Plan* proposes to conduct a membrane interface probe (MIP) investigation to determine the vertical and horizontal extent of petroleum impacts. Approximately 12 MIP points will be advanced in the area of monitoring wells MW-2 and MW-3. The MIP event will be followed by a direct push event to collect confirmatory soil and groundwater samples. In December 2010, approximately 0.02 foot of liquid phase hydrocarbons (LPH) was detected in MW-3. The Department hereby approves the *Work Plan* contingent upon the following modifications:

1) The MIP investigation must consider historical as well as current potential sources of the petroleum contamination. The MIP probe must be advanced through the shallow and deep water bearing zones for each boring if refusal is not met.

2) Contact the OCP case manager to field mark the MIP points after utility mark out and prior to conducting the work.

3) Prior to conducting the direct push event, ExxonMobil must submit a *Work Plan* that includes the results of the MIP investigation, proposed boring locations, and proposed sampling depths of soil and groundwater.

4) All soil and groundwater generated during site activities must be containerized for proper off-site disposal, in accordance with State and local regulations. All soil and groundwater waste manifests or disposal receipts must be submitted to the Oil Control Program with the *Report of Results*.

5) The Oil Control Program anticipates receiving the *Report of Results* for the MIP/direct push subsurface assessment **no later than April 15, 2011**.

6) Tank field monitoring pipes are not being gauged or sampled, as required in the Department's directive letter dated September 10, 2010. Tank field monitoring pipes must be gauged on a monthly basis and sampled on a quarterly basis.

7) Include well screen intervals in the gauging and monitoring data tables for future reports.

8) Notify the OCP case manager five days prior to conducting any work at this site.

9) When submitting documentation to the Oil Control Program, include three (3) hard copies and a digital copy on a labeled compact disc (CD).

If you have any questions, please contact the case manager, Mr. Michael Edillon, at 410-537-4151 (email: medillon@mde.state.md.us) or me at 410-537-3482 (email: ejackson@mde.state.md.us).

Sincerely,

Ellen Jackson, Central Region Section Head
Remediation and State-Lead Division
Oil Control Program

MGE/nln

cc: Mr. Raymond Montero (Kleinfelder)
Mr. Marshal Hare (Southside Oil Co.)
Ms. Kerry Topovski (Anne Arundel County Health Dept.)
Ms. Ginger D. Klingelhoefer-Ellis (Anne Arundel County DPW)
Mr. Christopher H. Ralston
Mr. Horacio Tablada

MARYLAND DEPARTMENT OF THE ENVIRONMENT
Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 410-537-3092 (fax) 1-800-633-6101, ext. 3442

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Secretary

RECEIVED
MAY 06 2011
BY:

May 4, 2011

Ms. Jewel Cox
ExxonMobil Environmental Services
Suite 106 #232
1016 West Poplar Avenue
Collierville TN 38017

RE: APPROVAL OF WORK PLAN FOR MONITORING WELL INSTALLATION
Case No. 2011-0065-AA
Exxon Facility #27235
1000 Forest Drive, Annapolis
Anne Arundel County, Maryland
Facility I.D. 3571

Dear Ms. Cox:

The Oil Control Program recently completed a review of the *Work Plan for Direct Push Assessment - April 14, 2011* for the above-referenced property. In December 2010, approximately 0.02 foot of liquid phase hydrocarbons (LPH) was detected in MW-3. In March 2011, 12 membrane interface probe (MIP) borings were advanced to delineate and assess subsurface petroleum impacts across the site. The *Work Plan* proposes to conduct a direct push investigation to install seven confirmation soil borings into the shallow water bearing zone. Soil borings will be installed and logged to depths of approximately 35 feet where a more dense soil layer was detected. Soil samples will be collected based on the MIP results and field observations. Temporary wells will be installed in six of the soil borings to collect groundwater samples. The Department hereby approves the proposed *Work Plan* contingent upon the following modifications:

1) Soil and groundwater samples must be analyzed for full-suite volatile organic compounds (VOCs), including fuel oxygenates, using EPA Method 8260 and for total petroleum hydrocarbons/diesel-range and gasoline-range organics (TPH/DRO and TPH/GRO) using EPA Method 8015B.

2) In borings where groundwater is encountered, temporary wells must be installed to assess for the presence of LPH. Screens must extend from the bottom of the boring and span the water table. Temporary wells must remain in place for at least a week and be gauged for depth to product and depth to water prior to proper abandonment. Include the gauging data in the *Report of Results*.

3) Any soil and groundwater generated during site activities must be containerized and properly disposed in accordance with State and local regulations. All soil and groundwater waste manifests or disposal receipts must be submitted to the Oil Control Program with the *Report of Results*.

4) A *Report of Results* for the direct push subsurface assessment is due **no later than August 1, 2011**.

5) As stated in the previous letter dated January 2011, tank field monitoring pipes must be gauged on a monthly basis and sampled on a quarterly basis.

6) Include well screen intervals in the gauging and monitoring data tables for future reports.

7) Notify the case manager at least five (5) days prior to conducting any work at this site.

8) When submitting documentation to the Oil Control Program, include three (3) hard copies and a digital copy on a labeled compact disc (CD).

If you have any questions, please contact the case manager, Mr. Michael Edillon, at 410-537-4151 (email: medillon@mde.state.md.us) or me at 410-537-3482 (email: ejackson@mde.state.md.us).

Sincerely,

Ellen Jackson, Central Region Section Head
Remediation and State-Lead Division
Oil Control Program

MGE/nln

cc: Ms. Jeanine K. Inman (Kleinfelder)
Mr. Marshal Hare (Southside Oil Co.)
Ms. Kerry Topovski (Anne Arundel County Health Dept.)
Ms. Ginger D. Klingelhoefer-Ellis (Anne Arundel County DPW)
Mr. Christopher H. Ralston
Mr. Horacio Tablada

Appendix B
Soil Boring Logs and Monitoring Well Construction Diagrams

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-1

Client: ExxonMobil
Project Location: 1000 Forest Drive, Annapolis MD
Project Name: Annapolis 27235
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7/24/09 **End:** 8/6/09
Logged By: H.K. Haase
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 103.42
Total Depth (ft.): 60
Depth to Initial Water Level (ft. BGS): 16
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 103.42 ft.
									Ground Surface
					CL	0'-2': Dry, green, CLAY, some sand.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	0.4		6/6		2'-4': Dry, brown with green mottling, CLAY, some sand.			
HA	S-2	3.4		6/6		4'-6': Same as above.		5	
HA	S-3	0.0		6/6		6'-8': Dry, brown and green, CLAY, some sand.			
HA	S-4	0.0		6/6					
SS	S-5	2.5	3 4 10 6	24/20	SW	8'-10': Moist, medium dense, reddish brown and olive gray mottled, coarse to fine SAND.		10	Cement grout (1'-41')
SS	S-6	1.7	3 6 7 7	24/20	SP	10'-12': Moist, medium dense, reddish brown and olive gray mottled, fine SAND.			
SS	S-7	1.3	4 5 6 4	24/5		12'-14': Moist, medium dense, olive gray, fine SAND.			
SS	S-8	0.7	2 4 4 4	24/9	SM/ML	14'-16': Moist, loose, reddish brown and olive gray, SAND and SILT.		15	
SS	S-9	1.4	2 2 2 1	24/24	ML	16'-18': Wet, soft to medium stiff, olive gray, SILT.			
SS	S-10	1.1	2 3 11 11	24/21	CL SW	18'-19': Wet, stiff, olive gray, CLAY, some silt. 19'-20': Moist, medium dense, reddish			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
AH - Air Hammer
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 52-54' BGS.

BGS: below ground surface
NM: not measured

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE

CDM

50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL

MW-1

Client: ExxonMobil

Project Name: Annapolis 27235

Project Location: 1000 Forest Drive, Annapolis MD

Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
SS	S-11	0.8	6 8 10 9	24/24	CL SP	brown, coarse to fine SAND. 20'-20.5': Moist, medium stiff, olive gray, CLAY, some silt.		20	
SS	S-12	1.0	2 9 11 11	24/12	SM	20.5'-21.75': Moist, medium dense, yellow and reddish brown, coarse SAND. 21.75'-22': Moist, medium dense, reddish brown, coarse SAND.			
SS	S-13	0.7	4 5 7 10	24/24	SM/ML	22'-24': Moist, medium dense, reddish brown, fine SAND, some silt.		25	
SS	S-14	0.8	9 16 19 18	24/16		24'-26': Moist, medium dense, reddish brown, fine SAND and SILT. 26'-28': Moist, dense, reddish brown, fine SAND and SILT.			
SS	S-15	0.3	7 10 12 12	24/16	SP	28'-30': Moist, medium dense, olive gray, fine SAND.		30	2" PVC riser (0'-45')
SS	S-16	0.4	2 6 9 12	24/24	SM	30'-32': Moist, medium dense, olive gray, fine SAND, some silt.			
SS	S-17	0.1	9 14 19 17	24/12	SP	32'-34': Moist, medium dense, olive gray, fine SAND.			
SS	S-18	0.2	4 9 10 16	24/22	SP	34'-36': Moist, medium dense, dark olive gray, medium SAND.		35	
SS	S-19	0.6	11 11 22 26	24/24		36'-38': Moist, medium dense, reddish brown and olive gray mottled, medium SAND.			
SS	S-20	0.9	8 12 15 18	24/20		38'-40': Moist, medium dense, olive gray, medium SAND.		40	
SS	S-21	0.4	6 14 18 21	24/22		40'-42': Moist, dense, dark olive gray, medium SAND.			Bentonite seal (41'-43')
SS	S-22	0.1	17 21 24 22	24/20		42'-44': Same as above.			#1 Silica Sand (43'-60')
SS	S-23	0.7	8 12 16 16	24/21		44'-46': Moist, medium dense, dark olive gray, medium SAND.		45	2" PVC 10 Slot screen (45'-55')
SS	S-24	0.1	13 17 18 18	24/22		46'-48': Moist, dense, dark olive gray, medium SAND.			
SS	S-25	0.2	6 10 11 9	24/21		48'-50': Moist, medium dense, reddish brown and olive gray mottled, medium SAND.		50	
SS	S-26	1.3	3 20 50 19	24/24	SP	50'-51': Moist, very dense, dark olive gray, coarse SAND. 51'-52': Moist, very dense, light gray, WEATHERED ROCK.			
SS	S-27	1.4	15 14 12 50/3"	21/20	SP	52'-54': Moist, very dense, olive gray to reddish brown, medium SAND.			
SS	S-28	NM	50/4"	4/2		54'-54.3': Moist, very dense, light gray, WEATHERED ROCK.		55	Well bottom at 55' BGS.
						54.3'-60': Augered to 60' BGS without sampling. Bottom of exploration at 60' BGS.			

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-2

Client: ExxonMobil
Project Location: 1000 Forest Drive, Annapolis MD
Project Name: Annapolis 27235
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7-25-09 **End:** 8/11/09
Logged By: H.K. Haase
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 104.67
Total Depth (ft.): 70
Depth to Initial Water Level (ft. BGS): 65
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 104.67 ft. *Ground Surface*
					CL	0'-1.5': Dry, CLAY.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	0.0		6/6	SP	1.5'-2': Dry, SAND.			
					SP	2'-5.5': Dry, SAND, some clay.			
HA	S-2	0.0		6/6					
								5	
HA	S-3	0.0		6/6	CL	5.5'-6': Dry, green, CLAY.			
					CL	6'-8': Dry, green, CLAY, some sand.			
HA	S-4	0.0		6/6					
SS	S-5	0.0	4 8 9 10	24/21	SP	8'-10': Moist, medium dense, olive gray, medium SAND.			
SS	S-6	0.0	2 8 10 9	24/22		10'-12': Moist, medium dense, brownish yellow, medium SAND.		10	Cement grout (1'-56')
SS	S-7	0.0	9 9 12 10	24/24		12'-14': Moist, medium dense, olive gray and brownish, yellowish, reddish mottled, fine SAND.			
SS	S-8	0.0	2 2 2 3	24/24	SC/CL	14'-16': Moist, soft, olive gray, SAND and CLAY, some silt.		15	
SS	S-9	34.7	2 3 3 3	24/24	CL	16'-18': Moist, medium stiff, olive gray, CLAY, some silt.			
SS	S-10	334	3 5 9 8	24/18	SP	18'-20': Moist, medium dense, olive gray to reddish brown, medium SAND.			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- AH - Air Hammer
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 44-46' BGS.

BGS: below ground surface
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-2

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description
SS	S-11	220	WOH 6 8 7	24/20	CL	20'-21.75': Moist, stiff, greenish olive gray, CLAY, some silt.
SS	S-12	41.6	3 6 8 9	24/21	SP	21.75'-22': Moist, medium dense, reddish brown, medium SAND. 22'-24': Moist, medium dense, reddish brown and olive gray, medium SAND.
SS	S-13	53.4	5 12 11 9	24/24	CL SP	24'-25': Moist, very stiff, olive gray, CLAY, some silt. 25'-26': Moist, medium dense, reddish brown, coarse SAND.
SS	S-14	241	8 14 17 16	24/23	CL	26'-28': Moist, hard, reddish brown, CLAY, some silt.
SS	S-15	268	5 7 10 11	24/23		28'-29': Moist, very stiff, olive gray, CLAY, some silt.
SS	S-16	35.5	5 10 12 16	24/21	SP	29'-30': Moist, medium dense, olive gray, medium SAND. 30'-32': Moist, medium dense, dark olive gray, medium SAND.
SS	S-17	104	11 14 14 15	24/16		32'-34': Moist. medium dense, olive gray, medium SAND.
SS	S-18	43	6 14 16 19	24/22	CL SP	34'-35': Moist, very stiff to hard, olive gray, CLAY, some silt. 35'-36': Moist, medium dense to dense, reddish brown, medium SAND.
SS	S-19	80	12 20 28 25	24/22		36'-38': Moist, dense, reddish brown, medium SAND.
SS	S-20	118	9 14 16 19	24/22		38'-40': Moist, medium dense to dense, reddish brown, medium SAND.
SS	S-21	106	14 22 24 22	24/22		40'-42': Moist, dense, dark olive gray, medium SAND.
SS	S-22	100	11 17 19 20	24/10	CL	42'-44': Moist, hard, olive gray, CLAY, some silt.
SS	S-23	326	9 14 16 12	24/23	SP	44'-46': Moist, medium dense to dense, olive gray, medium SAND.
SS	S-24	219	16 17 19 18	24/22		46'-48': Moist, dense, olive gray, medium SAND.
SS	S-25	186	10 9 10 9	24/20		48'-50': Moist, medium dense, reddish brown, medium SAND.
SS	S-26	239	9 18 46 50/3"	21/21		50'-52': Moist, very dense, olive gray, coarse SAND.
						52-70': Augered to 70' BGS without sampling.

Graphic Log / Elev. Depth (ft.): 20, 25, 30, 35, 40, 45, 50, 55

Well Construction Detail:
- 2" PVC riser (0'-60')
- Bentonite seal (56'-58')
- #1 Silica Sand (58'-70')

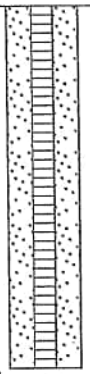
BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

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Cambridge, MA 02139

MONITORING WELL DETAIL
MW-2

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
						52-70': Augered to 70' BGS without sampling.		60	2" PVC 10 Slot screen (60'-70')
								65	
						Bottom of exploration at 70' BGS.		70	Well bottom at 70' BGS.
								75	
								80	
								85	
								90	
								95	



BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

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MONITORING WELL DETAIL
MW-3

Client: ExxonMobil
Project Location: 1000 Forest Drive, Annapolis MD
Project Name: Annapolis 27235
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7/24/09 **End:** 8/20/09
Logged By: L. Goodman, H.K. Haase, D. Forbes
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 101.31
Total Depth (ft.): 22
Depth to Initial Water Level (ft. BGS): 17
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 101.31 ft.
									Ground Surface
					ASPHALT	0'-1.5': Asphalt, roadbase, concrete.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1')
HA	S-1	79.8		6/6	CL	1.5'-2': Dry, dark gray, CLAY.			2" PVC riser (0'-12')
					CL	2'-4': Dry, dark gray, CLAY, some sand.			
HA	S-2	543		6/6					
					SP	4'-6': Dry, SAND.		5	Cement grout (1'-8')
HA	S-3	1543		6/6					
						6'-8': Moist, olive gray, fine SAND.			
HA	S-4	1254		6/6					
SS	S-5	136	5 7 9 9	24/22	SC/CL	8'-10': Moist, medium dense, reddish brown and green mottled, fine SAND and CLAY.			Bentonite seal (8'-10')
SS	S-6	0.0	3 5 7 8	24/21	SW	10'-12': Moist, medium dense, greenish gray and reddish brown mottled, medium to fine SAND.		10	#1 Silica Sand (10'-23')
SS	S-7	472	7 8 9 8	24/24	SP	12'-14': Moist, medium dense, greenish gray and reddish brown mottled, fine SAND.			2" PVC 10 Slot screen (12'-22')
SS	S-8	0.0	4 3 5 5	24/21		14'-16': Moist, loose, greenish gray and reddish brown mottled, fine SAND.		15	
						16'-17': No soil information provided.			
SS	S-9	21	2 4 3 4	24/20	SM	17'-18.5': Wet, loose, brown, fine SAND, some silt, trace clay.			
			2 1		CL	18.5'-19': Wet, medium stiff, grayish green, CLAY, some silt.			

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- AH - Air Hammer
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical samples collected from 6-6.5' BGS and 14-16' BGS.

BGS: below ground surface
NM: not measured

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE

CDM

50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL

MW-3

Client: ExxonMobil

Project Name: Annapolis 27235

Project Location: 1000 Forest Drive, Annapolis MD

Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
SS	S-10	17	2 3	24/18		19'-21': Wet, soft, grayish green, CLAY, some silt, trace sand.		20	
SS	S-11	NM	2 3 3 2	24/18		21'-23': Wet, medium stiff, grayish green, CLAY, some silt, trace sand. Bottom of exploration at 22' BGS.			Well bottom at 22' BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

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MONITORING WELL DETAIL
MW-4

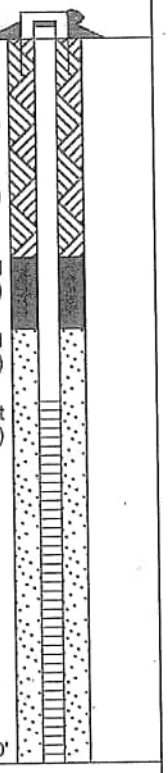
Client: ExxonMobil
Project Location: 1000 Forest Drive, Annapolis MD
Project Name: Annapolis 27235
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: **Start:** 7/24/09 **End:** 8/13/09
Logged By: H.K. Haase
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 99.27
Total Depth (ft.): 20
Depth to Initial Water Level (ft. BGS): 13.5
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)
					ASPHALT	T0'-0.5': Asphalt.		0
					CL	0.5'-4': Dry, dark, CLAY, some sand.		
HA	S-1	3.2		6/6				
HA	S-2	0.0		6/6				
					SP	4'-8': Dry, dark gray, SAND, some clay.		5
HA	S-3	0.0		6/6				
HA	S-4	0.0		6/6				
SS	S-5	6.4	4 5	12/11	CL	8'-9': Moist, medium stiff, olive gray, CLAY, some silt.		
SS	S-6	2.4	2 3 3 7	24/22		9'-11': Same as above.		10
SS	S-7	0.6	5 5 7 7	24/24		11'-13': Moist, stiff, olive gray, CLAY, some silt, little sand.		
SS	S-8	3.4	2 2 2 2	24/21	SP	13'-13.5': Moist, soft to medium stiff, olive gray, CLAY, some silt, little sand.		
SS	S-9	NM	WOH 2 1 2	24/20		13.5'-15': Wet, very loose to loose, brownish yellow, medium SAND. 15'-17': Wet, very loose, yellowish brown, medium SAND.		15
SS	S-10	NM	3 2 3 4	24/24		17'-19': Wet, loose, yellowish brown, medium SAND.		
						Bottom of exploration at 20' BGS.		

Well Construction Detail



EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
HSA - Hollow Stem Auger
SSA - Solid Stem Auger
HA - Hand Auger
AR - Air Rotary
AH - Air Hammer
DTR - Dual Tube Rotary
FR - Foam Rotary
MR - Mud Rotary
RC - Reverse Circulation
CT - Cable Tool
JET - Jetting
D - Driving
DTC - Drill Through Casing

SAMPLING TYPES:
AS - Auger/Grab Sample
CS - California Sampler
BX - 1.5" Rock Core
NX - 2.1" Rock Core
GP - Geoprobe
HP - Hydro Punch
SS - Split Spoon
ST - Shelby Tube
WS - Wash Sample
OTHER:
AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 5-7' BGS.

BGS: below ground surface
NM: not measured
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-4

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								20	BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
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Cambridge, MA 02139

MONITORING WELL DETAIL
MW-5

Client: ExxonMobil
Project Location: 1000 Forest Drive, Annapolis MD
Project Name: Annapolis 27235
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7/23/09 **End:** 8/19/09
Logged By: D. Forbes
Field Screening Instrument: PID:MultiRAE
Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 100.38
Total Depth (ft.): 20
Depth to Initial Water Level (ft. BGS): 12
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Elev. Depth (ft.)
							0
						ASPHALT 0'-0.5': Asphalt CONCRETE 0.5'-1.5': Concrete	
HA	S-1	0.8		6/6	CL	1.5'-4': Dry, green, CLAY, some sand.	
HA	S-2	0		6/6			
					SP	4'-8': Moist, green, SAND, some clay.	5
HA	S-3	0		6/6			
HA	S-4	0		6/6			
SS	S-5	1.1	2 3	12/4	CL	8'-9': Moist, soft, olive gray, CLAY, some silt. 9'-11': No sample recovery.	
SS	S-6	NM	4 5 5 7	24/0			10
SS	S-7	0.9	5 7 7 7	24/22		11'-12': Moist, stiff, olive gray, CLAY, some silt.	
					SW	12'-13': Wet, medium dense, reddish brown, medium to fine SAND.	
SS	S-8	NM	2 3 3 2	24/24	SM	13'-15': Wet, loose, brown, fine SAND, some silt, trace clay.	
SS	S-9	NM	WOH WOH 2 3	24/24		15'-17': Wet, very loose, brown, fine SAND, some silt, trace clay.	15
SS	S-10	NM	WOH 3 5 5	24/24		17'-19': Wet, very loose, grayish green, fine SAND, some silt, clay.	
						Bottom of exploration at 20' BGS.	

Well Construction Detail:
- Protective Casing
- Top of Riser @ 100.38 ft.
- Ground Surface
- 2'x2' concrete pad w/rebar and 8" cover (0'-1')
- 2" PVC riser (0'-10')
- Cement grout (1'-6')
- Bentonite seal (6'-8')
- #1 Silica Sand (8'-20')
- 2" PVC 10 Slot screen (10'-20')
- Well bottom at 20'

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- AH - Air Hammer
- DTR - Dual Tube Rotary
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- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected from 7-9' BGS.

BGS: below ground surface
NM: not measured
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

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50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-5

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								20	BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
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Cambridge, MA 02139

MONITORING WELL DETAIL
MW-6

Client: ExxonMobil
Project Location: 1000 Forest Drive, Annapolis MD

Project Name: Annapolis 27235
Project Number: Site ID: 27235

Drilling Contractor: Eichelbergers
Drilling Method/Rig: HS-Auger/Truck mounted
Drillers: J. Mehalick, T. Brennan, B. Trimble
Drilling Date: Start: 7/23/09 **End:** 8/21/09
Logged By: D. Forbes
Field Screening Instrument: PID:MultiRAE

Surface Elevation (ft.): NM
Top of PVC Riser Elevation (ft.): 102.29
Total Depth (ft.): 20
Depth to Initial Water Level (ft. BGS): 9.5
Development Method: Surge & Purge

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
									Protective Casing Top of Riser @ 102.29 ft. *Ground Surface*
HA	S-1	1.4		6/6	CL	0'-4': Dry, dark green, CLAY.		0	2'x2' concrete pad w/rebar and 8" cover (0'-1') 2" PVC riser (0'-10')
HA	S-2	0		6/6		4'-8': Dry, green, CLAY, some sand.		5	Cement grout (1'-6')
HA	S-3	0		6/6					Bentonite seal (6'-8')
HA	S-4	0		6/6					
SS	S-5	0	2 3	12/8		8'-9': Moist to wet, soft to medium stiff, grayish green, CLAY, some silt, trace sand.			#1 Silica Sand (8'-20')
SS	S-6	0	2 4 4 6	24/24		9'-9.5': Moist to wet, medium stiff to stiff, grayish green, CLAY, some silt, trace sand.		10	2" PVC 10 Slot screen (10'-20')
SS	S-7	NM	3 5 5 5	24/22	SM	9.5'-11': Wet, medium stiff to stiff, grayish green, CLAY, some silt, little sand.			
SS	S-8	NM	2 3 2 4	24/24		11'-13': Moist to wet, loose to medium dense, brown to grayish green, fine SAND, some silt, little clay.			
SS	S-9	NM	WOH 3 4 4	24/24		13'-15': Moist to wet, loose, grayish green to brown, fine SAND, some silt, little to trace clay.		15	
SS	S-10	NM	2 4 4 3	24/24		15'-17': Wet, loose, grayish green, fine SAND, some silt, little clay. 17'-19': Same as above.			
						Bottom of exploration at 20' BGS.			Well bottom at 20'

EXPLANATION OF ABBREVIATIONS

DRILLING METHODS:
- HSA - Hollow Stem Auger
- SSA - Solid Stem Auger
- HA - Hand Auger
- AR - Air Rotary
- AH - Air Hammer
- DTR - Dual Tube Rotary
- FR - Foam Rotary
- MR - Mud Rotary
- RC - Reverse Circulation
- CT - Cable Tool
- JET - Jetting
- D - Driving
- DTC - Drill Through Casing

SAMPLING TYPES:
- AS - Auger/Grab Sample
- CS - California Sampler
- BX - 1.5" Rock Core
- NX - 2.1" Rock Core
- GP - Geoprobe
- HP - Hydro Punch
- SS - Split Spoon
- ST - Shelby Tube
- WS - Wash Sample

OTHER:
- AGS - Above Ground Surface

REMARKS

-Vacuum cleared to 8' BGS per ExxonMobil subsurface clearance protocol.
-Analytical sample collected at 7' BGS.

BGS: below ground surface
NM: not measured
WOH: weight of hammer

Reviewed by: Jill Greene **Date:** 9-29-09

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

CAMP DRESSER & McKEE
CDM
50 Hampshire Street
Cambridge, MA 02139

MONITORING WELL DETAIL
MW-6

Client: ExxonMobil
Project Name: Annapolis 27235
Project Location: 1000 Forest Drive, Annapolis MD
Project Number: Site ID: 27235

Sample Type	Sample Number	Field Instrument Reading (ppm)	Blows per 6 Inches	Sample Recovery (inches)	Stratum Designation	Material Description	Graphic Log	Elev. Depth (ft.)	Well Construction Detail
								20	BGS.
								25	
								30	
								35	
								40	
								45	
								50	
								55	

BEEBE MW LOG SITE 27235.GPJ CDM_MA.GDT 9/29/09

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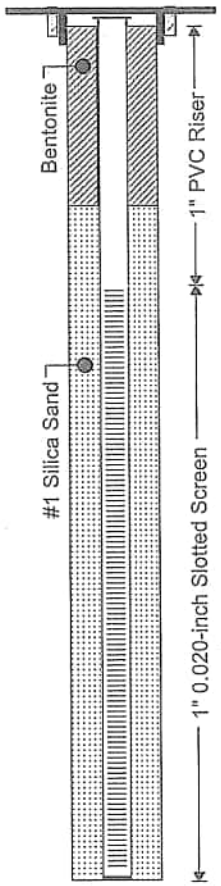
BORING LOG
Boring No. SB-1 / TW-1

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-2-11
End Date: 6-2-11
Total Hole Depth: 22 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): DRY
Water Level (Static): DRY
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
1		***Asphalt***				1
2		***Fill*** Cobbles and fill, loose, wet		0.0		2
3		***SM*** Silty SAND, green, wet, roots and wood pieces present				3
4				0.0		4
5		***SM*** Silty SAND, green-brown, wet, soft		1.5		5
6						6
7		***SM*** Silty SAND, green-brown, moist		31.8		7
8						8
9		***SP-SM*** Medium SAND with little silt, green-brown, moist, firm		991		9
10						10
11			SB-1 (10-12)	1339		11
12						12
13		***SP-SM*** Medium SAND with little silt, green-brown, moist, soft		1327		13
14		***SP-SM*** Medium SAND with little silt, green, moist, soft		62.7		14
15						15
16		***CL-ML*** Silty CLAY with fine sand, green, moist, very soft		4.8		16
17						17
18				8.2		18
19		***SC*** Clayey SAND, green, moist to wet, soft	SB-1 (18-20)	922		19
20						20
21		***SW*** Well-graded SAND with little gravel, brown-green, moist to wet	SB-1 (20-22)	13.8		21
22						22
23		End of Borehole				23
24						24
25						25
26						26
27						27
28						28
29						29
30						30



PID - Photoionization Detector
NA - Not Applicable
NS - Not Sampled
NM - Not Measured
MU - Meter Units
PP - Pocket Penetrometer Reading (tons/sq. foot)

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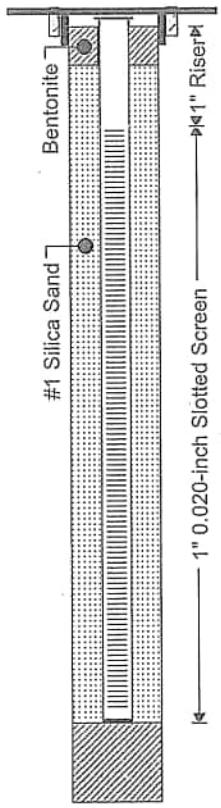
BORING LOG
Boring No. SB-2 / TW-2

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-3-11
End Date: 6-3-11
Total Hole Depth: 20 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): DRY
Water Level (Static): DRY
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
0–1		***Grass / Topsoil***				
1–4		***SP*** Medium SAND, dark brown, damp to moist		0.0		
4–6		***SP*** Medium SAND, light brown, damp to moist		1.0 117		
6–10		***SM*** Silty SAND, brown, moist, firm		20.7 10.1		
10–16		***SM*** Silty SAND, brown-green, moist, firm		54.1 7.3 8.3 0.0		
16–18		***SC*** Clayey SAND, green, moist, medium soft		0.0		
18–20		***SM*** Silty SAND, green, moist	SB-2 (18-20)	2149		
20		End of Borehole				20



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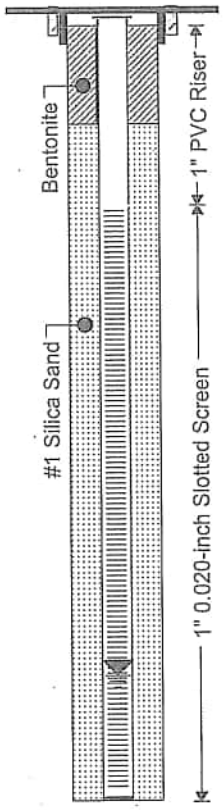
BORING LOG
Boring No. SB-3 / TW-3

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-3-11
End Date: 6-3-11
Total Hole Depth: 20 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): NA
Water Level (Static): 16.84 feet
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
0		***Grass / Topsoil***				0
1		***SM*** Silty SAND, dark green, damp, firm				1
2				0.0		2
3						3
4		***SP*** Medium SAND, dark brown, moist		1.0		4
5				3.1		5
6		***SM*** Silty SAND, green-brown, moist				6
7				0.0		7
8						8
9		***SM*** Silty SAND, green, moist to wet		0.0		9
10				0.0		10
11		***SM*** Silty SAND, green, wet to saturated				11
12				0.0		12
13						13
14		***SP*** Medium SAND with little silt, brown to green, wet	SB-3 (13-15)	1402		14
15				1043		15
16						16
17		***SP*** Medium SAND with little silt, brown to green, moist		1313		17
18						18
19		***SC*** Clayey SAND, green, moist, soft	SB-3 (18-20)	2834		19
20		End of Borehole				20
21						21
22						22
23						23
24						24
25						25
26						26
27						27
28						28
29						29
30						30



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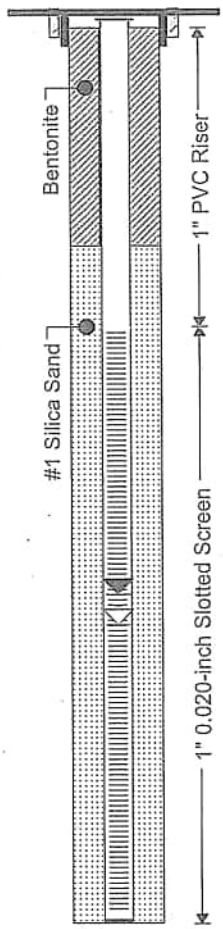
BORING LOG
Boring No. SB-4 / TW-4

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-2-11
End Date: 6-2-11
Total Hole Depth: 23 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): 15.5 feet
Water Level (Static): 14.73 feet
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
0		***Asphalt***				0
1		***SM*** Silty SAND, dark green, damp				1
2				12.4		2
3						3
4		***SM*** Silty SAND with clay, dark green, damp		749		4
5		***SP*** Medium SAND, light green, loose, damp		2817		5
6						6
7		***SP*** Medium SAND, light green, loose, moist to wet		2036		7
8						8
9		***SM*** Silty SAND, green to brown, moist	SB-4 (8-10)	3193		9
10		***SP*** Medium SAND, brown, wet, loose		2133		10
11						11
12		***SM*** Silty SAND, brown to green, moist to wet, firm		889		12
13						13
14				1209		14
15						15
16		Wet to saturated at 15.5 feet		1877		16
17		***SP*** Medium SAND, brown, saturated, soft		1795		17
18						18
19			SB-4 (18-20)	3664		19
20		***SP*** Medium SAND, brown, moist, firm		3228		20
21						21
22		***ML-CL*** SILT and CLAY, green, soft, moist to wet		1925		22
23		***SC*** Clayey fine SAND, green, soft, moist				23
24		End of Borehole				24
25						25
26						26
27						27
28						28
29						29
30						30



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NM - Not Measured
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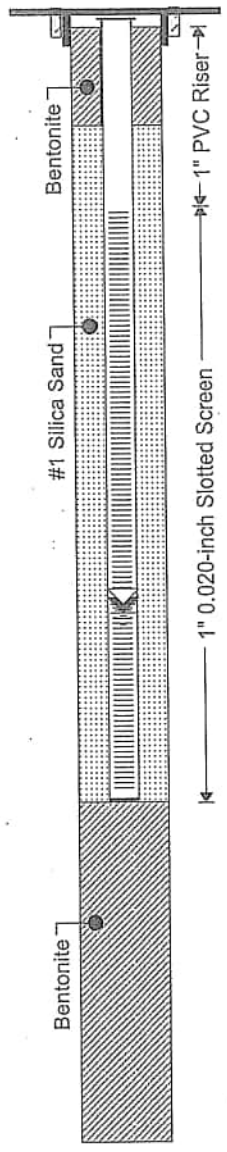
BORING LOG
Boring No. SB-5 / TW-5

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-2-11
End Date: 6-2-11
Total Hole Depth: 28.5 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): 15 feet
Water Level (Static): 15.22 feet
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
0		***Asphalt***				0
1		***SM*** Silty SAND, dark green, damp				1
2				2.5		2
3						3
4		***SP-SM*** Medium SAND and silt, olive green, damp, loose		32.8		4
5						5
6		***SP*** Medium SAND, olive green, damp, loose		2195		6
7			SB-5 (7-8)	3178		7
8		***SM*** Silty SAND, green-brown, damp				8
9		***SP-SM*** Medium SAND and silt, brown-green, damp, firm		2178		9
10				2674		10
11		***SM*** Silty SAND, brown-green, moist		2525		11
12						12
13		***SM*** Silty SAND, brown, moist		2572		13
14						14
15		***SM*** Silty SAND, green-brown, saturated		3256		15
16						16
17		***SP*** Medium SAND, brown, wet		2047		17
18						18
19			SB-5 (18-20)	2304		19
20		***ML-CL*** SILT and CLAY, green, wet, soft		2406		20
21						21
22						22
23				2635		23
24		***SW*** Well-graded SAND, brown, damp		2446		24
25						25
26		***SW*** Well-graded SAND, red-brown, damp		2828		26
27						27
28		Probe refusal at 28.5 feet	SB-5 (27-28.5)	2737		28
29		End of Borehole				29
30						30



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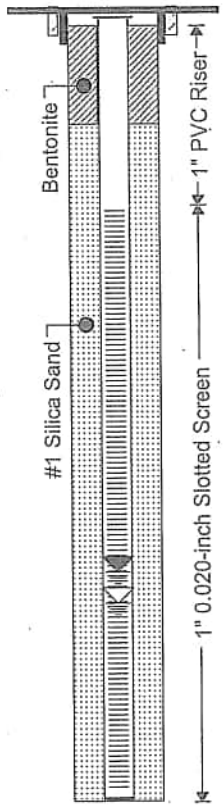
BORING LOG
Boring No. SB-6 / TW-6

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-2-11
End Date: 6-2-11
Total Hole Depth: 20 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): 15 feet
Water Level (Static): 14.22 feet
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
0		***Asphalt***				0
1		***SM*** Silty SAND, dark green, damp				1
2				3.7		2
3						3
4		***SP*** Medium SAND with little silt, olive green, moist		1715		4
5			SB-6 (5-6)	3864		5
6		***SM*** Silty SAND, brown-green, damp, firm		2127		6
7						7
8						8
9				1518		9
10		***SP-SM*** Medium SAND with little silt, brown, damp				10
11				1989		11
12						12
13				1893		13
14			SB-6 (13-15)	1425		14
15		Wet at 15 feet		1736		15
16		***SP*** Medium SAND, brown, saturated				16
17				2301		17
18						18
19		***SC*** Clayey SAND, green, saturated		1776		19
20		End of Borehole				20
21						21
22						22
23						23
24						24
25						25
26						26
27						27
28						28
29						29
30						30



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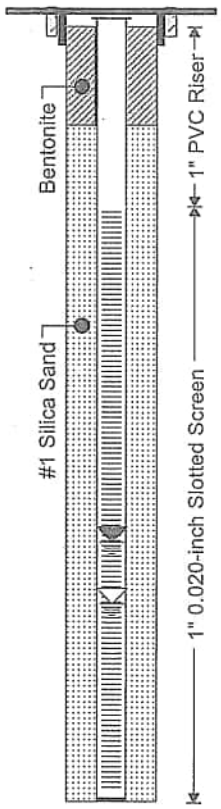
BORING LOG
Boring No. SB-7 / TW-7

Project Name: Southside Facility # 27235
Site Location: 1000 Forest Dr., Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Z. Hoppes
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push
Sampling Method: 5 foot Macrocore

Start Date: 6-2-11
End Date: 6-2-11
Total Hole Depth: 20 feet
Hole Diameter: 3.25 inches
Depth to Bedrock: Not encountered
Surface Elevation: NA
Water Level (Initial): 15.5 feet
Water Level (Static): 13.45 feet
Logged By (Geol.): JG

Permit No.: AA-95-5836
License No.: JGD087
Checked By: BB
Notes: Airknife to 5 feet on 6-1-11

SUBSURFACE PROFILE			SAMPLE			
Depth (feet)	Graphic Log	Soil/Geologic Description (Unified Soil Classification System)	Sample ID	PID (ppm)	Well Construction	Depth (feet)
0		Ground Surface				0
0		***Asphalt***				0
1		***SM*** Silty SAND with fine gravel, dark green, damp				1
2				2.0		2
3						3
4		***SP*** Medium SAND, olive green, dry, loose		2.5		4
5				393		5
6		***SM*** Silty SAND, green to brown, damp, firm				6
7				241		7
8						8
9				611		9
10						10
11				546		11
12				216		12
13		***SM*** Silty SAND, green to brown, moist, firm				13
14				1399		14
15		***SP*** Medium SAND, brown, saturated				15
16				32.7		16
17						17
18				16.3		18
19						19
20		***SP*** Medium SAND, green, saturated		133		20
20		End of Borehole				20
21						21
22						22
23						23
24						24
25						25
26						26
27						27
28						28
29						29
30						30



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Appendix C
Columbia Technologies MIP Report

COLUMBIA TECHNOLOGIES

SmartData Solutions®

Subsurface Characterization Using Membrane Interface Probe (MIP) and Soil Conductivity (SC) Technologies Southside 27235 1000 Forest Drive Annapolis, Maryland 21401

PREPARED FOR

Kleinfelder
1340 Charwood Road
Suite 1
Hanover, Maryland 21076

May 12, 2011

PREPARED BY

COLUMBIA Technologies, LLC
1448 South Rolling Rd.
Baltimore, Maryland 21227
410-536-9911
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Investigation Methods 5
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Delineation 6
3-Dimensional Orientation 7

FIGURES

Figure 1.... Sitemap and Locations

Figure 2.... Maximum PID Response

Figure 3.... Plan View, PID Response >1.0E+07uV

Figure 4.... Oblique View Relative Azimuth 195°, Looking Northeast, PID Response >1.0E+07uV

Figure 5.... Transect View Relative Azimuth 180°, Looking North, PID Response >1.0E+07uV

Figure 6.... Transect View Relative Azimuth 270°, Looking East, PID Response >1.0E+07uV

Figure 7.... Maximum FID Response

Figure 8.... Plan View, FID Response >1.0E+08uV

Figure 9.... Oblique View Relative Azimuth 195°, Looking Northeast, FID Response >1.0E+08uV

Figure 10.. Transect View Relative Azimuth 180°, Looking North, FID Response >1.0E+08uV

Figure 11.. Transect View Relative Azimuth 270°, Looking East, FID Response >1.0E+08uV

APPENDICES

Appendix A: MIP Logs (Individual Scale)

Appendix B: MIP Logs (Collective Scale)

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Introduction

Kleinfelder (Kleinfelder) contracted **COLUMBIA Technologies, LLC (COLUMBIA)** to conduct an investigation of subsurface contamination at the Southside 27235 site, located in Annapolis, Maryland. This investigation involved delineating the depth and horizontal extent of total volatile organic compound (VOC) contamination distribution, including dissolved phase, vapor phase and sorbed phase, using Membrane Interface Probe (MIP) technology and characterizing soil electrical conductivity using Soil Conductivity (SC) technology.

The investigation was conducted March 15, 2011 through March 17, 2011, and consisted of ten MIP/SC locations to depths ranging from approximately 51.75 feet to 58.00 feet below ground surface (bgs). A Geoprobe® Direct Push Technology (DPT) drilling rig was used to advance the locations.

Objectives

The objectives of the MIP/SC investigation were to:

- Delineate in high resolution the vertical and horizontal extent of the total VOC contamination distribution, including dissolved phase, vapor phase and sorbed phase, throughout the investigation area as well as detailed information concerning soil electrical conductivity properties.
- Develop two-dimensional (2D) and three-dimensional (3D) graphical visualizations of the collected data to facilitate and better understanding of the contaminant distribution the location and depths for future field activities, including sampling, well installations, and remediation remedies.

MIP/SC Equipment Description

The MIP/SC probe is approximately 12-inches (30 cm) in length and 1.5-inches (3.8 cm) in diameter. The probe is driven into the ground at the nominal rate of one foot per minute using a DPT rig.

Soil conductivity, the inverse of soil resistivity, is measured using a dipole arrangement. In this process, an alternating electrical current is transmitted through the soil from the center, isolated pin of the probe. This current is then passed back to the probe body. The voltage response of the imposed current to the soil is measured across these same two points. Conductivity is measured in Siemens/meter, and due to the low conductivity of earth materials, the SC probe uses milliSiemens/meter (mS/m). The probe is reasonably accurate in the range of

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5 to 400 mS/m. In general, at a given location, lower conductivity values are generally characteristic of larger particles such as sands, while higher conductivities are characteristic of finer sized particles such as silts and clays.

The MIP portion of the probe was developed and patented by Geoprobe Systems, Inc. The operating principle is based on heating the soil and/or water around a semi-permeable polymer membrane to 121°C, which allows VOCs to partition across this membrane. The MIP can be used in saturated or unsaturated soils, as water does not pass through the membrane. Nitrogen is used as an inert carrier gas, and travels from a surface supply down a transfer tubing which sweeps across the back of the membrane and returns any captured VOCs to the installed detectors at the surface. It takes approximately 37 seconds for the nitrogen gas stream to travel through 100 feet of inert tubing and reach the detectors.

COLUMBIA utilizes three detectors: a Photo Ionization Detector (PID), a Flame Ionization Detector (FID) and an Electron Capture Detector (ECD), mounted on a laboratory grade Shimadzu Model 14A gas chromatograph. The output signal from the detectors is captured by a MIP data logging system installed on a MIP Field Computer or laptop computer. Conductivity, speed, detector data and temperature are displayed continuously in real time during each push of the probe.

The PID detector consists of a special UV lamp mounted on a thermostatically controlled, low volume, flow-through cell. The temperature is adjustable from ambient temperature to 250°C. The 10.2 electron volt (eV) UV lamp emits energy at a wavelength of 120 nanometers, which is sufficient to ionize most aromatics (benzene, toluene, xylene, etc.) and many other molecules (e.g. H_2S, hexane, ethanol) whose ionization potential is below 10.2 eV. The PID also emits a lower response for chlorinated compounds such as TCE and PCE. Methanol and water, which have ionization potentials greater than 10.2 eV, do not respond on the PID. Detection limits for aromatics are in the low picogram range at the detector. Since the PID is non-destructive, it is often run first in series with other detectors for multiple analyses from a single injection. Use of the PID is mandated in several EPA methods (8021, TO-14 etc.) because of its sensitivity and selectivity.

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The most commonly used GC detector is the FID, which responds linearly over several orders of magnitude from its minimum detectable quantity of about 100 picograms. The FID response is very stable from day to day. This detector responds to any molecule with a carbon-hydrogen bond, but poorly to compounds such as H_2S, CCl_4, or NH_3. The carrier gas effluent from the GC column is mixed with hydrogen and burned. Hydrogen supports a flame and ionizes the analyte molecules. A collector electrode attracts the negative ions to the electrometer amplifier, producing an analog signal, which is directed to the data system input.

The ECD detector consists of a sealed stainless steel cylinder containing radioactive Nickel-63. The Nickel-63 emits beta particles (electrons), which collide with the carrier gas molecules, ionizing them in the process. This forms a stable cloud of free electrons in the ECD cell. When electro-negative compounds (especially chlorinated, fluorinated or brominated molecules) such as carbon tetrachloride or TCE enter the cell, they immediately combine with the free electrons, temporarily reducing the number remaining in the electron cloud. The detector electronics, which maintain a constant current of about 1 nanoampere through the electron cloud, are forced to pulse at a faster rate to compensate for the decreased number of free electrons. The pulse rate is converted to an analog output, which is transmitted to the data system.

MIP System Performance Test

As a quality control check, the MIP system response is evaluated prior to and upon completion of each MIP location. An aqueous phase performance test is performed using specific compounds designed to evaluate the sensitivity of the particular probe, transfer line and detector suite to be used. The resulting values are recorded and compared to predetermined values.

Investigation Methods

A total of ten MIP/SC locations were completed at the Southside 27235 site. Each location was selected by Kleinfelder's representative onsite, and the termination depth of each location was also determined by Kleinfelder's representative onsite. Immediately upon completion of each location, the dataset is wirelessly delivered to **COLUMBIA's** remote servers for Quality Assurance/Quality Control (QA/QC) review and upload to a password secure website using Columbia's patented ***SmartData Solutions***® technology. The results from each location are shown in Appendices A and B. Maps and 2D/3D graphics of the site have been prepared for easier visualization of the subsurface.

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MIP/SC Log Interpretation

Each MIP/SC log includes six separate graphs of data. The first graph displays the temperature of the probe as it is advanced in the subsurface. This graph can be useful to determine where groundwater is encountered. The next three graphs are measures of chemical detector response: ECD, FID, and PID, measured in microvolts (uV). These graphs are a linear scale, and give relative concentrations of contamination. The fifth graph is the rate of penetration (speed of the probe) and is measured in feet/min. This information can be used to determine how resistant the subsurface is to the direct push and/or percussion. The last graph is soil electrical conductivity and is measured in mS/m. In general, lower conductivities are indicative of coarser grained particles, such as sands and silty sands, and higher conductivities are indicative of finer grained particles, such as clays and silty clays.

Correlating MIP Results to Sampling or Laboratory Analyses

Generalized correlation between MIP response and laboratory sample results can be inferred, but cannot be viewed as a linear comparison. MIP response and laboratory results are collected, analyzed and reported in different units and by different procedures, so correlation is not an exact one-to-one comparison. The MIP process uses a membrane extraction process from a heated zone of varying subsurface matrix of soil, water, and/or vapor. Soil and groundwater results involve the collection of a sample, extraction of sub-sample at the surface, and then transporting them to a laboratory for further extraction and analysis. These two processes are different by definition.

SmartData Solutions®

COLUMBIA's *SmartData Solutions*® is a patented process (U.S. Patent No, 7,058,509) that enables the rapid processing of field data into easy to understand 2D/3D visualizations posted to a password protected website. This process includes QA/QC review, formatting and rapid visualization of the data for the project team and enables a complete check of the dataset prior to completion of fieldwork.

Delineation

The *SmartData Solutions*® graphics display a 3D view of the contamination plume. These plumes are calculated by extrapolating data in three dimensions between measured data

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points, and the plumes are only calculated within the bounds of the outermost measured points. A plume is considered to be unbounded when it extends to the bounds of those outermost measured points. A fully bounded plume will exist entirely within the confines of the outermost measured points.

3-Dimensional Orientation

The *SmartData Solutions*® graphics use a relative azimuth system to describe map orientation as a map may not be oriented with true North at the top of the map. The relative azimuth system uses a 360° compass to describe the position *from which* the graphic is being viewed. For example, a viewer "looking east" on a North oriented map would have a relative azimuth of 270°., i.e. the viewer would be standing on the "western" 270° azimuth point looking through the center to the "east".

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Geoprobe® is a registered trademark of Geoprobe Systems, Inc.

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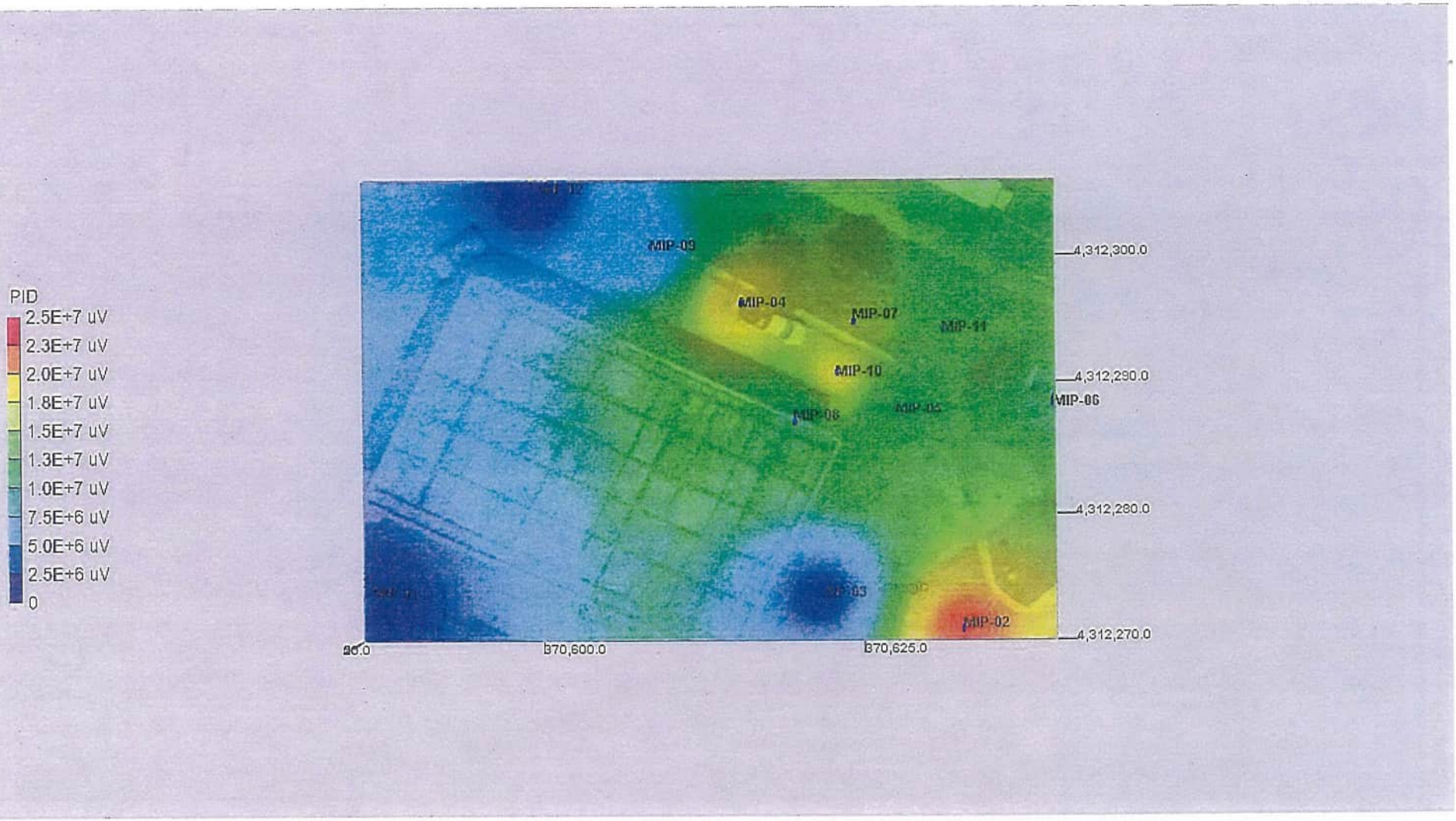


Figure 1 Maximum PID Response
March 15, 2011 – March17, 2011

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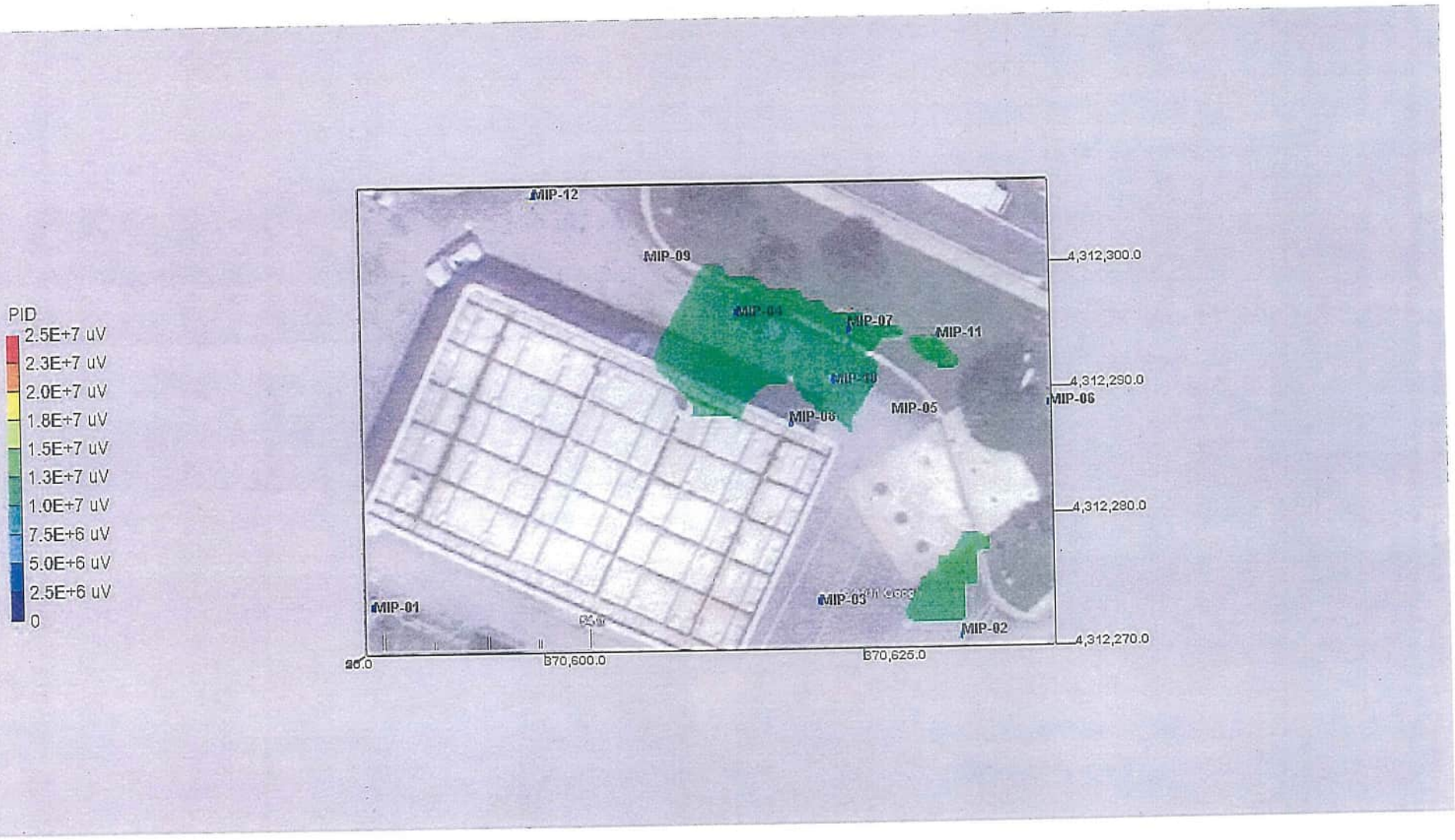


Figure 2 Plan View, PID Response >1.0E+07uV

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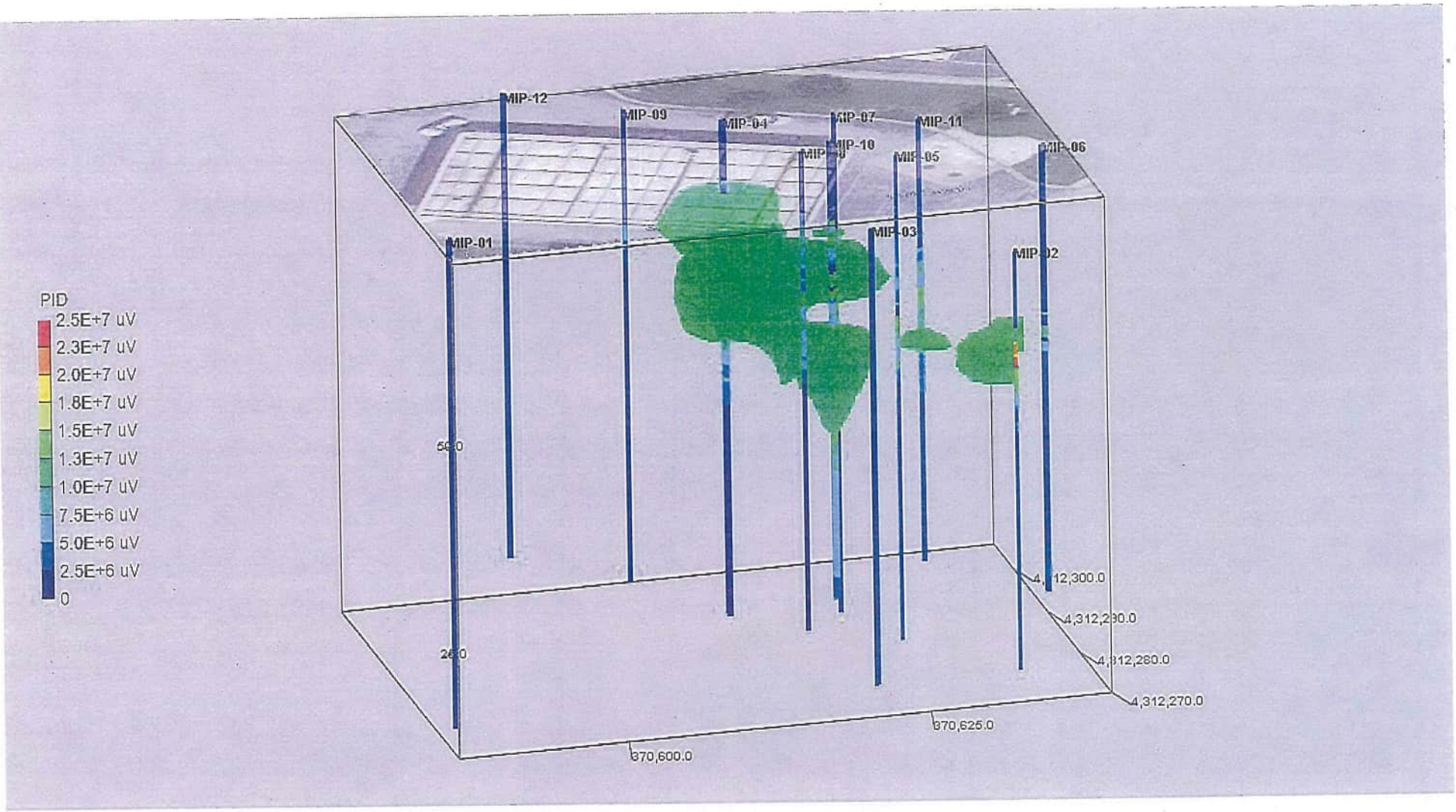


Figure 3 Oblique View Looking Northeast, PID Response >1.0E+07uV

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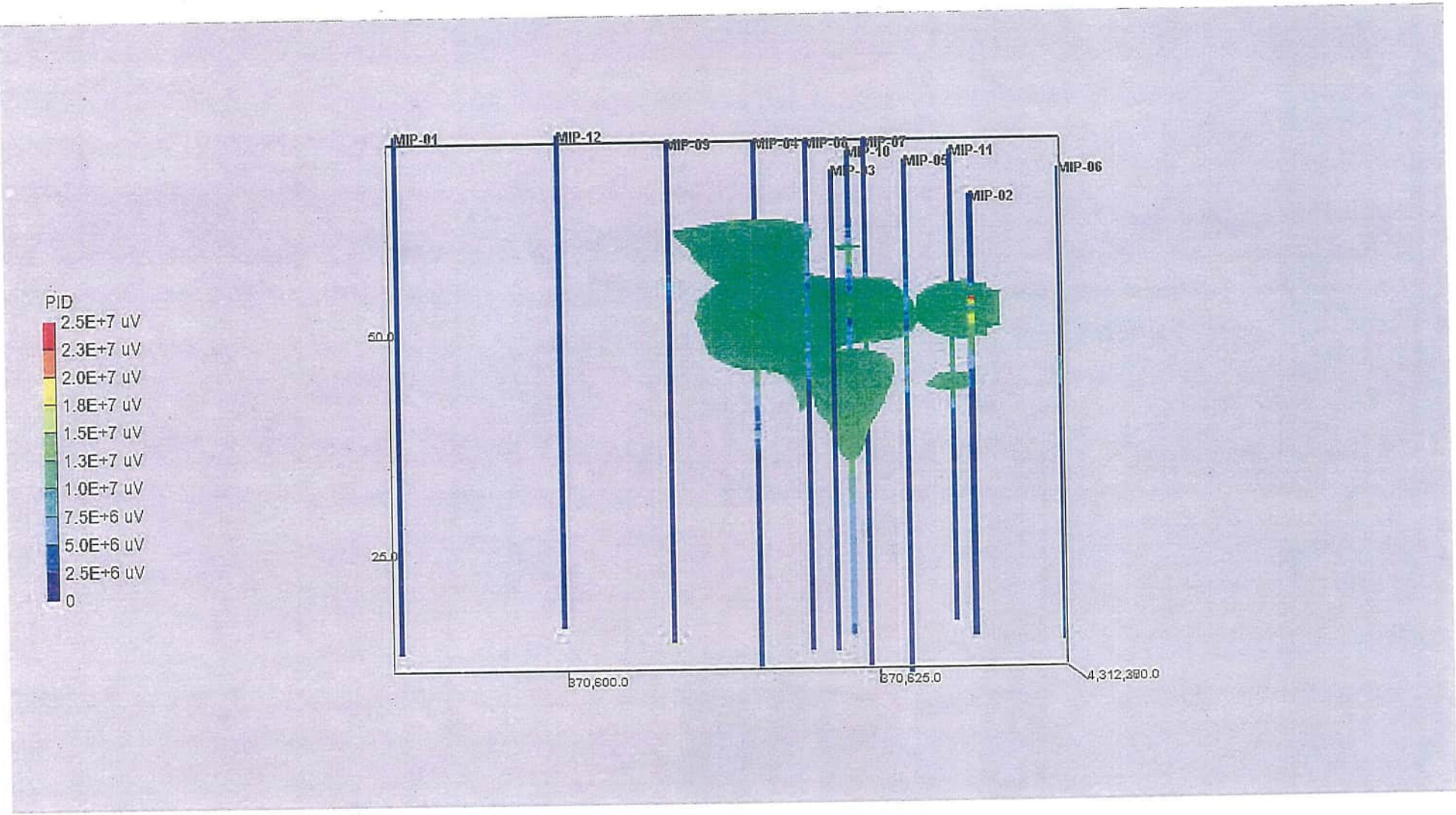


Figure 4 Transect View Looking North, PID Response >1.0E+07uV

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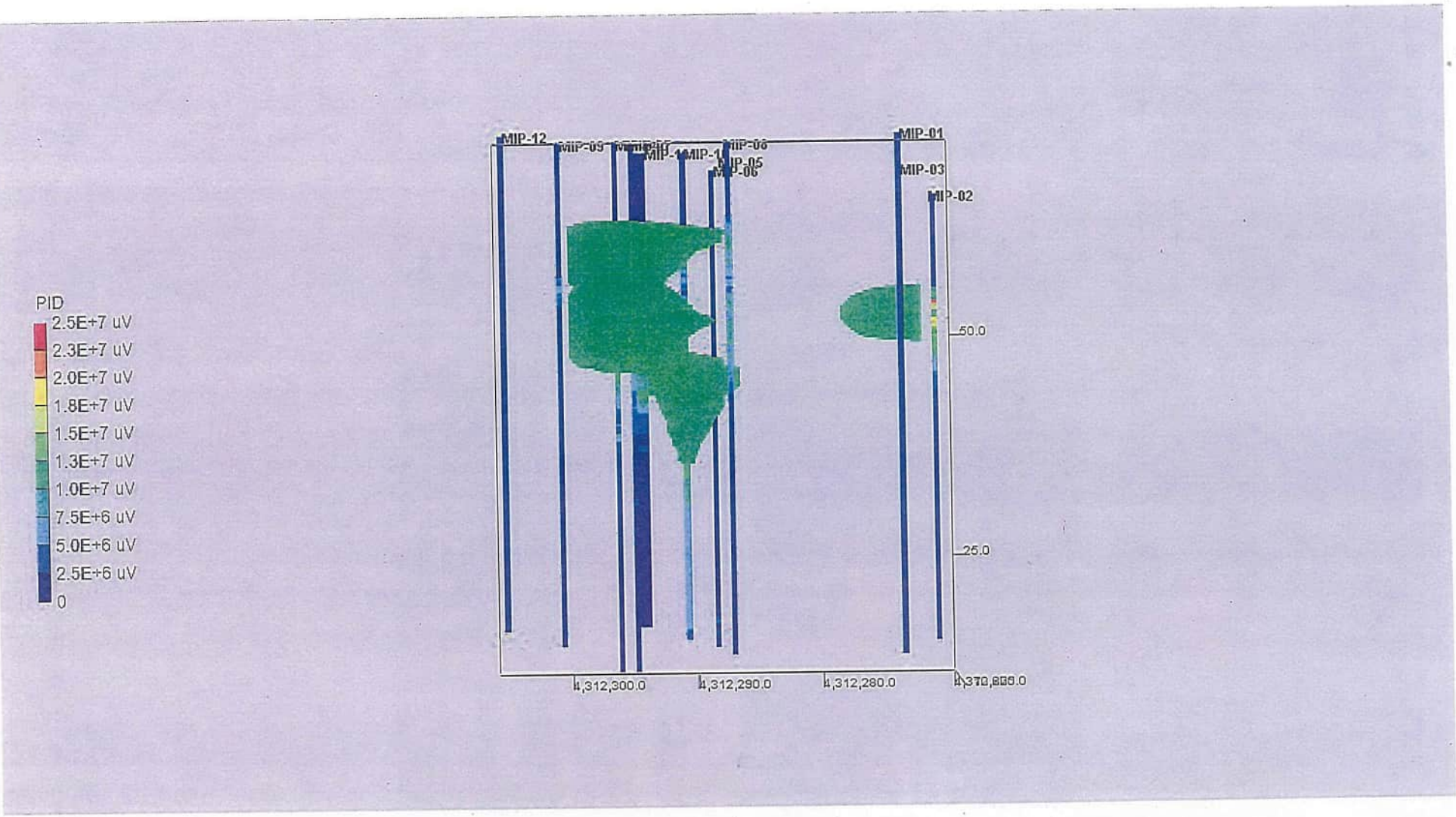


Figure 5 Transect View Looking East, PID Response >1.0E+07uV

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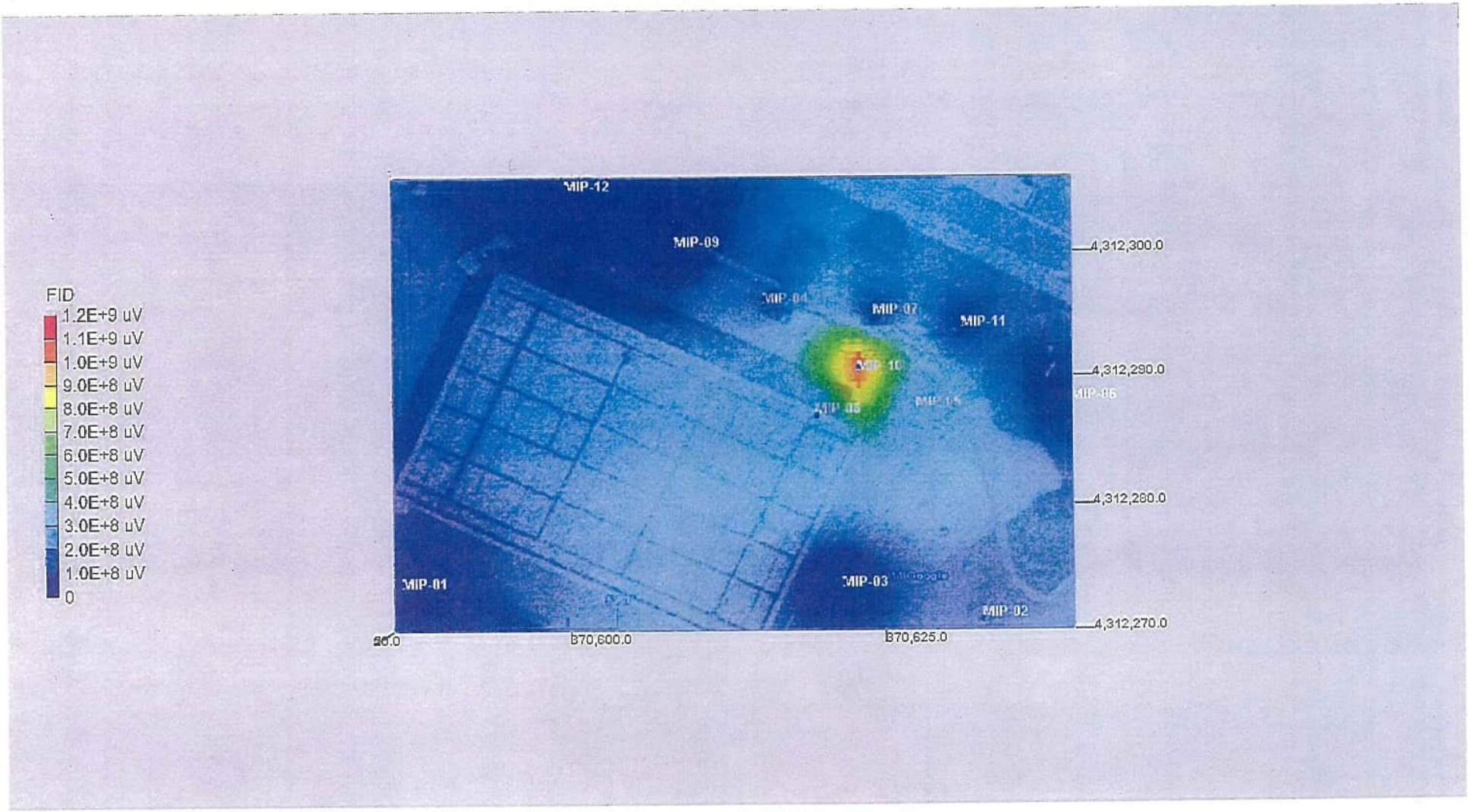


Figure 6 Maximum FID Response
March 15, 2011- March 17, 2011

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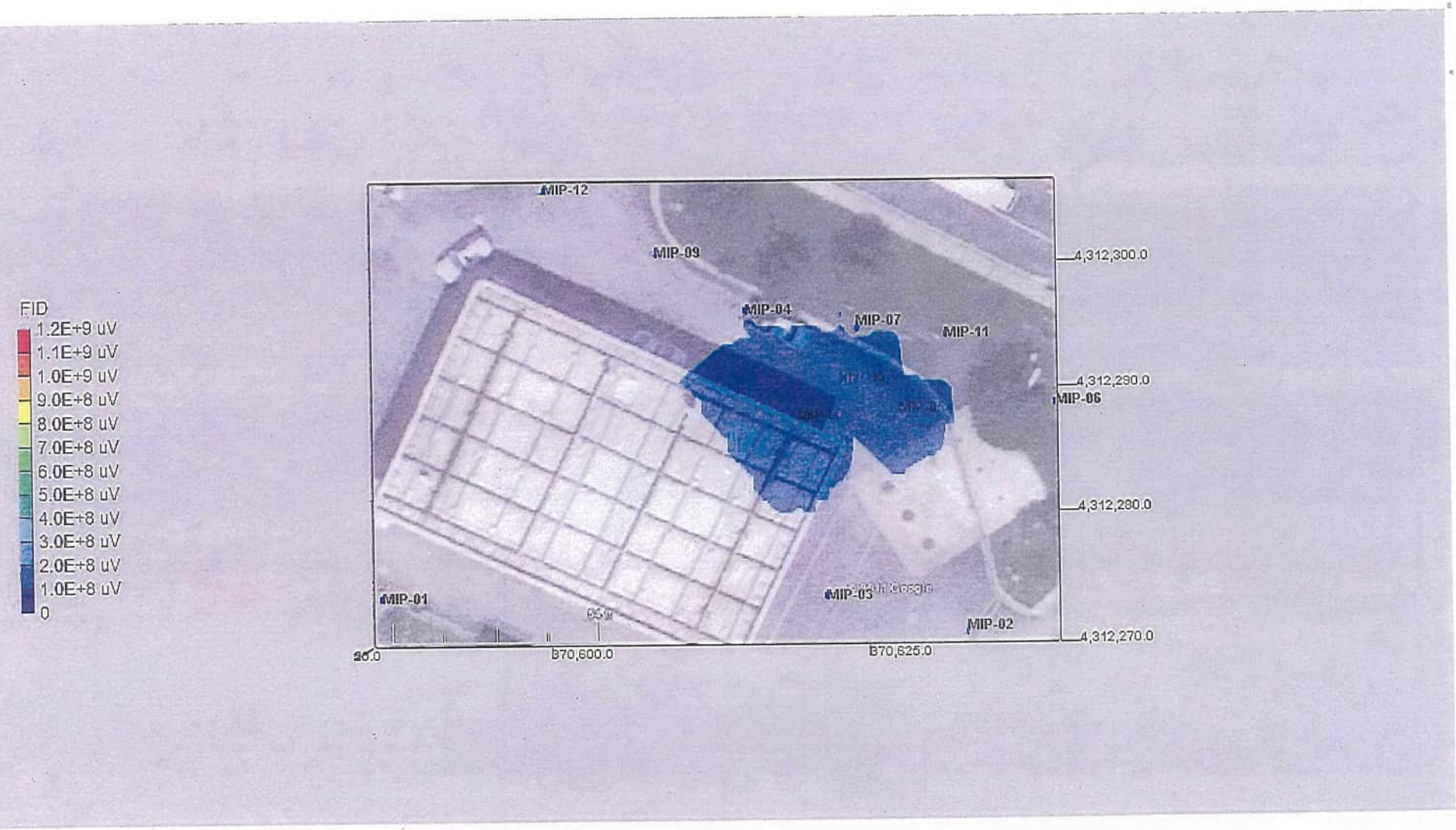


Figure 7 Plan View, FID Response >1.0E+08uV

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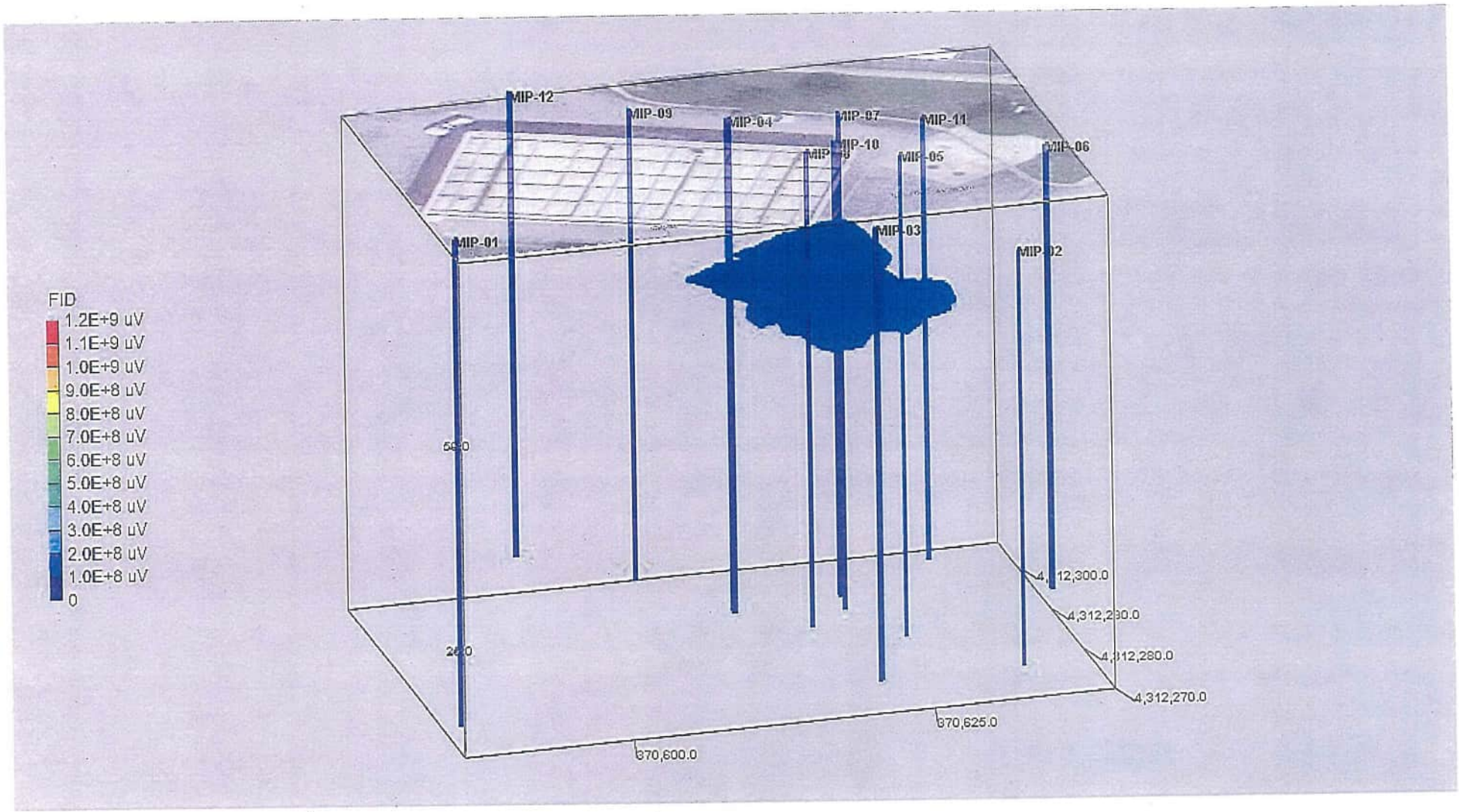


Figure 8 Oblique View Looking Northeast, FID Response >1.0E+08uV
March 15, 2011- March 17, 2011

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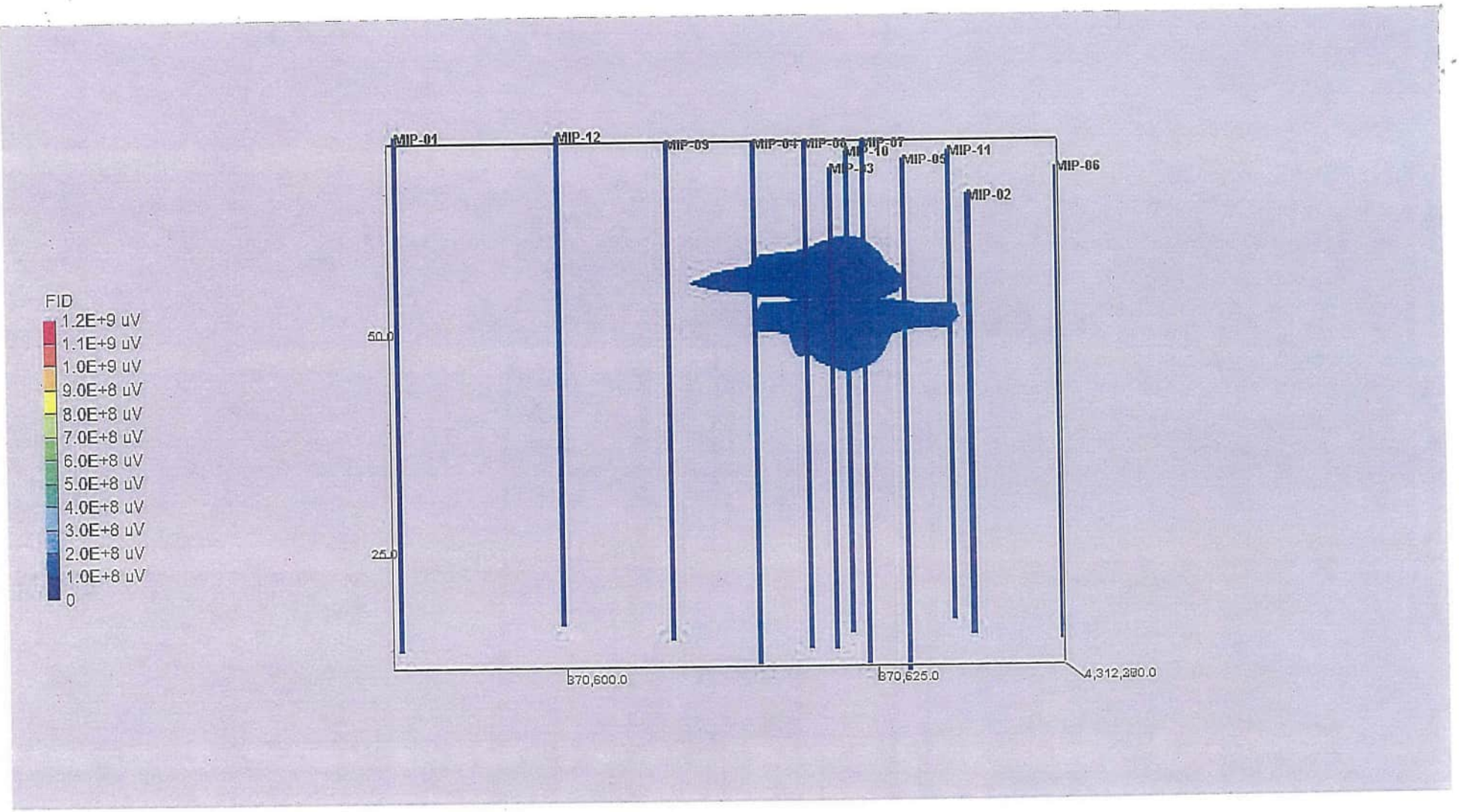


Figure 9 Transect View Looking North, FID Response >1.0E+08uV

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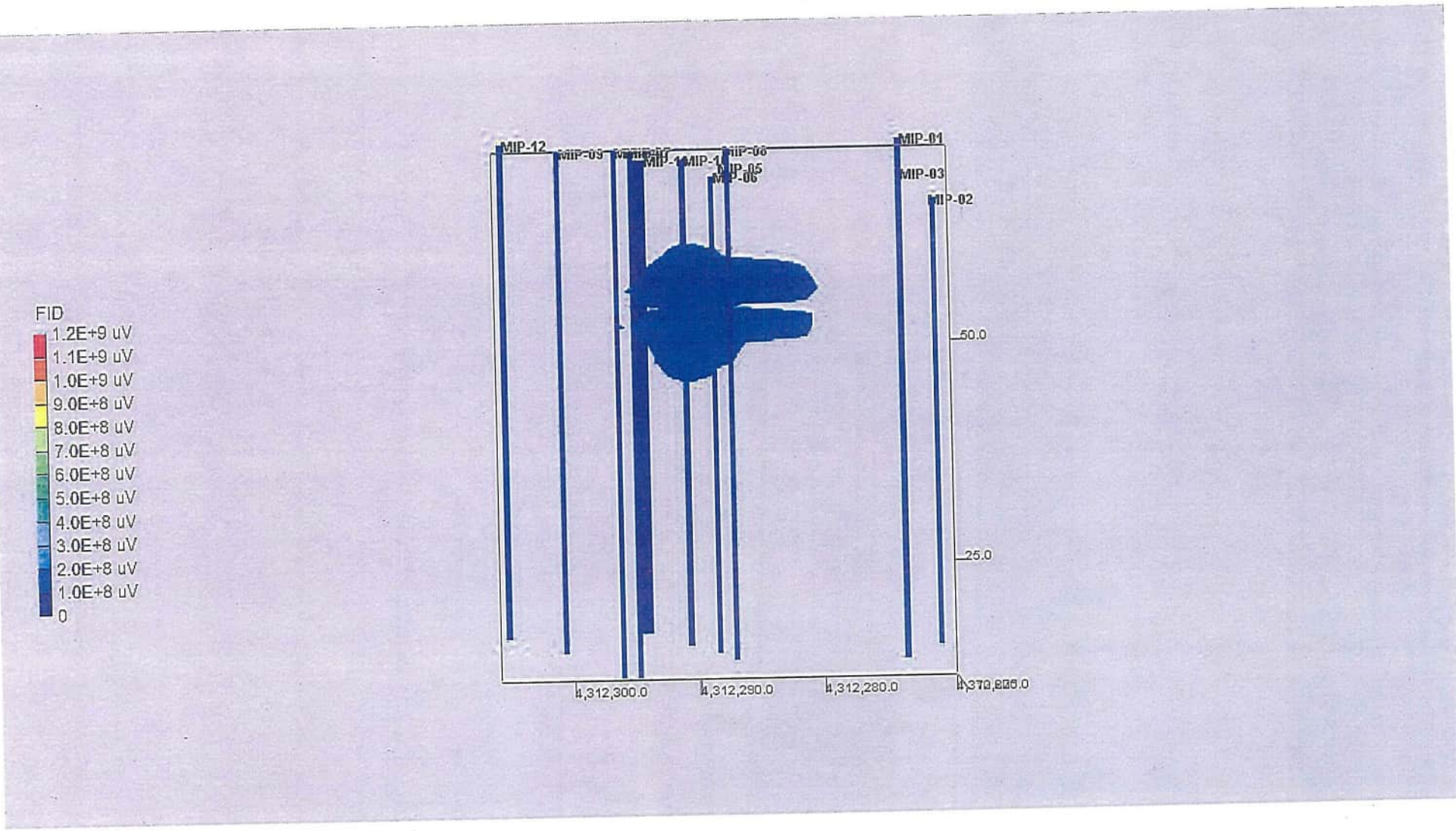


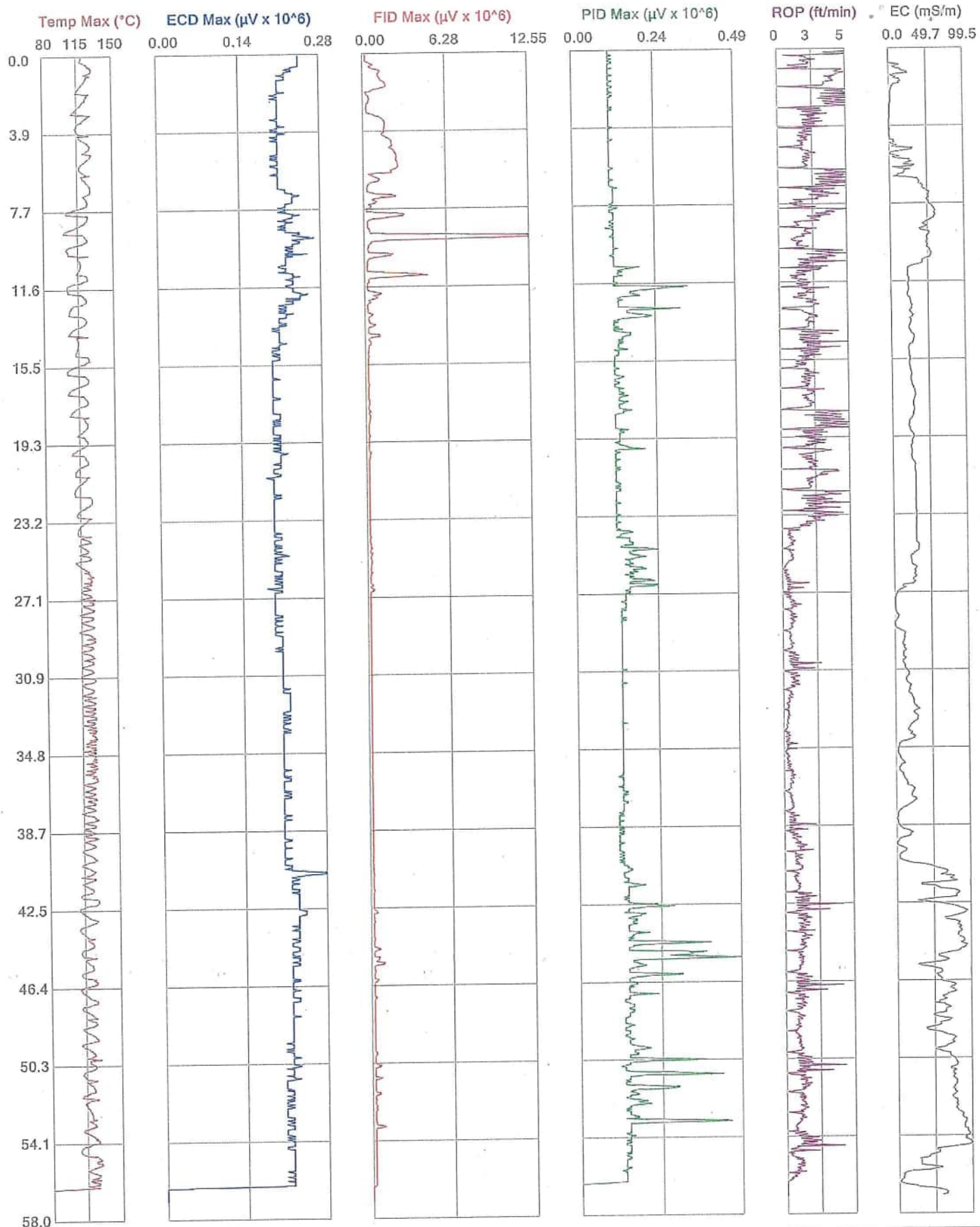
Figure 10 Transect View Looking East, FID Response >1.0E+08uV

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APPENDIX A

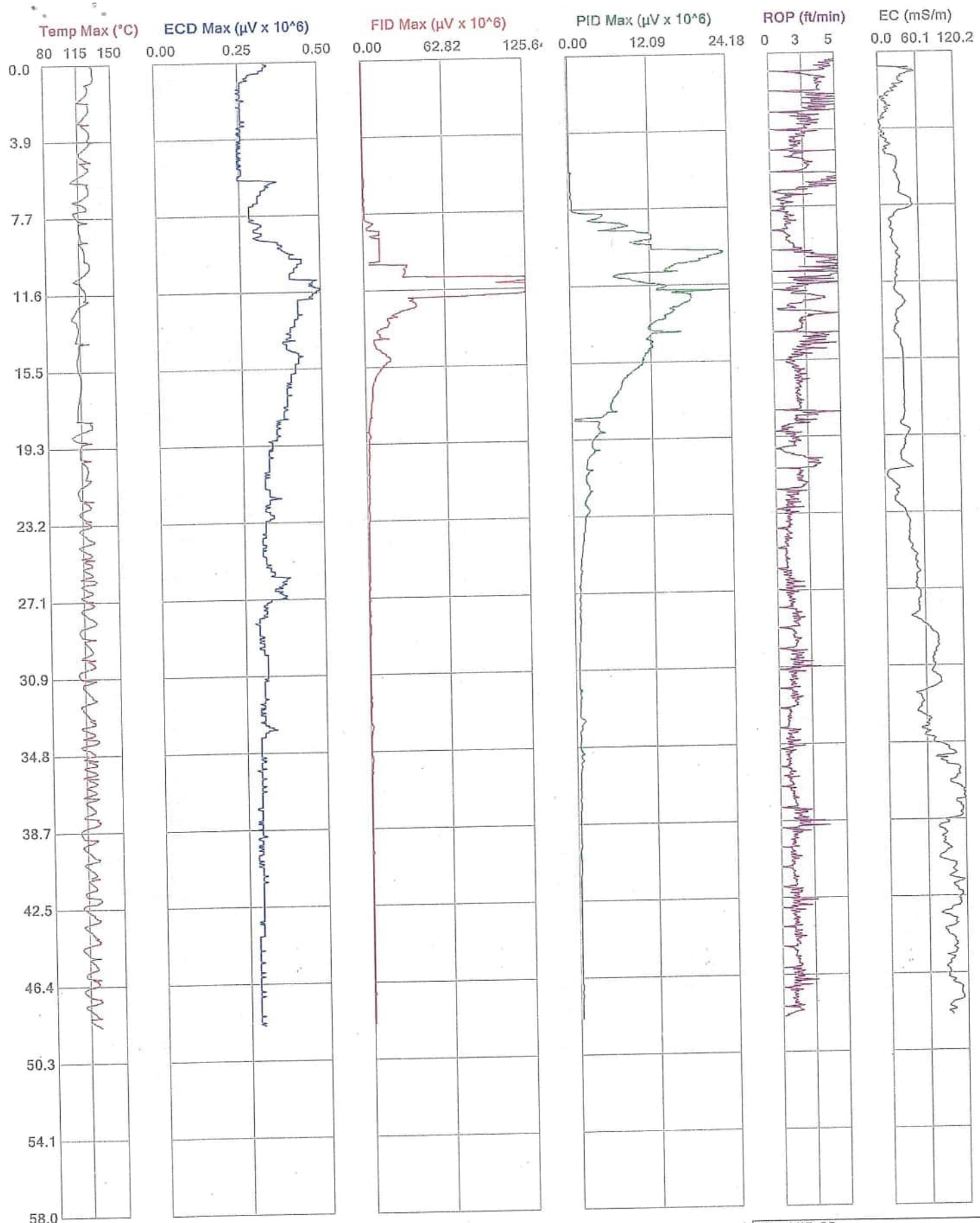
MIP Logs (Individual Scale)

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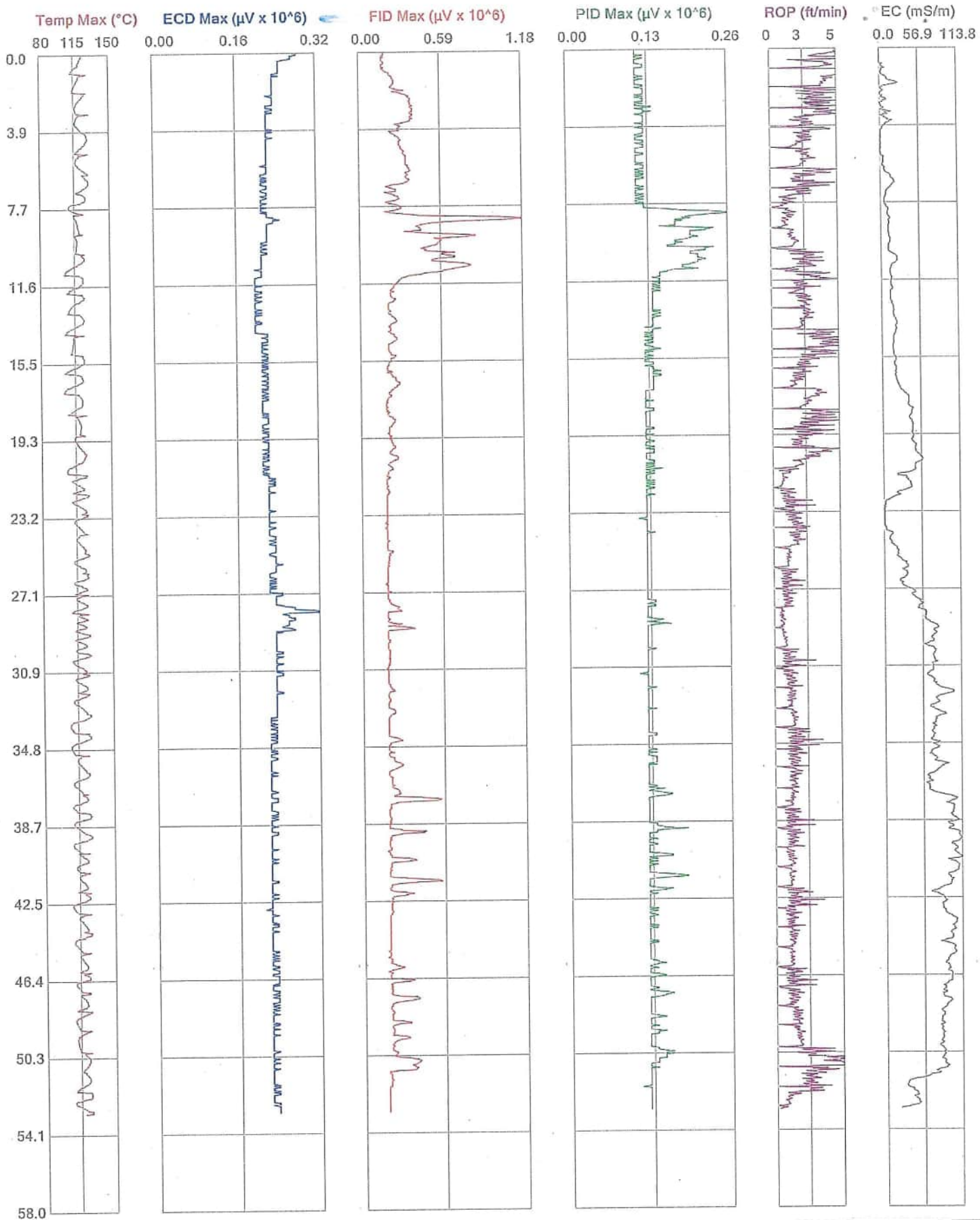
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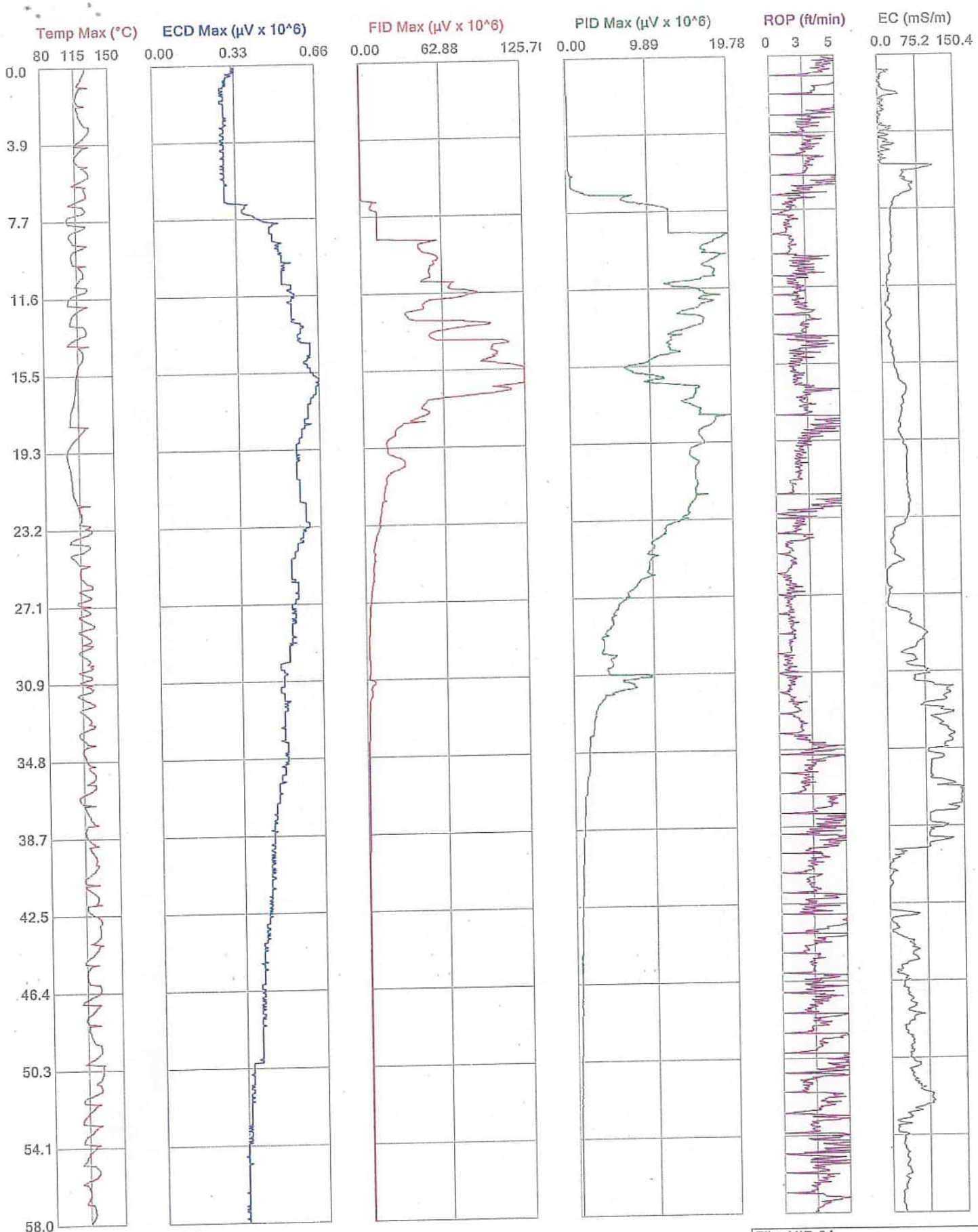
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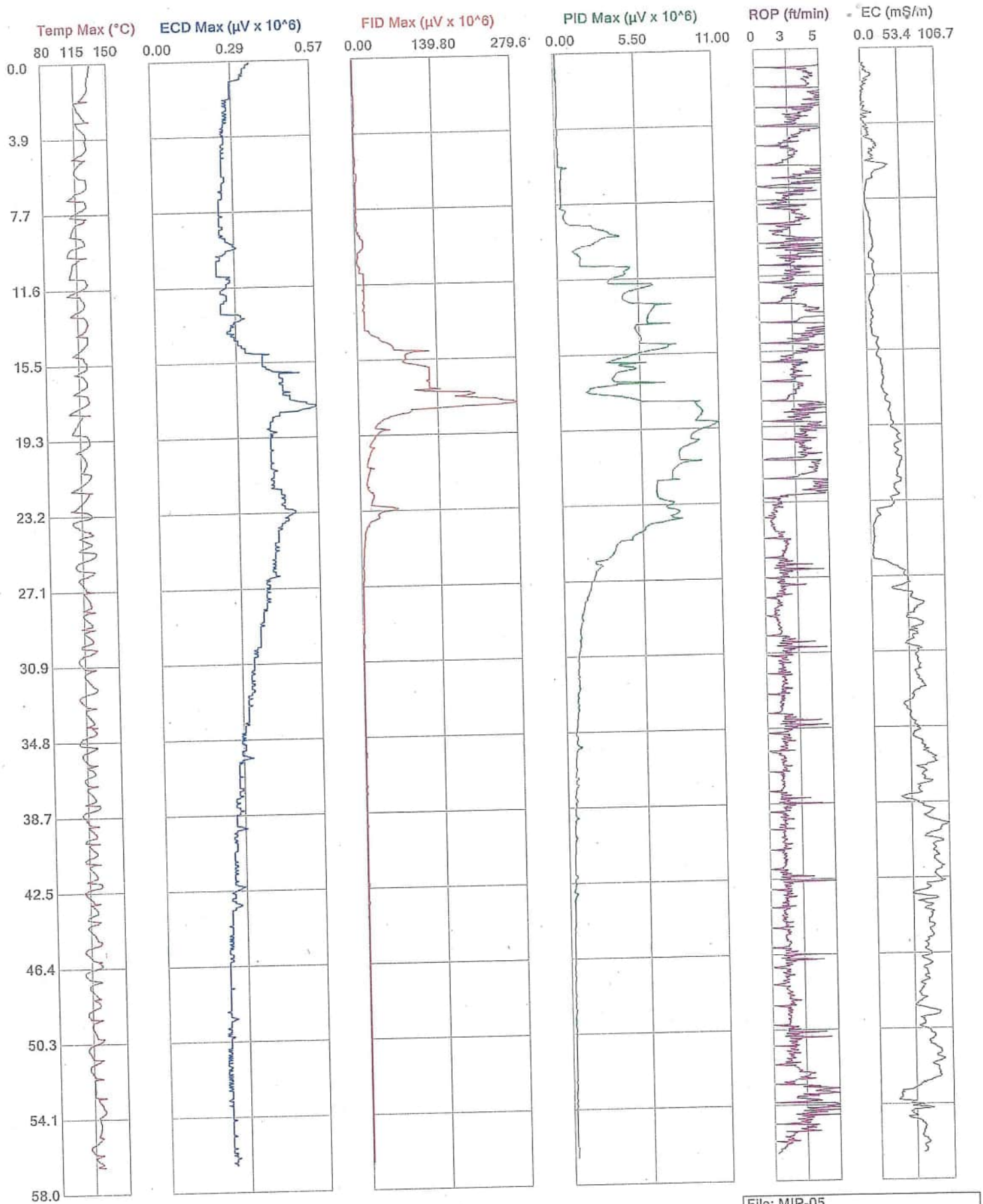
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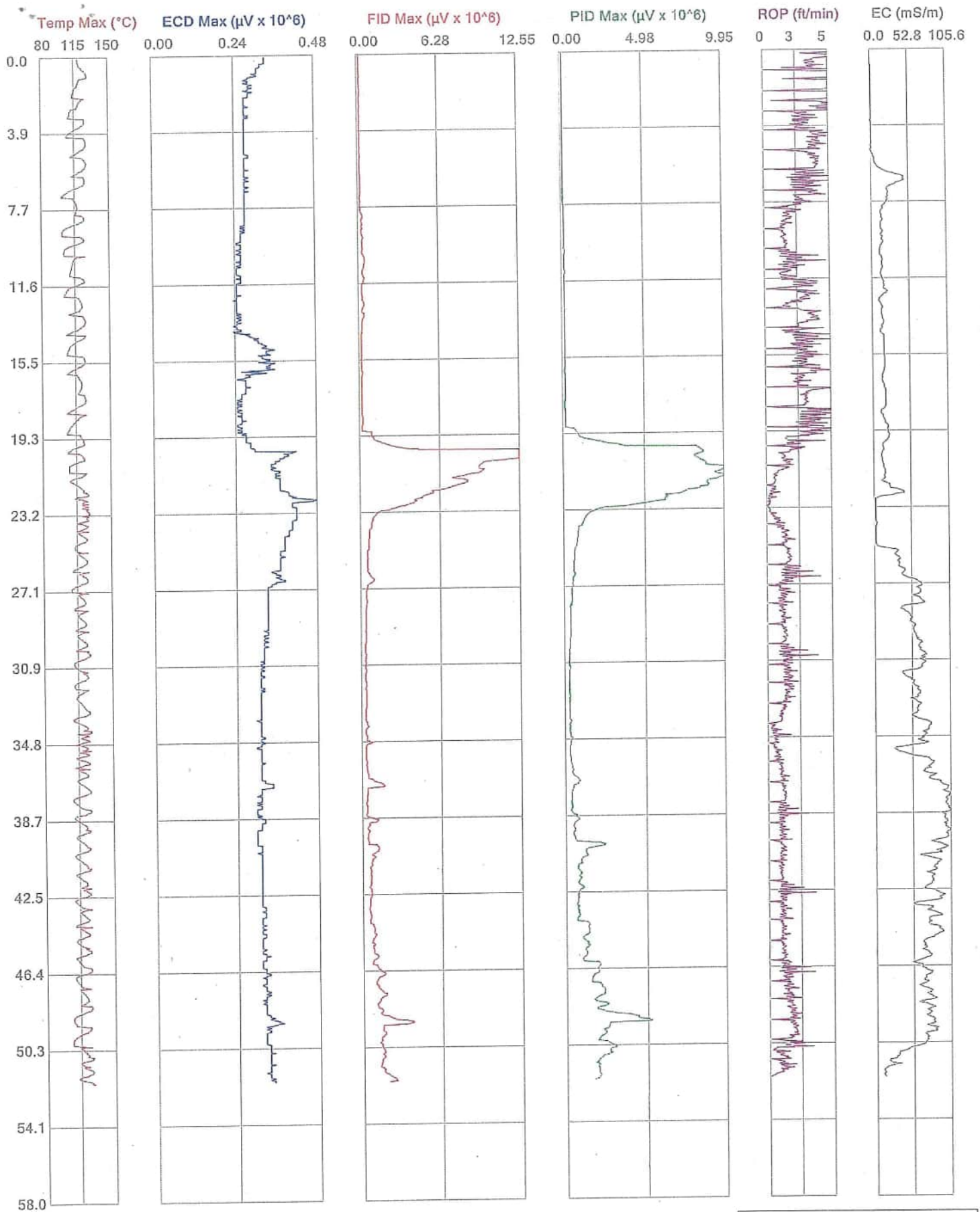
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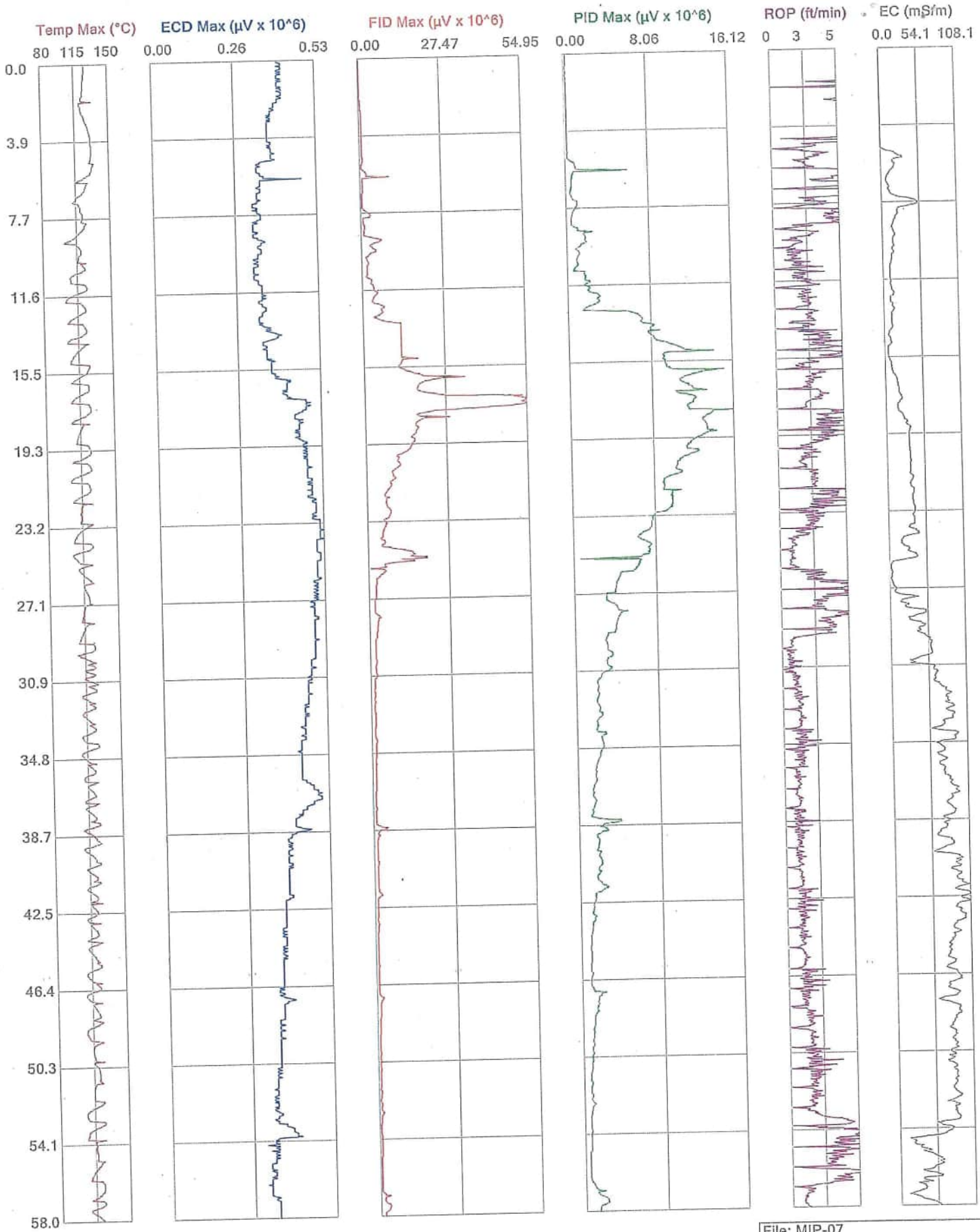
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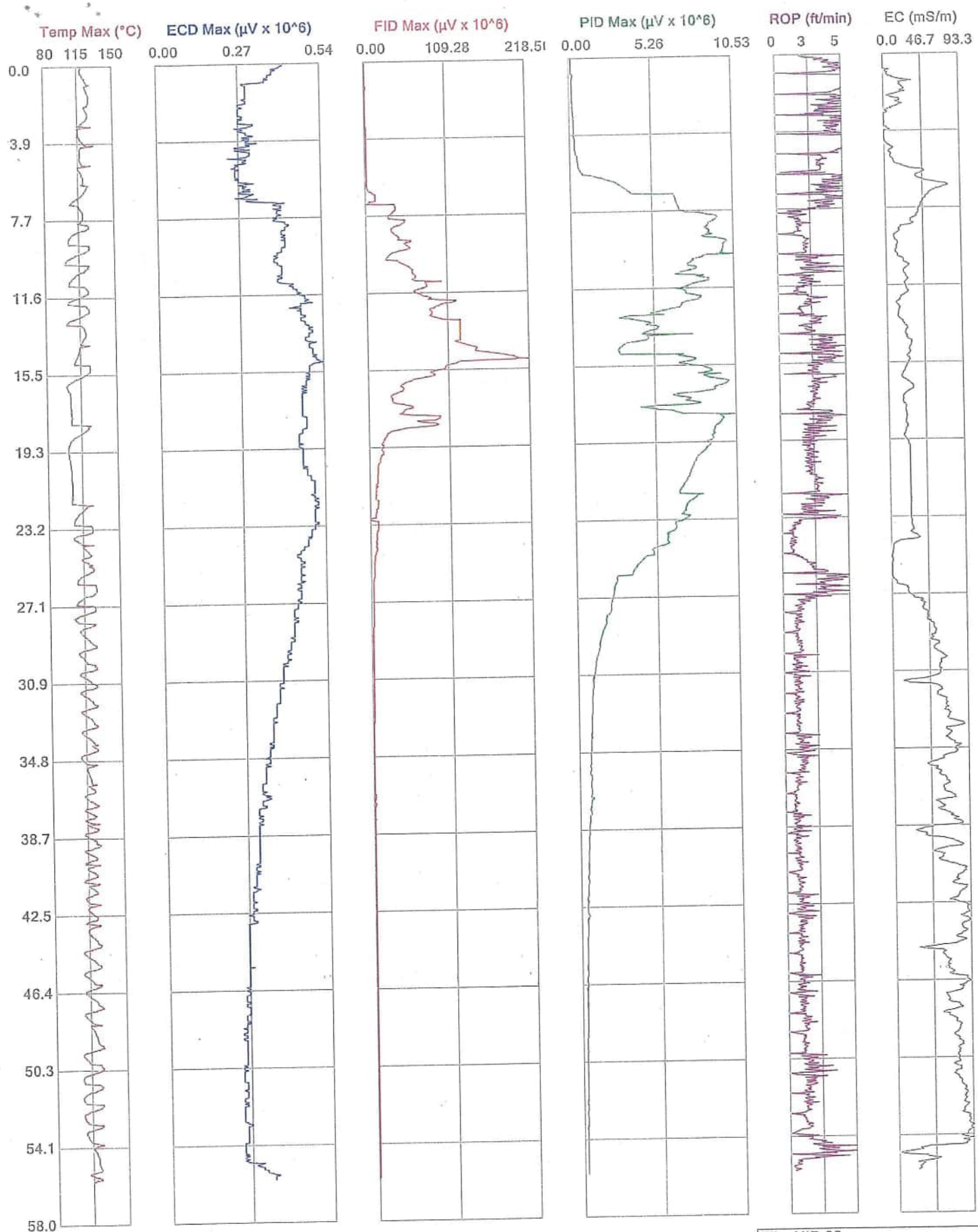
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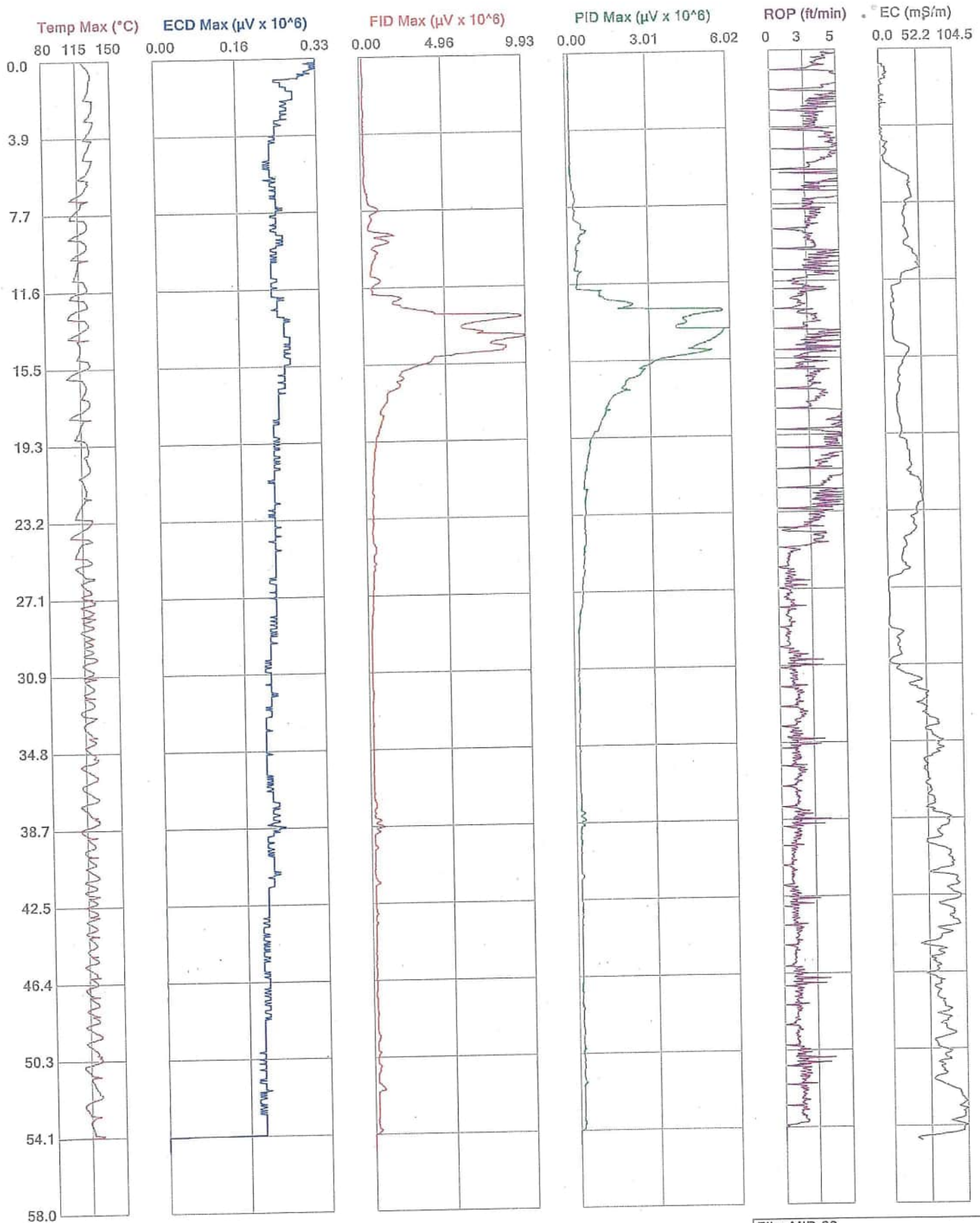
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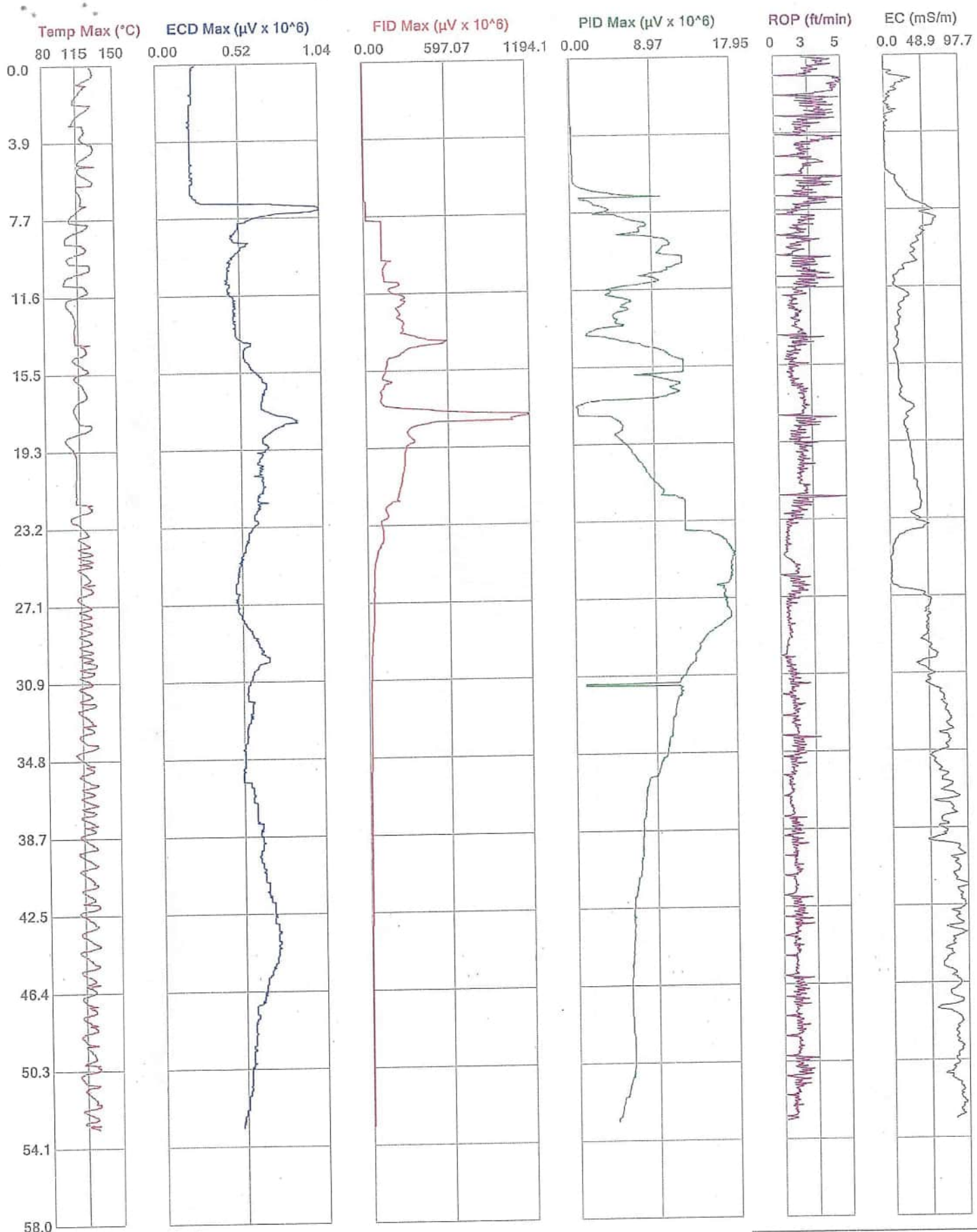
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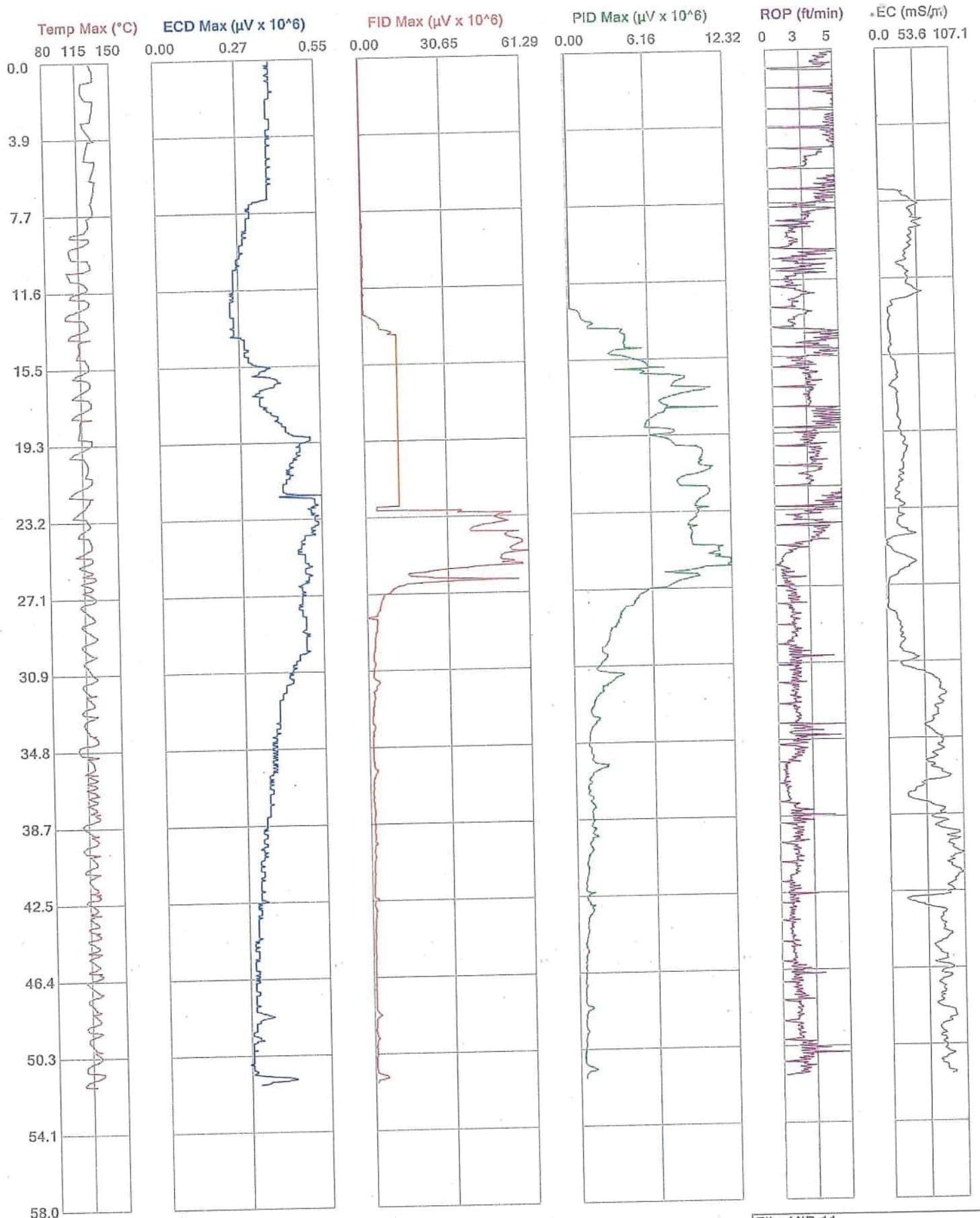
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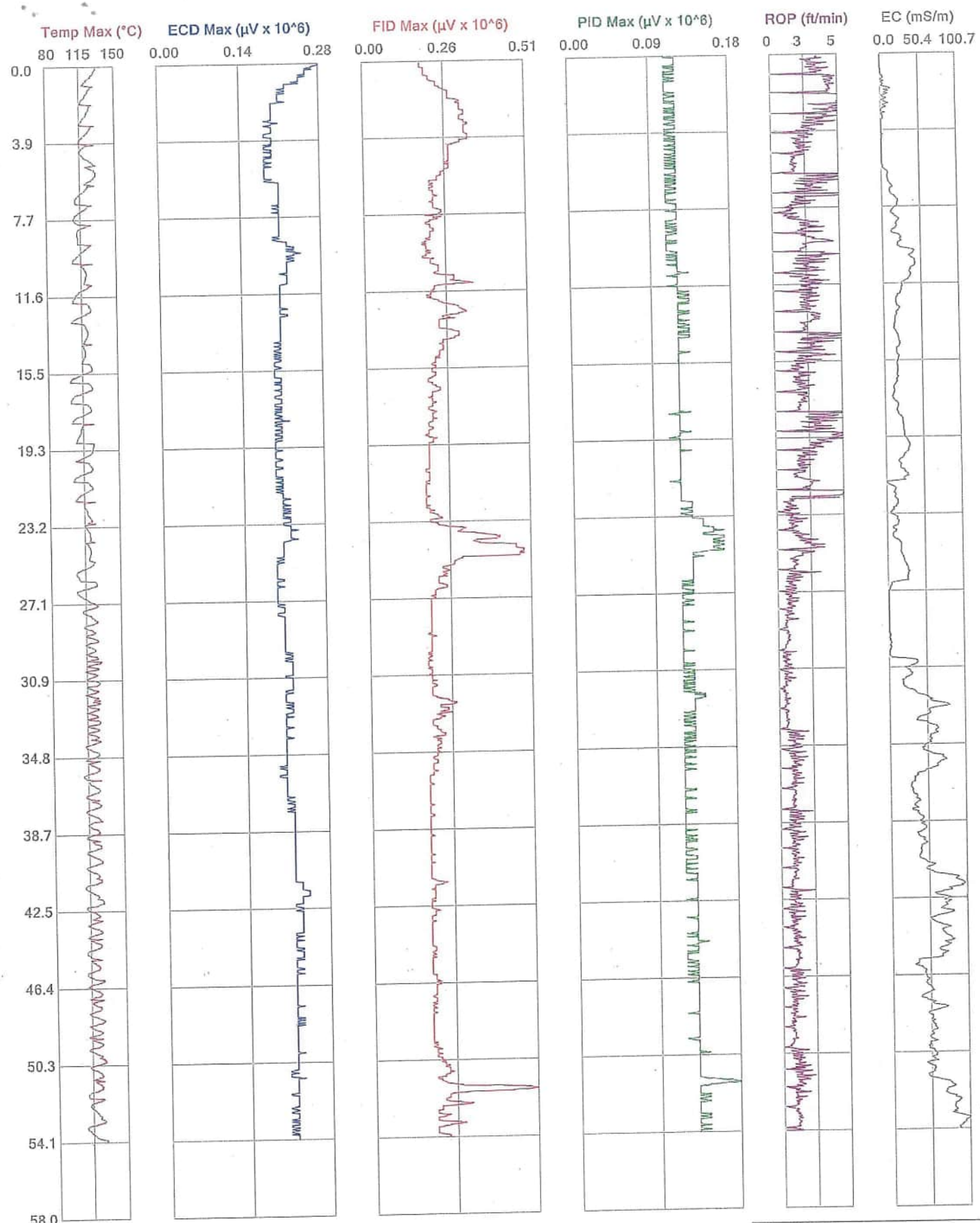
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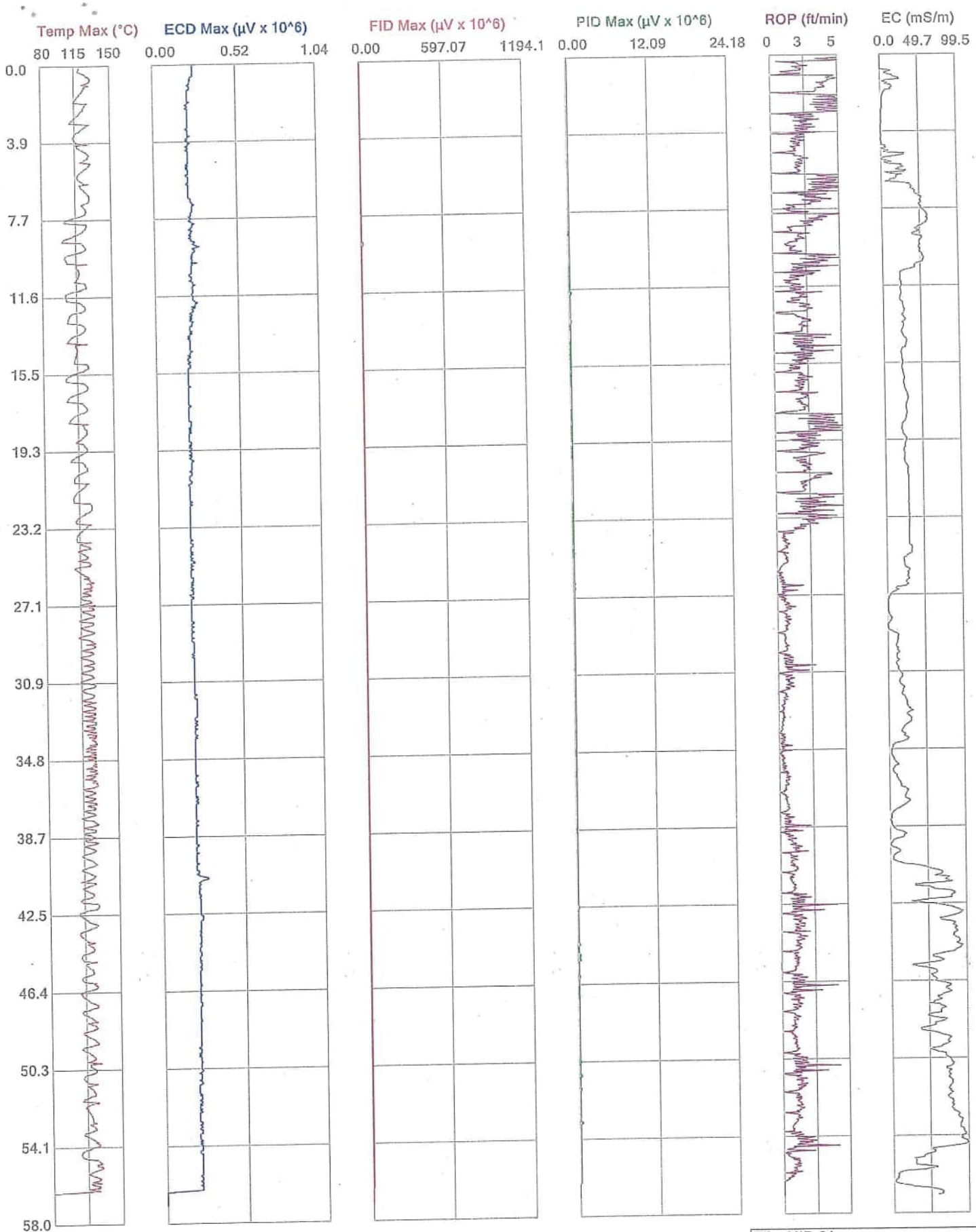
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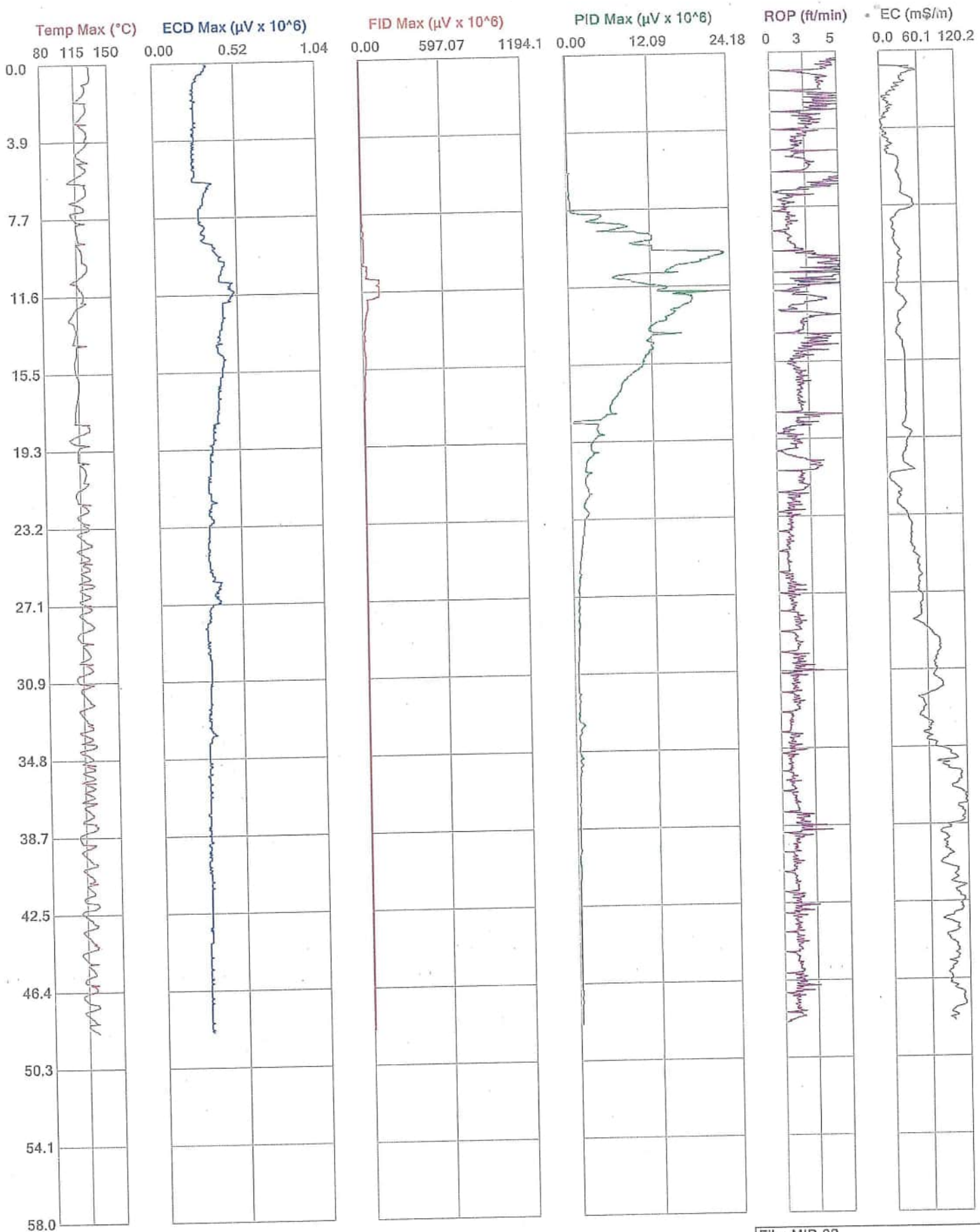
MIP Logs (Collective Scale)

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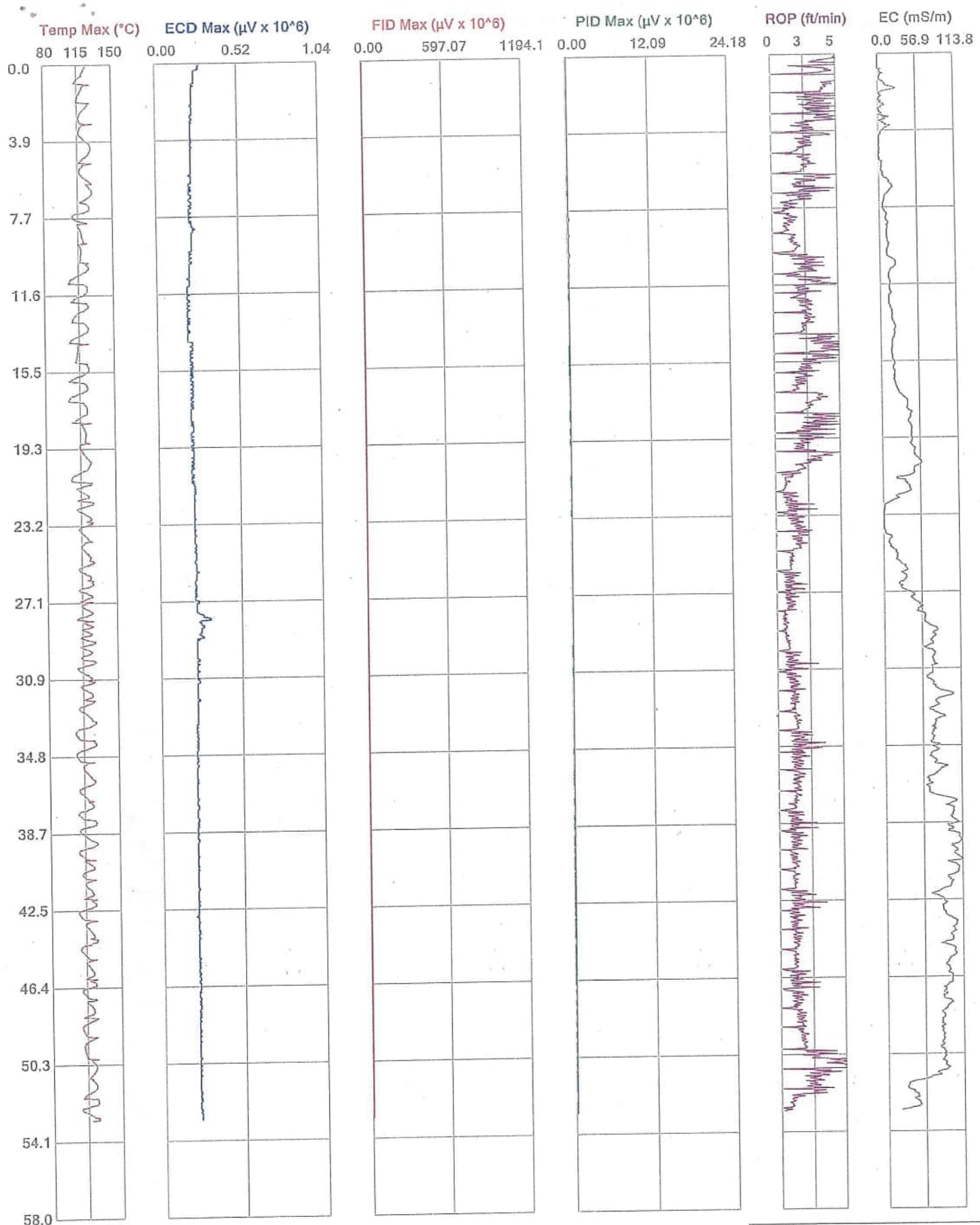
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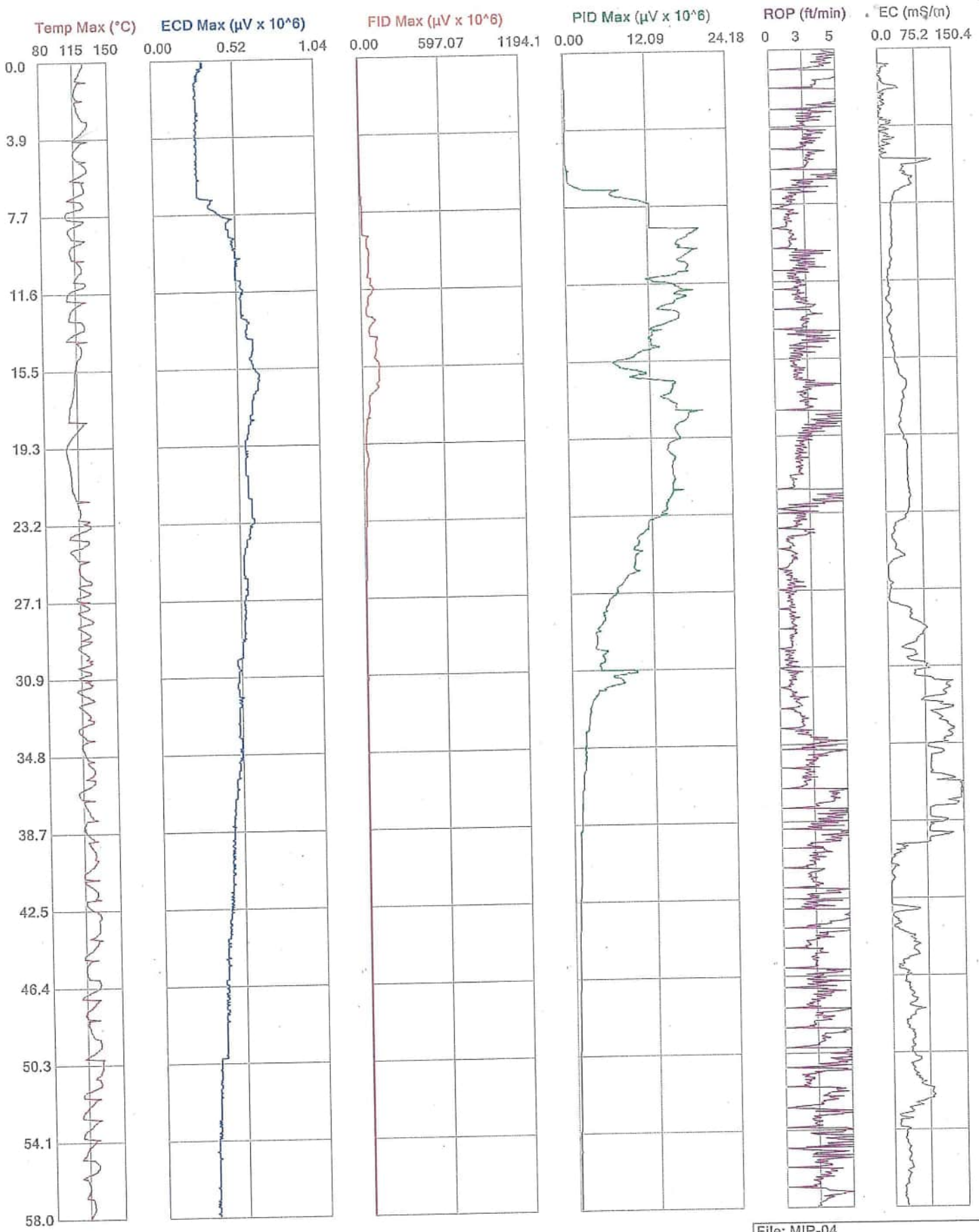
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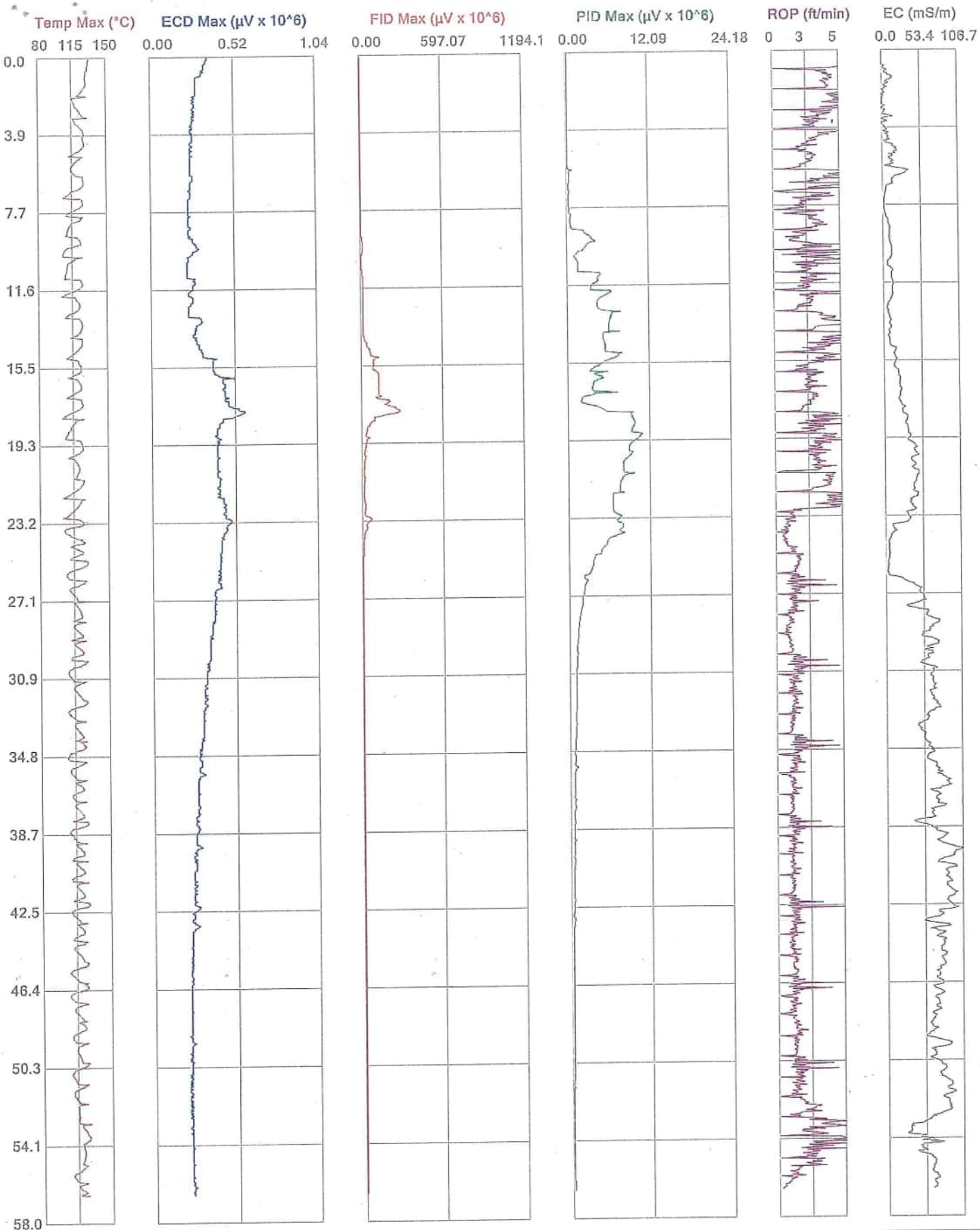
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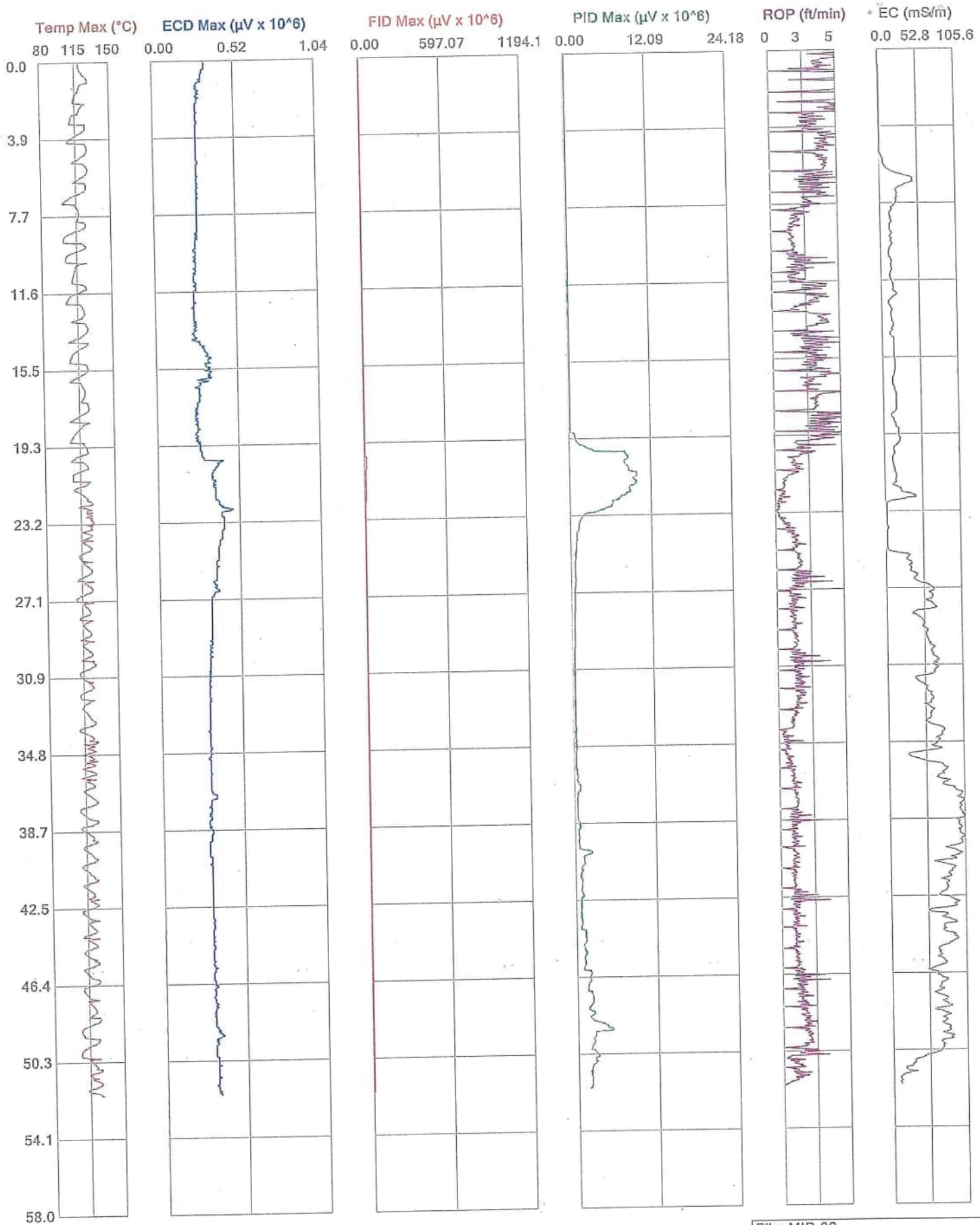
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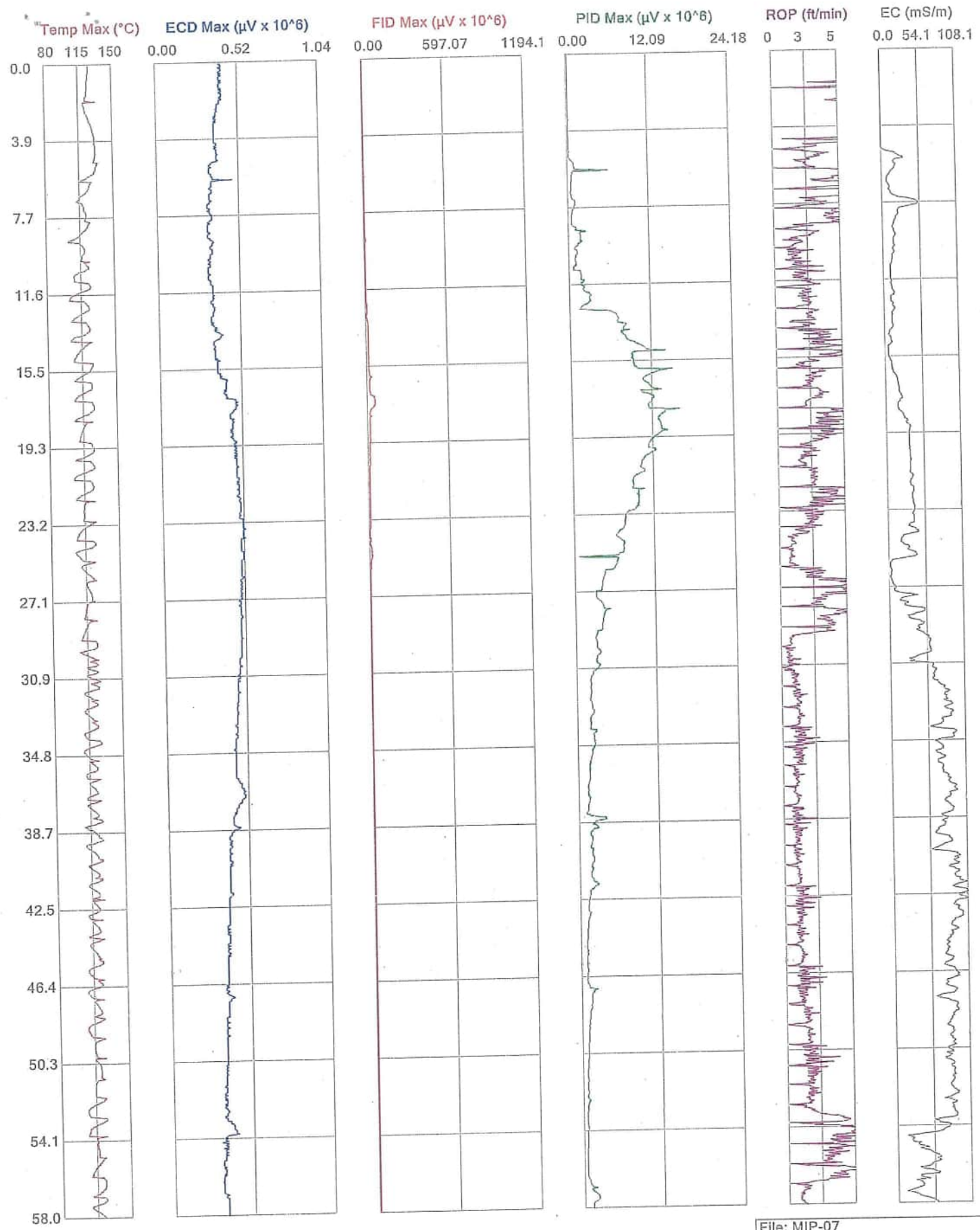
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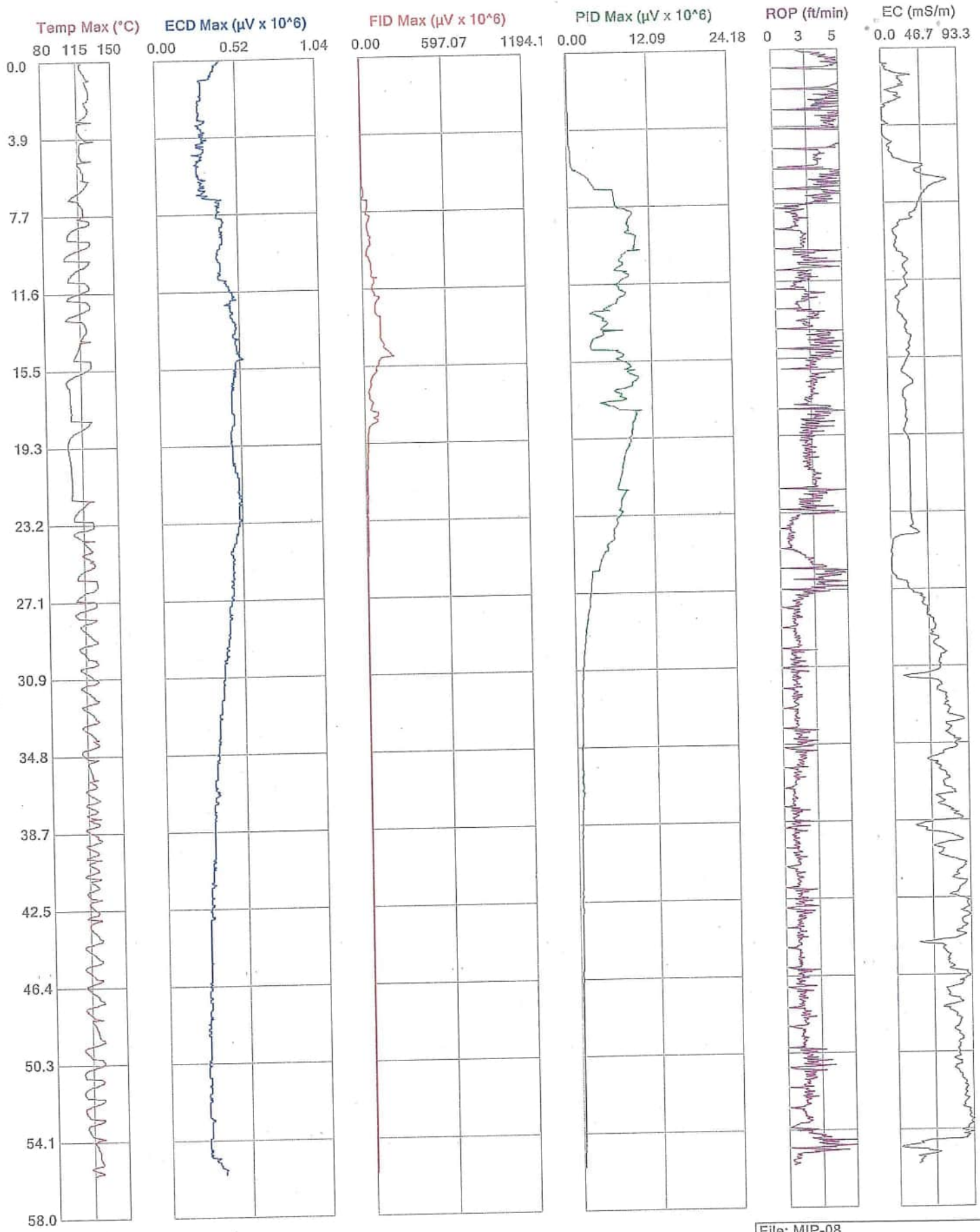
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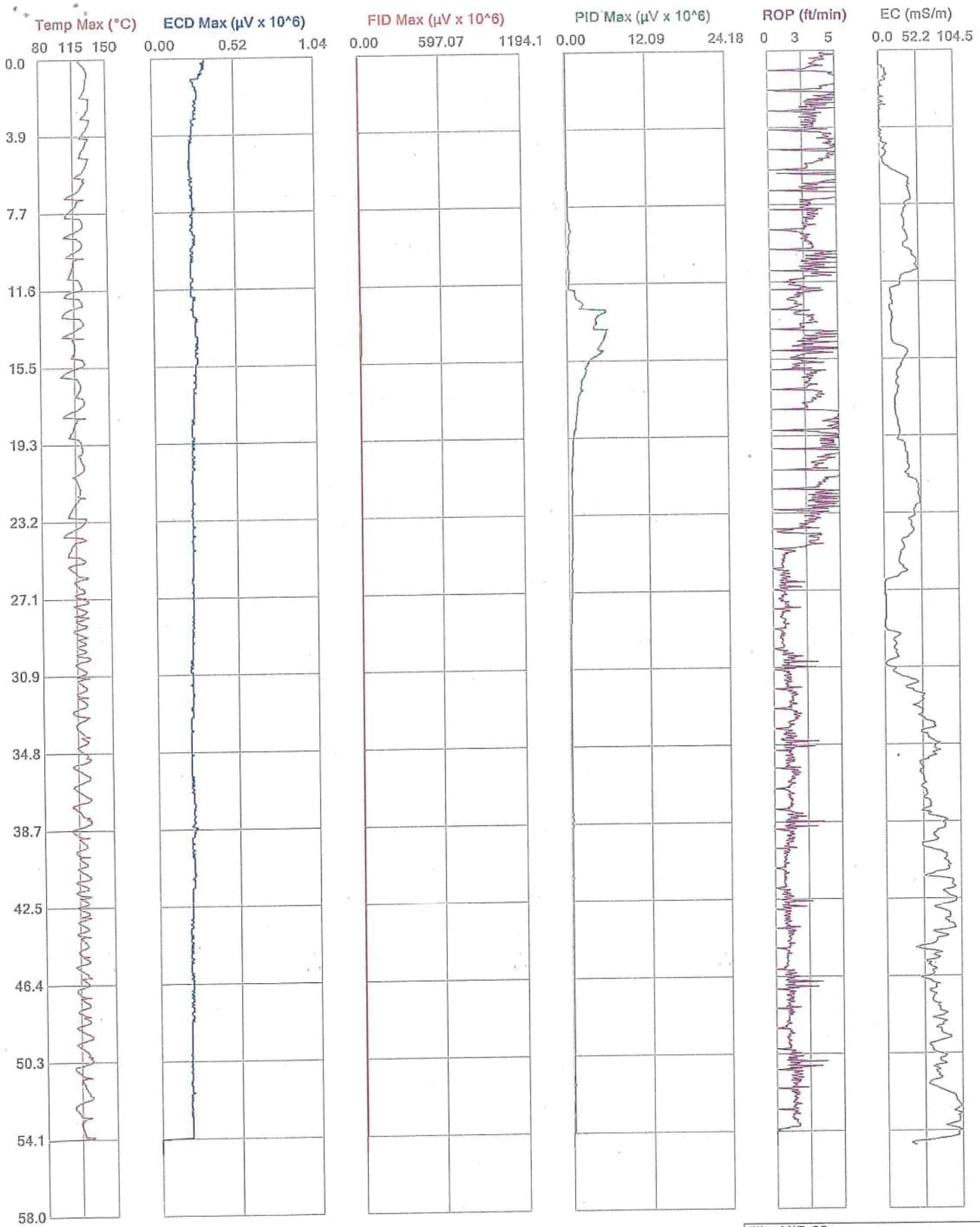
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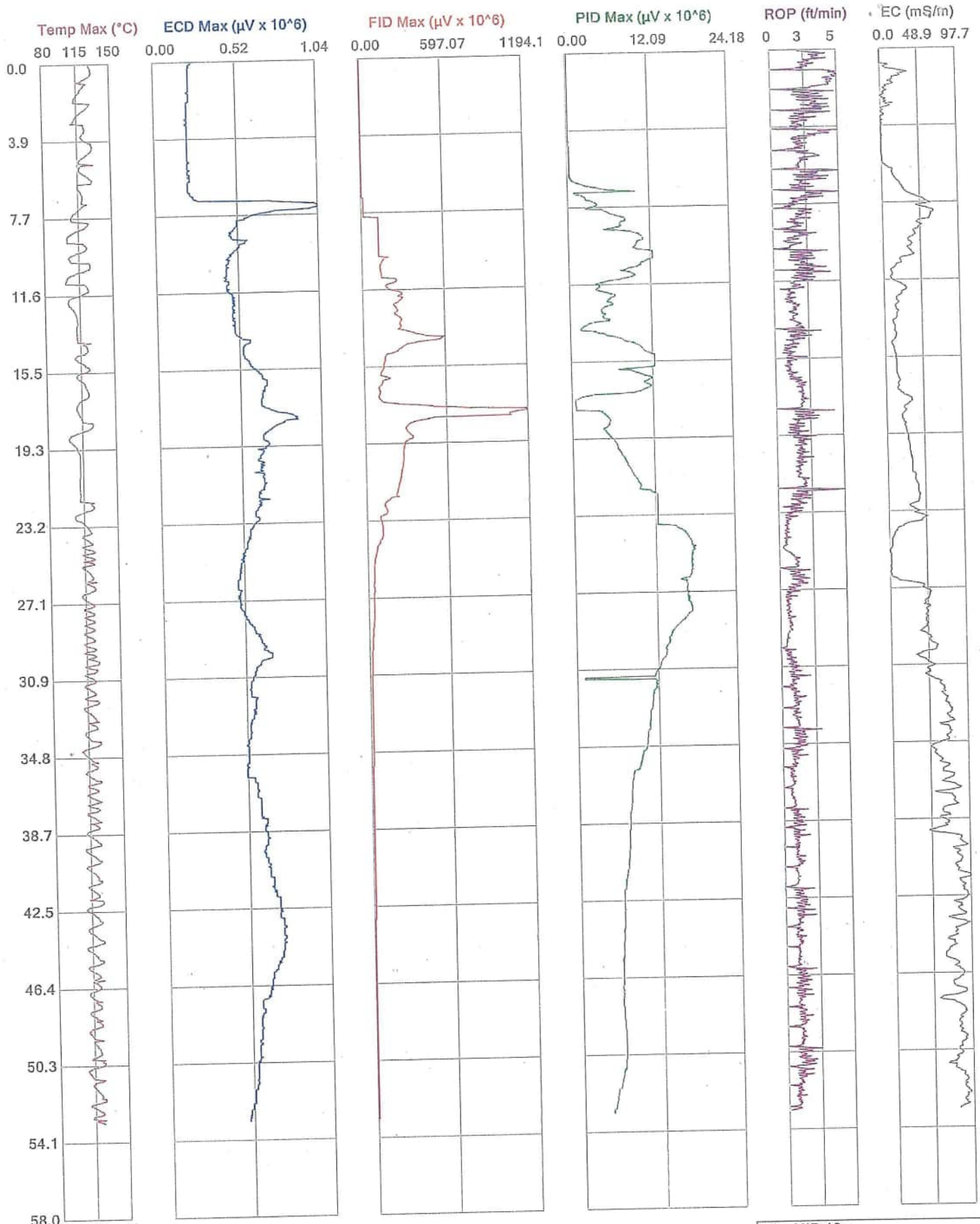
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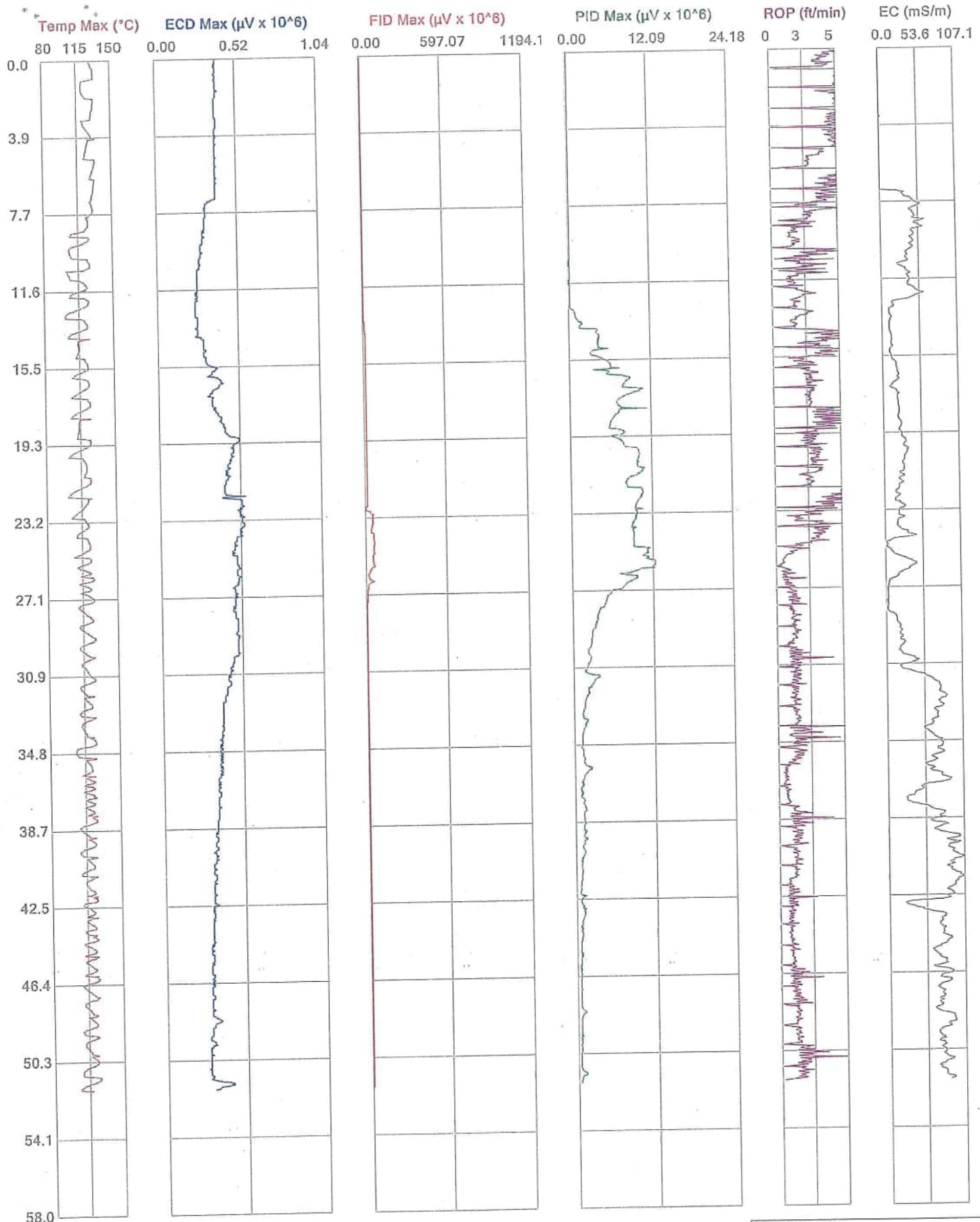
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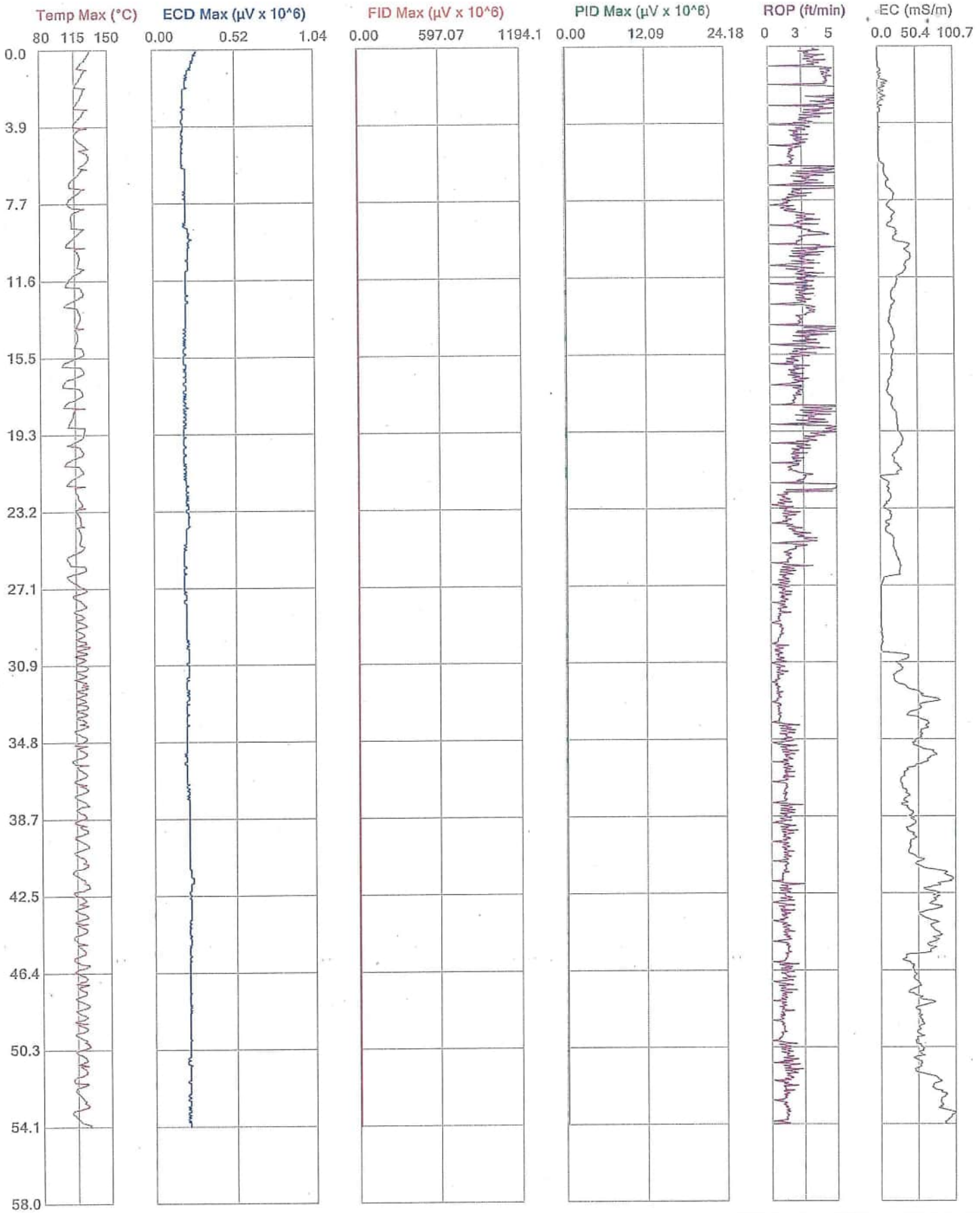
COLUMBIA TECHNOLOGIES

Client: Kleinfelder	File: MIP-10
Project ID: Southside 27235	Date: 3/16/2011
	Location:



COLUMBIA TECHNOLOGIES

Client: Kleinfelder	File: MIP-11
Project ID: Southside 27235	Date: 3/17/2011
	Location:



COLUMBIA TECHNOLOGIES

Client: Kleinfelder	File: MIP-12
Project ID: Southside 27235	Date: 3/17/2011
	Location:

Appendix D
Lancaster Laboratories Analysis Reports - Groundwater

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Kleinfelder
30 Porter Road
Littleton MA 01460

May 03, 2011

Project: Southside Oil 27235

Submittal Date: 04/22/2011
Group Number: 1243622
PO Number: 08531-105913
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LLI) #
MW-1 Grab Water	6267324
MW-2 Grab Water	6267325
MW-3 Grab Water	6267326
MW-4 Grab Water	6267327
MW-5 Grab Water	6267328
MW-6 Grab Water	6267329
Trip Blank Water	6267330

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Kleinfelder	Attn: Mark Steele
ELECTRONIC COPY TO	Kleinfelder	Attn: Angela Vogt
ELECTRONIC COPY TO	Kleinfelder	Attn: Leslie Schultheis

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Jessica A Oknefski at (717) 656-2300 Ext. 1815

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: MW-1 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267324
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 09:20 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
			ug/l	ug/l	
GC/MS Volatiles	SW-846 8260B				
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	< 80	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	< 5	5	1
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 5	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10903	Vinyl Chloride	75-01-4	< 5	5	1

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Analysis Report

Sample Description: MW-1 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267324
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 09:20 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS01

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Xylene (Total)	1330-20-7	< 5	5	1
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	< 0.095	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111171AA	04/27/2011 16:26	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111171AA	04/27/2011 16:26	Jason M Long	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11115B07A	04/26/2011 17:36	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11115B07A	04/26/2011 17:36	Laura M Krieger	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111150009A	04/26/2011 10:47	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111150009A	04/25/2011 19:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-2 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267325
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 09:50 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	330	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	910	25	5
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	170	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1

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Analysis Report

Sample Description: MW-2 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267325
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 09:50 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS02

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Vinyl Chloride	75-01-4	< 5	5	1
10903	Xylene (Total)	1330-20-7	< 5	5	1
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	1.7	0.050	1
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	0.50	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111171AA	04/27/2011 16:48	Jason M Long	5
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111171AA	04/27/2011 19:22	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111171AA	04/27/2011 16:48	Jason M Long	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L111171AA	04/27/2011 19:22	Jason M Long	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11115B07A	04/26/2011 18:01	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11115B07A	04/26/2011 18:01	Laura M Krieger	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111150009A	04/26/2011 11:06	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111150009A	04/25/2011 19:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-3 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267326
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 10:20 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
			ug/l	ug/l	
GC/MS Volatiles	SW-846 8260B				
10903	Acetone	67-64-1	< 1,000	1,000	50
10903	Acrolein	107-02-8	< 5,000	5,000	50
10903	Acrylonitrile	107-13-1	< 1,000	1,000	50
10903	t-Amyl methyl ether	994-05-8	< 250	250	50
10903	Benzene	71-43-2	20,000	2,500	500
10903	Bromodichloromethane	75-27-4	< 250	250	50
10903	Bromoform	75-25-2	< 250	250	50
10903	Bromomethane	74-83-9	< 250	250	50
10903	2-Butanone	78-93-3	< 500	500	50
10903	t-Butyl alcohol	75-65-0	< 4,000	4,000	50
10903	n-Butylbenzene	104-51-8	< 250	250	50
10903	sec-Butylbenzene	135-98-8	< 250	250	50
10903	Carbon Tetrachloride	56-23-5	< 250	250	50
10903	Chlorobenzene	108-90-7	< 250	250	50
10903	Chloroethane	75-00-3	< 250	250	50
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 500	500	50
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 250	250	50
10903	Chloromethane	74-87-3	< 250	250	50
10903	Dibromochloromethane	124-48-1	< 250	250	50
10903	1,2-Dichlorobenzene	95-50-1	< 250	250	50
10903	1,3-Dichlorobenzene	541-73-1	< 250	250	50
10903	1,4-Dichlorobenzene	106-46-7	< 250	250	50
10903	1,1-Dichloroethane	75-34-3	< 250	250	50
10903	1,2-Dichloroethane	107-06-2	< 250	250	50
10903	1,1-Dichloroethene	75-35-4	< 250	250	50
10903	cis-1,2-Dichloroethene	156-59-2	< 250	250	50
10903	trans-1,2-Dichloroethene	156-60-5	< 250	250	50
10903	1,2-Dichloropropane	78-87-5	< 250	250	50
10903	cis-1,3-Dichloropropene	10061-01-5	< 250	250	50
10903	trans-1,3-Dichloropropene	10061-02-6	< 250	250	50
10903	Ethyl t-butyl ether	637-92-3	< 250	250	50
10903	Ethylbenzene	100-41-4	3,900	250	50
10903	di-Isopropyl ether	108-20-3	5,100	250	50
10903	Isopropylbenzene	98-82-8	< 250	250	50
10903	p-Isopropyltoluene	99-87-6	< 250	250	50
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 250	250	50
10903	Methylene Chloride	75-09-2	< 250	250	50
10903	Naphthalene	91-20-3	810	250	50
10903	n-Propylbenzene	103-65-1	560	250	50
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 250	250	50
10903	Tetrachloroethene	127-18-4	< 250	250	50
10903	Toluene	108-88-3	48,000	2,500	500
10903	1,1,1-Trichloroethane	71-55-6	< 250	250	50
10903	1,1,2-Trichloroethane	79-00-5	< 250	250	50
10903	Trichloroethene	79-01-6	< 250	250	50
10903	Trichlorofluoromethane	75-69-4	< 250	250	50
10903	1,2,4-Trimethylbenzene	95-63-6	3,900	250	50
10903	1,3,5-Trimethylbenzene	108-67-8	1,100	250	50

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Analysis Report

Sample Description: MW-3 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267326
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 10:20 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Vinyl Chloride	75-01-4	< 250	250	50
10903	Xylene (Total)	1330-20-7	20,000	250	50
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	190	5.0	100
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	15	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111171AA	04/27/2011 17:32	Jason M Long	50
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111171AA	04/27/2011 17:54	Jason M Long	500
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111171AA	04/27/2011 17:32	Jason M Long	50
01163	GC/MS VOA Water Prep	SW-846 5030B	2	L111171AA	04/27/2011 17:54	Jason M Long	500
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11115B07A	04/26/2011 23:26	Laura M Krieger	100
01146	GC VOA Water Prep	SW-846 5030B	1	11115B07A	04/26/2011 23:26	Laura M Krieger	100
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111150009A	04/26/2011 11:26	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111150009A	04/25/2011 19:00	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-4 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267327
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 08:00 by CL

Kleinfelder
30 Porter Road
Littleton MA 01460

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

FRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	< 80	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	< 5	5	1
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 5	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10903	Vinyl Chloride	75-01-4	< 5	5	1

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Analysis Report

Sample Description: MW-4 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267327
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 08:00 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Xylene (Total)	1330-20-7	< 5	5	1
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	< 0.095	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111171AA	04/27/2011 18:16	Jason M Long	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111171AA	04/27/2011 18:16	Jason M Long	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11115B07A	04/26/2011 18:26	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11115B07A	04/26/2011 18:26	Laura M Krieger	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111170007A	05/03/2011 01:14	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111170007A	04/27/2011 18:15	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-5 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267328
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 08:25 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	92	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	< 5	5	1
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	21	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1

Sample Description: MW-5 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267328
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 08:25 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Vinyl Chloride	75-01-4	< 5	5	1
10903	Xylene (Total)	1330-20-7	< 5	5	1
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	0.18	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111172AA	04/28/2011 04:16	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111172AA	04/28/2011 04:16	Frank A Valla, Jr	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11115B07A	04/26/2011 18:51	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11115B07A	04/26/2011 18:51	Laura M Krieger	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111170007A	05/03/2011 02:41	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111170007A	04/27/2011 18:15	Kathryn I DeHaven	1

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Analysis Report

Sample Description: MW-6 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267329
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 08:55 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
			ug/l	ug/l	
GC/MS Volatiles	SW-846 8260B				
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	< 80	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	< 5	5	1
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 5	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10903	Vinyl Chloride	75-01-4	< 5	5	1

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Analysis Report

Sample Description: MW-6 Grab Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267329
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011 08:55 by CL

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Xylene (Total)	1330-20-7	< 5	5	1
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	0.46	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111172AA	04/28/2011 04:38	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111172AA	04/28/2011 04:38	Frank A Valla, Jr	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11115B07A	04/26/2011 19:41	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11115B07A	04/26/2011 19:41	Laura M Krieger	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111170007A	04/28/2011 10:37	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111170007A	04/27/2011 18:15	Kathryn I DeHaven	1

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Analysis Report

Sample Description: Trip Blank Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267330
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS0T

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	< 80	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	< 5	5	1
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 5	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10903	Vinyl Chloride	75-01-4	< 5	5	1

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Analysis Report

Sample Description: Trip Blank Water
1000 Forest Drive - Annapolis, MD

LLI Sample # WW 6267330
LLI Group # 1243622
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/22/2011

Submitted: 04/22/2011 17:00
Reported: 05/03/2011 14:49

Kleinfelder
30 Porter Road
Littleton MA 01460

FRS0T

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Xylene (Total)	1330-20-7	< 5	5	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	L111172AA	04/28/2011 05:00	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	L111172AA	04/28/2011 05:00	Frank A Valla, Jr	1

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Analysis Report

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/03/11 at 02:49 PM

Group Number: 1243622

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: L111171AA	Sample number(s): 6267324-6267327							
Acetone	< 20	20.	ug/l	98	96	49-234	1	30
Acrolein	< 100	100.	ug/l	85	87	43-135	2	30
Acrylonitrile	< 20	20.	ug/l	88	87	67-120	0	30
t-Amyl methyl ether	< 5	5.	ug/l	94	95	77-120	1	30
Benzene	< 5	5.	ug/l	97	96	79-120	1	30
Bromodichloromethane	< 5	5.	ug/l	93	93	80-120	0	30
Bromoform	< 5	5.	ug/l	87	87	61-120	0	30
Bromomethane	< 5	5.	ug/l	87	89	44-120	2	30
2-Butanone	< 10	10.	ug/l	90	89	66-151	2	30
t-Butyl alcohol	< 80	80.	ug/l	100	100	62-129	1	30
n-Butylbenzene	< 5	5.	ug/l	92	92	74-120	1	30
sec-Butylbenzene	< 5	5.	ug/l	93	92	78-120	1	30
Carbon Tetrachloride	< 5	5.	ug/l	92	94	75-123	2	30
Chlorobenzene	< 5	5.	ug/l	93	92	80-120	1	30
Chloroethane	< 5	5.	ug/l	88	88	49-129	0	30
2-Chloroethyl Vinyl Ether	< 10	10.	ug/l	91	93	56-129	2	30
Chloroform	< 5	5.	ug/l	98	96	77-122	1	30
Chloromethane	< 5	5.	ug/l	84	86	60-129	2	30
Dibromochloromethane	< 5	5.	ug/l	91	90	80-120	1	30
1,2-Dichlorobenzene	< 5	5.	ug/l	94	93	80-120	1	30
1,3-Dichlorobenzene	< 5	5.	ug/l	93	92	80-120	1	30
1,4-Dichlorobenzene	< 5	5.	ug/l	93	93	80-120	0	30
1,1-Dichloroethane	< 5	5.	ug/l	96	94	79-120	2	30
1,2-Dichloroethane	< 5	5.	ug/l	98	98	70-130	0	30
1,1-Dichloroethene	< 5	5.	ug/l	93	93	74-123	0	30
cis-1,2-Dichloroethene	< 5	5.	ug/l	96	95	80-120	1	30
trans-1,2-Dichloroethene	< 5	5.	ug/l	95	94	80-120	1	30
1,2-Dichloropropane	< 5	5.	ug/l	91	91	78-120	1	30
cis-1,3-Dichloropropene	< 5	5.	ug/l	93	92	80-120	1	30
trans-1,3-Dichloropropene	< 5	5.	ug/l	89	89	79-120	0	30
Ethyl t-butyl ether	< 5	5.	ug/l	95	95	76-120	0	30
Ethylbenzene	< 5	5.	ug/l	94	93	79-120	1	30
di-Isopropyl ether	< 5	5.	ug/l	93	93	71-124	0	30
Isopropylbenzene	< 5	5.	ug/l	95	95	77-120	0	30
p-Isopropyltoluene	< 5	5.	ug/l	90	89	80-120	1	30
Methyl Tertiary Butyl Ether	< 5	5.	ug/l	96	97	76-120	1	30
Methylene Chloride	< 5	5.	ug/l	93	95	80-120	2	30
Naphthalene	< 5	5.	ug/l	92	92	62-120	1	30
n-Propylbenzene	< 5	5.	ug/l	92	90	80-120	2	30
1,1,2,2-Tetrachloroethane	< 5	5.	ug/l	90	89	71-120	1	30
Tetrachloroethene	< 5	5.	ug/l	94	93	80-121	1	30
Toluene	< 5	5.	ug/l	93	93	79-120	0	30
1,1,1-Trichloroethane	< 5	5.	ug/l	98	97	75-127	1	30
1,1,2-Trichloroethane	< 5	5.	ug/l	93	93	80-120	1	30
Trichloroethene	< 5	5.	ug/l	93	93	80-120	1	30
Trichlorofluoromethane	< 5	5.	ug/l	91	92	64-129	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1243622

Reported: 05/03/11 at 02:49 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,4-Trimethylbenzene	< 5	5.	ug/l	92	91	74-120	0	30
1,3,5-Trimethylbenzene	< 5	5.	ug/l	91	91	75-120	0	30
Vinyl Chloride	< 5	5.	ug/l	85	85	65-125	0	30
Xylene (Total)	< 5	5.	ug/l	93	92	80-120	1	30
Batch number: L111172AA	Sample number(s): 6267328-6267330							
Acetone	< 20	20.	ug/l	96	91	49-234	6	30
Acrolein	< 100	100.	ug/l	86	85	43-135	1	30
Acrylonitrile	< 20	20.	ug/l	85	85	67-120	0	30
t-Amyl methyl ether	< 5	5.	ug/l	94	93	77-120	1	30
Benzene	< 5	5.	ug/l	98	97	79-120	2	30
Bromodichloromethane	< 5	5.	ug/l	95	92	80-120	3	30
Bromoform	< 5	5.	ug/l	87	84	61-120	3	30
Bromomethane	< 5	5.	ug/l	93	93	44-120	0	30
2-Butanone	< 10	10.	ug/l	87	85	66-151	2	30
t-Butyl alcohol	< 80	80.	ug/l	100	97	62-129	3	30
n-Butylbenzene	< 5	5.	ug/l	94	92	74-120	2	30
sec-Butylbenzene	< 5	5.	ug/l	94	93	78-120	1	30
Carbon Tetrachloride	< 5	5.	ug/l	97	94	75-123	2	30
Chlorobenzene	< 5	5.	ug/l	95	93	80-120	2	30
Chloroethane	< 5	5.	ug/l	92	90	49-129	2	30
2-Chloroethyl Vinyl Ether	< 10	10.	ug/l	93	90	56-129	3	30
Chloroform	< 5	5.	ug/l	101	98	77-122	3	30
Chloromethane	< 5	5.	ug/l	86	86	60-129	0	30
Dibromochloromethane	< 5	5.	ug/l	91	89	80-120	3	30
1,2-Dichlorobenzene	< 5	5.	ug/l	96	93	80-120	3	30
1,3-Dichlorobenzene	< 5	5.	ug/l	96	93	80-120	3	30
1,4-Dichlorobenzene	< 5	5.	ug/l	96	93	80-120	3	30
1,1-Dichloroethane	< 5	5.	ug/l	98	94	79-120	3	30
1,2-Dichloroethane	< 5	5.	ug/l	102	100	70-130	2	30
1,1-Dichloroethene	< 5	5.	ug/l	96	95	74-123	1	30
cis-1,2-Dichloroethene	< 5	5.	ug/l	97	95	80-120	3	30
trans-1,2-Dichloroethene	< 5	5.	ug/l	96	93	80-120	3	30
1,2-Dichloropropane	< 5	5.	ug/l	92	90	78-120	2	30
cis-1,3-Dichloropropene	< 5	5.	ug/l	94	91	80-120	3	30
trans-1,3-Dichloropropene	< 5	5.	ug/l	90	88	79-120	2	30
Ethyl t-butyl ether	< 5	5.	ug/l	95	93	76-120	2	30
Ethylbenzene	< 5	5.	ug/l	97	94	79-120	2	30
di-Isopropyl ether	< 5	5.	ug/l	94	92	71-124	2	30
Isopropylbenzene	< 5	5.	ug/l	99	97	77-120	2	30
p-Isopropyltoluene	< 5	5.	ug/l	93	91	80-120	1	30
Methyl Tertiary Butyl Ether	< 5	5.	ug/l	97	95	76-120	2	30
Methylene Chloride	< 5	5.	ug/l	97	94	80-120	3	30
Naphthalene	< 5	5.	ug/l	94	92	62-120	1	30
n-Propylbenzene	< 5	5.	ug/l	95	92	80-120	4	30
1,1,2,2-Tetrachloroethane	< 5	5.	ug/l	92	91	71-120	1	30
Tetrachloroethene	< 5	5.	ug/l	99	95	80-121	4	30
Toluene	< 5	5.	ug/l	96	94	79-120	2	30
1,1,1-Trichloroethane	< 5	5.	ug/l	102	99	75-127	3	30
1,1,2-Trichloroethane	< 5	5.	ug/l	93	91	80-120	1	30
Trichloroethene	< 5	5.	ug/l	96	95	80-120	1	30
Trichlorofluoromethane	< 5	5.	ug/l	97	94	64-129	2	30
1,2,4-Trimethylbenzene	< 5	5.	ug/l	94	92	74-120	2	30
1,3,5-Trimethylbenzene	< 5	5.	ug/l	94	91	75-120	3	30
Vinyl Chloride	< 5	5.	ug/l	88	87	65-125	1	30
Xylene (Total)	< 5	5.	ug/l	95	93	80-120	2	30
Batch number: 11115B07A	Sample number(s): 6267324-6267329							

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1243622

Reported: 05/03/11 at 02:49 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
TPH-GRO water C6-C10	< 0.050	0.050	mg/l	89	91	75-135	2	30
Batch number: 111150009A	Sample number(s): 6267324-6267326							
TPH-DRO water C10-C28	< 0.10	0.10	mg/l	83	80	56-122	3	20
Batch number: 111170007A	Sample number(s): 6267327-6267329							
TPH-DRO water C10-C28	< 0.10	0.10	mg/l	71	74	56-122	3	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: L111171AA	Sample number(s): 6267324-6267327 UNSPK: P265115								
Acetone	94	92	52-139	2	30				
Acrolein	83	83	24-145	0	30				
Acrylonitrile	87	88	60-123	1	30				
t-Amyl methyl ether	99	98	75-122	0	30				
Benzene	106	106	80-126	0	30				
Bromodichloromethane	98	98	78-125	0	30				
Bromoform	85	86	60-121	1	30				
Bromomethane	98	98	38-149	1	30				
2-Butanone	89	89	57-138	0	30				
t-Butyl alcohol	100	100	67-119	0	30				
n-Butylbenzene	101	101	73-128	0	30				
sec-Butylbenzene	102	103	79-125	1	30				
Carbon Tetrachloride	108	106	81-138	2	30				
Chlorobenzene	99	101	87-124	2	30				
Chloroethane	98	99	51-145	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	105	105	81-134	0	30				
Chloromethane	95	97	67-154	2	30				
Dibromochloromethane	92	91	74-116	1	30				
1,2-Dichlorobenzene	97	99	84-119	1	30				
1,3-Dichlorobenzene	99	100	86-121	1	30				
1,4-Dichlorobenzene	98	99	85-121	1	30				
1,1-Dichloroethane	105	106	84-129	0	30				
1,2-Dichloroethane	105	104	66-141	1	30				
1,1-Dichloroethene	109	109	85-142	0	30				
cis-1,2-Dichloroethene	104	104	85-125	0	30				
trans-1,2-Dichloroethene	106	105	87-126	1	30				
1,2-Dichloropropane	99	99	83-124	1	30				
cis-1,3-Dichloropropene	93	93	75-125	0	30				
trans-1,3-Dichloropropene	87	89	74-119	2	30				
Ethyl t-butyl ether	100	99	74-122	2	30				
Ethylbenzene	102	103	71-134	2	30				
di-Isopropyl ether	99	98	70-129	1	30				
Isopropylbenzene	105	106	75-128	1	30				
p-Isopropyltoluene	97	100	76-123	3	30				
Methyl Tertiary Butyl Ether	101	100	72-126	1	30				
Methylene Chloride	101	102	79-120	0	30				
Naphthalene	93	94	52-125	1	30				

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1243622

Reported: 05/03/11 at 02:49 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
n-Propylbenzene	100	100	74-134	1	30				
1,1,2,2-Tetrachloroethane	92	92	72-128	0	30				
Tetrachloroethene	106	106	80-128	0	30				
Toluene	102	103	80-125	1	30				
1,1,1-Trichloroethane	111	110	80-143	1	30				
1,1,2-Trichloroethane	96	96	77-124	0	30				
Trichloroethene	107	106	88-133	1	30				
Trichlorofluoromethane	113	112	73-152	0	30				
1,2,4-Trimethylbenzene	98	99	72-130	1	30				
1,3,5-Trimethylbenzene	99	100	72-131	1	30				
Vinyl Chloride	99	99	66-133	0	30				
Xylene (Total)	100	102	79-125	2	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Std. Water Master
Batch number: L111171AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6267324	106	101	99	99
6267325	105	102	99	100
6267326	105	101	99	100
6267327	107	102	100	100
Blank	101	100	98	99
LCS	101	98	98	99
LCSD	101	99	98	99
MS	103	101	99	100
MSD	101	100	98	101
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Std. Water Master
Batch number: L111172AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6267328	105	100	98	98
6267329	104	104	98	98
6267330	104	100	100	98
Blank	105	102	99	99
LCS	107	101	100	100
LCSD	107	100	100	99
Limits:	80-116	77-113	80-113	78-113

Analysis Name: TPH-GRO water C6-C10
Batch number: 11115B07A

	Trifluorotoluene-F

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 05/03/11 at 02:49 PM

Group Number: 1243622

Surrogate Quality Control

6267324	81
6267325	92
6267326	89
6267327	83
6267328	82
6267329	86
Blank	86
LCS	93
LCSD	93
Limits:	63-135

Analysis Name: TPH-DRO water C10-C28
Batch number: 111150009A

	Orthoterphenyl
6267324	75
6267325	92
6267326	110
Blank	84
LCS	98
LCSD	93
Limits:	54-127

Analysis Name: TPH-DRO water C10-C28
Batch number: 111170007A

	Orthoterphenyl
6267327	100
6267328	95
6267329	90
Blank	86
LCS	95
LCSD	99
Limits:	54-127

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 1743622 Sample #: 6267324-30

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	Mark Steele	P.O. #:	08531-105913
Sampler:	Charlie Low	Quote #:	
Name of State where samples were collected:	Maryland		

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Potable	Matrix: NPDES	Matrix: Water	Matrix: Other	Total # of Containers	Full List VOC+oxy/8260 (H)	MTBE 8260 (H)	TPH-GRO 8015 (H)	TPH-DRO 8015 (H)	Remarks
MW-1	4/22/11	0920	X					X		8	X	X	X	X	Cooler 2 of 2
MW-2		0950	X					X		8	X	X	X	X	
MW-3		1020	X					X		8	X	X	X	X	
MW-4		0800	X					X		8	X	X	X	X	
MW-5		0825	X					X		8	X	X	X	X	
MW-6		0855	X					X		8	X	X	X	X	
~~TF-1~~ (cc)															
~~TF-2~~ (cc)															
Trip Blank	—	—						X		2	X	X			

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

For Lab Use Only

FSC:

SCR#:

Turnaround Time Requested (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: Fax #:

E-mail address:

Data Package Options (please circle if required)

Type I (validation/NJ reg) TX-TRRP-13

Type II (Tier II) MA MCP CT RCP

Type III (Reduced NJ)

Type IV (CLP SOW)

Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No

(If yes, indicated QC sample and submit triplecate volume)

Internal COC required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
Charlie Low	4/22/11	1200	Bill DeLong	4-22-11	1340
Bill DeLong	4-22-11	1760			

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Lancaster Laboratories

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit
N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)
BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
ng	nanogram(s)
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)

<	less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
>	greater than
J	estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Kleinfelder
30 Porter Road
Littleton MA 01460

June 22, 2011

Project: Southside Oil 27235

Submittal Date: 06/10/2011
Group Number: 1250976
PO Number: 51141-143836
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LLI) #
TW-3 Grab Water	6312960
TW-4 Grab Water	6312961
TW-5 Grab Water	6312962
TW-6 Grab Water	6312963
TW-7 Grab Water	6312964
Trip Blank Water	6312965

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Kleinfelder	Attn: Mark Steele
ELECTRONIC COPY TO	Kleinfelder	Attn: Angela Vogt
ELECTRONIC COPY TO	Kleinfelder	Attn: Leslie Schultheis
ELECTRONIC COPY TO	Kleinfelder	Attn: Natalie Hendricks

Lancaster Laboratories

Analysis Report

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Questions? Contact your Client Services Representative
Natalie R Luciano at (717) 656-2300 Ext. 1881

Respectfully Submitted,

Lawrence M. Taylor
Senior Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: TW-3 Grab Water
Southside Oil 27235

LLI Sample # WW 6312960
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 15:10 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10903	Acetone	67-64-1	< 200	200	10
10903	Acrolein	107-02-8	< 1,000	1,000	10
10903	Acrylonitrile	107-13-1	< 200	200	10
10903	t-Amyl methyl ether	994-05-8	< 50	50	10
10903	**Benzene**	71-43-2	**1,200**	50	10
10903	Bromodichloromethane	75-27-4	< 50	50	10
10903	Bromoform	75-25-2	< 50	50	10
10903	Bromomethane	74-83-9	< 50	50	10
10903	2-Butanone	78-93-3	< 100	100	10
10903	t-Butyl alcohol	75-65-0	< 800	800	10
10903	**n-Butylbenzene**	104-51-8	**82**	50	10
10903	sec-Butylbenzene	135-98-8	< 50	50	10
10903	Carbon Tetrachloride	56-23-5	< 50	50	10
10903	Chlorobenzene	108-90-7	< 50	50	10
10903	Chloroethane	75-00-3	< 50	50	10
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 100	100	10
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 50	50	10
10903	Chloromethane	74-87-3	< 50	50	10
10903	Dibromochloromethane	124-48-1	< 50	50	10
10903	1,2-Dichlorobenzene	95-50-1	< 50	50	10
10903	1,3-Dichlorobenzene	541-73-1	< 50	50	10
10903	1,4-Dichlorobenzene	106-46-7	< 50	50	10
10903	1,1-Dichloroethane	75-34-3	< 50	50	10
10903	1,2-Dichloroethane	107-06-2	< 50	50	10
10903	1,1-Dichloroethene	75-35-4	< 50	50	10
10903	cis-1,2-Dichloroethene	156-59-2	< 50	50	10
10903	trans-1,2-Dichloroethene	156-60-5	< 50	50	10
10903	1,2-Dichloropropane	78-87-5	< 50	50	10
10903	cis-1,3-Dichloropropene	10061-01-5	< 50	50	10
10903	trans-1,3-Dichloropropene	10061-02-6	< 50	50	10
10903	Ethyl t-butyl ether	637-92-3	< 50	50	10
10903	**Ethylbenzene**	100-41-4	**2,100**	50	10
10903	di-Isopropyl ether	108-20-3	< 50	50	10
10903	**Isopropylbenzene**	98-82-8	**180**	50	10
10903	p-Isopropyltoluene	99-87-6	< 50	50	10
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 50	50	10
10903	Methylene Chloride	75-09-2	< 50	50	10
10903	**Naphthalene**	91-20-3	**570**	50	10
10903	**n-Propylbenzene**	103-65-1	**600**	50	10
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 50	50	10
10903	Tetrachloroethene	127-18-4	< 50	50	10
10903	**Toluene**	108-88-3	**8,300**	500	100
10903	1,1,1-Trichloroethane	71-55-6	< 50	50	10
10903	1,1,2-Trichloroethane	79-00-5	< 50	50	10
10903	Trichloroethene	79-01-6	< 50	50	10
10903	Trichlorofluoromethane	75-69-4	< 50	50	10
10903	**1,2,4-Trimethylbenzene**	95-63-6	**3,200**	500	100
10903	**1,3,5-Trimethylbenzene**	108-67-8	**1,100**	50	10

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Analysis Report

Sample Description: TW-3 Grab Water
Southside Oil 27235

LLI Sample # WW 6312960
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 15:10 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW03

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Vinyl Chloride	75-01-4	< 50	50	10
10903	Xylene (Total)	1330-20-7	10,000	500	100
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	69	1.0	20

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 00:58	Frank A Valla, Jr	10
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 01:19	Frank A Valla, Jr	100
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111653AA	06/15/2011 00:58	Frank A Valla, Jr	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y111653AA	06/15/2011 01:19	Frank A Valla, Jr	100
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11166A07A	06/16/2011 06:00	Laura M Krieger	20
01146	GC VOA Water Prep	SW-846 5030B	1	11166A07A	06/16/2011 06:00	Laura M Krieger	20

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Analysis Report

Sample Description: TW-4 Grab Water
Southside Oil 27235

LLI Sample # WW 6312961
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 14:20 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 100	100	5
10903	Acrolein	107-02-8	< 500	500	5
10903	Acrylonitrile	107-13-1	< 100	100	5
10903	t-Amyl methyl ether	994-05-8	< 25	25	5
10903	Benzene	71-43-2	4,700	250	50
10903	Bromodichloromethane	75-27-4	< 25	25	5
10903	Bromoform	75-25-2	< 25	25	5
10903	Bromomethane	74-83-9	< 25	25	5
10903	2-Butanone	78-93-3	< 50	50	5
10903	t-Butyl alcohol	75-65-0	1,200	400	5
10903	n-Butylbenzene	104-51-8	< 25	25	5
10903	sec-Butylbenzene	135-98-8	< 25	25	5
10903	Carbon Tetrachloride	56-23-5	< 25	25	5
10903	Chlorobenzene	108-90-7	< 25	25	5
10903	Chloroethane	75-00-3	< 25	25	5
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 50	50	5
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 25	25	5
10903	Chloromethane	74-87-3	< 25	25	5
10903	Dibromochloromethane	124-48-1	< 25	25	5
10903	1,2-Dichlorobenzene	95-50-1	< 25	25	5
10903	1,3-Dichlorobenzene	541-73-1	< 25	25	5
10903	1,4-Dichlorobenzene	106-46-7	< 25	25	5
10903	1,1-Dichloroethane	75-34-3	< 25	25	5
10903	1,2-Dichloroethane	107-06-2	< 25	25	5
10903	1,1-Dichloroethene	75-35-4	< 25	25	5
10903	cis-1,2-Dichloroethene	156-59-2	< 25	25	5
10903	trans-1,2-Dichloroethene	156-60-5	< 25	25	5
10903	1,2-Dichloropropane	78-87-5	< 25	25	5
10903	cis-1,3-Dichloropropene	10061-01-5	< 25	25	5
10903	trans-1,3-Dichloropropene	10061-02-6	< 25	25	5
10903	Ethyl t-butyl ether	637-92-3	< 25	25	5
10903	Ethylbenzene	100-41-4	380	25	5
10903	di-Isopropyl ether	108-20-3	290	25	5
10903	Isopropylbenzene	98-82-8	< 25	25	5
10903	p-Isopropyltoluene	99-87-6	< 25	25	5
10903	Methyl Tertiary Butyl Ether	1634-04-4	82	25	5
10903	Methylene Chloride	75-09-2	< 25	25	5
10903	Naphthalene	91-20-3	33	25	5
10903	n-Propylbenzene	103-65-1	< 25	25	5
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 25	25	5
10903	Tetrachloroethene	127-18-4	< 25	250	50
10903	Toluene	108-88-3	8,300	25	5
10903	1,1,1-Trichloroethane	71-55-6	< 25	25	5
10903	1,1,2-Trichloroethane	79-00-5	< 25	25	5
10903	Trichloroethene	79-01-6	< 25	25	5
10903	Trichlorofluoromethane	75-69-4	< 25	25	5
10903	1,2,4-Trimethylbenzene	95-63-6	140		

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Analysis Report

Sample Description: TW-4 Grab Water
Southside Oil 27235

LLI Sample # WW 6312961
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 14:20 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW04

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	1,3,5-Trimethylbenzene	108-67-8	37	25	5
10903	Vinyl Chloride	75-01-4	< 25	25	5
10903	Xylene (Total)	1330-20-7	1,500	25	5
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	33	1.0	20
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	1.9	1.0	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 00:17	Frank A Valla, Jr	5
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 00:37	Frank A Valla, Jr	50
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111653AA	06/15/2011 00:17	Frank A Valla, Jr	5
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y111653AA	06/15/2011 00:37	Frank A Valla, Jr	50
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11166A07A	06/16/2011 06:25	Laura M Krieger	20
01146	GC VOA Water Prep	SW-846 5030B	1	11166A07A	06/16/2011 06:25	Laura M Krieger	20
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111640010A	06/15/2011 03:11	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111640010A	06/13/2011 18:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: TW-5 Grab Water
Southside Oil 27235

LLI Sample # WW 6312962
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 13:40 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	1,900	400	20
10903	Acrolein	107-02-8	< 2,000	2,000	20
10903	Acrylonitrile	107-13-1	< 400	400	20
10903	t-Amyl methyl ether	994-05-8	< 100	100	20
10903	Benzene	71-43-2	9,300	1,000	200
10903	Bromodichloromethane	75-27-4	< 100	100	20
10903	Bromoform	75-25-2	< 100	100	20
10903	Bromomethane	74-83-9	< 100	100	20
10903	2-Butanone	78-93-3	< 200	200	20
10903	t-Butyl alcohol	75-65-0	3,700	1,600	20
10903	n-Butylbenzene	104-51-8	< 100	100	20
10903	sec-Butylbenzene	135-98-8	< 100	100	20
10903	Carbon Tetrachloride	56-23-5	< 100	100	20
10903	Chlorobenzene	108-90-7	< 100	100	20
10903	Chloroethane	75-00-3	< 100	100	20
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 200	200	20
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 100	100	20
10903	Chloromethane	74-87-3	< 100	100	20
10903	Dibromochloromethane	124-48-1	< 100	100	20
10903	1,2-Dichlorobenzene	95-50-1	< 100	100	20
10903	1,3-Dichlorobenzene	541-73-1	< 100	100	20
10903	1,4-Dichlorobenzene	106-46-7	< 100	100	20
10903	1,1-Dichloroethane	75-34-3	< 100	100	20
10903	1,2-Dichloroethane	107-06-2	< 100	100	20
10903	1,1-Dichloroethene	75-35-4	< 100	100	20
10903	cis-1,2-Dichloroethene	156-59-2	< 100	100	20
10903	trans-1,2-Dichloroethene	156-60-5	< 100	100	20
10903	1,2-Dichloropropane	78-87-5	< 100	100	20
10903	cis-1,3-Dichloropropene	10061-01-5	< 100	100	20
10903	trans-1,3-Dichloropropene	10061-02-6	< 100	100	20
10903	Ethyl t-butyl ether	637-92-3	< 100	100	20
10903	Ethylbenzene	100-41-4	1,400	100	20
10903	di-Isopropyl ether	108-20-3	11,000	1,000	200
10903	Isopropylbenzene	98-82-8	< 100	100	20
10903	p-Isopropyltoluene	99-87-6	< 100	100	20
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 100	100	20
10903	Methylene Chloride	75-09-2	< 100	100	20
10903	Naphthalene	91-20-3	130	100	20
10903	n-Propylbenzene	103-65-1	110	100	20
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 100	100	20
10903	Tetrachloroethene	127-18-4	< 100	100	20
10903	Toluene	108-88-3	18,000	1,000	200
10903	1,1,1-Trichloroethane	71-55-6	< 100	100	20
10903	1,1,2-Trichloroethane	79-00-5	< 100	100	20
10903	Trichloroethene	79-01-6	< 100	100	20
10903	Trichlorofluoromethane	75-69-4	< 100	100	20
10903	1,2,4-Trimethylbenzene	95-63-6	700	100	20

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Analysis Report

Sample Description: TW-5 Grab Water
Southside Oil 27235

LLI Sample # WW 6312962
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 13:40 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW05

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	1,3,5-Trimethylbenzene	108-67-8	180	100	20
10903	Vinyl Chloride	75-01-4	< 100	100	20
10903	Xylene (Total)	1330-20-7	6,800	100	20
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	71	2.5	50

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 01:39	Frank A Valla, Jr	20
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 02:00	Frank A Valla, Jr	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111653AA	06/15/2011 01:39	Frank A Valla, Jr	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y111653AA	06/15/2011 02:00	Frank A Valla, Jr	200
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11166A07A	06/16/2011 06:51	Laura M Krieger	50
01146	GC VOA Water Prep	SW-846 5030B	1	11166A07A	06/16/2011 06:51	Laura M Krieger	50

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Analysis Report

Sample Description: TW-6 Grab Water
Southside Oil 27235

LLI Sample # WW 6312963
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 13:10 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 400	400	20
10903	Acrolein	107-02-8	< 2,000	2,000	20
10903	Acrylonitrile	107-13-1	< 400	400	20
10903	t-Amyl methyl ether	994-05-8	< 100	100	20
10903	Benzene	71-43-2	7,500	1,000	200
10903	Bromodichloromethane	75-27-4	< 100	100	20
10903	Bromoform	75-25-2	< 100	100	20
10903	Bromomethane	74-83-9	< 100	100	20
10903	2-Butanone	78-93-3	< 200	200	20
10903	t-Butyl alcohol	75-65-0	< 1,600	1,600	20
10903	n-Butylbenzene	104-51-8	< 100	100	20
10903	sec-Butylbenzene	135-98-8	< 100	100	20
10903	Carbon Tetrachloride	56-23-5	< 100	100	20
10903	Chlorobenzene	108-90-7	< 100	100	20
10903	Chloroethane	75-00-3	< 100	100	20
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 200	200	20
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 100	100	20
10903	Chloromethane	74-87-3	< 100	100	20
10903	Dibromochloromethane	124-48-1	< 100	100	20
10903	1,2-Dichlorobenzene	95-50-1	< 100	100	20
10903	1,3-Dichlorobenzene	541-73-1	< 100	100	20
10903	1,4-Dichlorobenzene	106-46-7	< 100	100	20
10903	1,1-Dichloroethane	75-34-3	< 100	100	20
10903	1,2-Dichloroethane	107-06-2	< 100	100	20
10903	1,1-Dichloroethene	75-35-4	< 100	100	20
10903	cis-1,2-Dichloroethene	156-59-2	< 100	100	20
10903	trans-1,2-Dichloroethene	156-60-5	< 100	100	20
10903	1,2-Dichloropropane	78-87-5	< 100	100	20
10903	cis-1,3-Dichloropropene	10061-01-5	< 100	100	20
10903	trans-1,3-Dichloropropene	10061-02-6	< 100	100	20
10903	Ethyl t-butyl ether	637-92-3	< 100	100	20
10903	Ethylbenzene	100-41-4	540	100	20
10903	di-Isopropyl ether	108-20-3	5,300	100	20
10903	Isopropylbenzene	98-82-8	< 100	100	20
10903	p-Isopropyltoluene	99-87-6	< 100	100	20
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 100	100	20
10903	Methylene Chloride	75-09-2	< 100	100	20
10903	Naphthalene	91-20-3	< 100	100	20
10903	n-Propylbenzene	103-65-1	< 100	100	20
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 100	100	20
10903	Tetrachloroethene	127-18-4	< 100	100	20
10903	Toluene	108-88-3	13,000	1,000	200
10903	1,1,1-Trichloroethane	71-55-6	< 100	100	20
10903	1,1,2-Trichloroethane	79-00-5	< 100	100	20
10903	Trichloroethene	79-01-6	< 100	100	20
10903	Trichlorofluoromethane	75-69-4	< 100	100	20
10903	1,2,4-Trimethylbenzene	95-63-6	110	100	20
10903	1,3,5-Trimethylbenzene	108-67-8	< 100	100	20

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Analysis Report

Sample Description: TW-6 Grab Water
Southside Oil 27235

LLI Sample # WW 6312963
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 13:10 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW06

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Vinyl Chloride	75-01-4	< 100	100	20
10903	Xylene (Total)	1330-20-7	2,100	100	20
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	44	2.5	50
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	1.3	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 02:20	Frank A Valla, Jr	20
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/15/2011 02:41	Frank A Valla, Jr	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111653AA	06/15/2011 02:20	Frank A Valla, Jr	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y111653AA	06/15/2011 02:41	Frank A Valla, Jr	200
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11166A07A	06/16/2011 07:17	Laura M Krieger	50
01146	GC VOA Water Prep	SW-846 5030B	1	11166A07A	06/16/2011 07:17	Laura M Krieger	50
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111640010A	06/15/2011 01:13	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111640010A	06/13/2011 18:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: TW-7 Grab Water
Southside Oil 27235

LLI Sample # WW 6312964
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 12:30 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	110	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	< 80	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	180	5	1
10903	di-Isopropyl ether	108-20-3	92	5	1
10903	Isopropylbenzene	98-82-8	9	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 5	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	17	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	360	50	10
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	52	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	17	5	1

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Analysis Report

Sample Description: TW-7 Grab Water
Southside Oil 27235

LLI Sample # WW 6312964
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011 12:30 by JG

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW07

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Vinyl Chloride	75-01-4	< 5	5	1
10903	Xylene (Total)	1330-20-7	680	5	1
GC Volatiles	SW-846 8015B		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	3.2	0.050	1
GC Extractable TPH	SW-846 8015B		mg/l	mg/l	
08269	TPH-DRO water C10-C28	n.a.	0.23	0.095	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/14/2011 23:56	Frank A Valla, Jr	1
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111662AA	06/15/2011 20:55	Frank A Valla, Jr	10
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111653AA	06/14/2011 23:56	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y111662AA	06/15/2011 20:55	Frank A Valla, Jr	10
01635	TPH-GRO water C6-C10	SW-846 8015B	1	11166A07A	06/16/2011 01:16	Laura M Krieger	1
01146	GC VOA Water Prep	SW-846 5030B	1	11166A07A	06/16/2011 01:16	Laura M Krieger	1
08269	TPH-DRO water C10-C28	SW-846 8015B	1	111640010A	06/15/2011 00:56	Dustin A Underkoffler	1
07003	Extraction - DRO (Waters)	SW-846 3510C	1	111640010A	06/13/2011 18:30	Kathryn I DeHaven	1

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Analysis Report

Sample Description: Trip Blank Water
Southside Oil 27235

LLI Sample # WW 6312965
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TWOT

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Acetone	67-64-1	< 20	20	1
10903	Acrolein	107-02-8	< 100	100	1
10903	Acrylonitrile	107-13-1	< 20	20	1
10903	t-Amyl methyl ether	994-05-8	< 5	5	1
10903	Benzene	71-43-2	< 5	5	1
10903	Bromodichloromethane	75-27-4	< 5	5	1
10903	Bromoform	75-25-2	< 5	5	1
10903	Bromomethane	74-83-9	< 5	5	1
10903	2-Butanone	78-93-3	< 10	10	1
10903	t-Butyl alcohol	75-65-0	< 80	80	1
10903	n-Butylbenzene	104-51-8	< 5	5	1
10903	sec-Butylbenzene	135-98-8	< 5	5	1
10903	Carbon Tetrachloride	56-23-5	< 5	5	1
10903	Chlorobenzene	108-90-7	< 5	5	1
10903	Chloroethane	75-00-3	< 5	5	1
10903	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered if acid was used to preserve this sample.				
10903	Chloroform	67-66-3	< 5	5	1
10903	Chloromethane	74-87-3	< 5	5	1
10903	Dibromochloromethane	124-48-1	< 5	5	1
10903	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10903	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10903	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10903	1,1-Dichloroethane	75-34-3	< 5	5	1
10903	1,2-Dichloroethane	107-06-2	< 5	5	1
10903	1,1-Dichloroethene	75-35-4	< 5	5	1
10903	cis-1,2-Dichloroethene	156-59-2	< 5	5	1
10903	trans-1,2-Dichloroethene	156-60-5	< 5	5	1
10903	1,2-Dichloropropane	78-87-5	< 5	5	1
10903	cis-1,3-Dichloropropene	10061-01-5	< 5	5	1
10903	trans-1,3-Dichloropropene	10061-02-6	< 5	5	1
10903	Ethyl t-butyl ether	637-92-3	< 5	5	1
10903	Ethylbenzene	100-41-4	< 5	5	1
10903	di-Isopropyl ether	108-20-3	< 5	5	1
10903	Isopropylbenzene	98-82-8	< 5	5	1
10903	p-Isopropyltoluene	99-87-6	< 5	5	1
10903	Methyl Tertiary Butyl Ether	1634-04-4	< 5	5	1
10903	Methylene Chloride	75-09-2	< 5	5	1
10903	Naphthalene	91-20-3	< 5	5	1
10903	n-Propylbenzene	103-65-1	< 5	5	1
10903	1,1,2,2-Tetrachloroethane	79-34-5	< 5	5	1
10903	Tetrachloroethene	127-18-4	< 5	5	1
10903	Toluene	108-88-3	< 5	5	1
10903	1,1,1-Trichloroethane	71-55-6	< 5	5	1
10903	1,1,2-Trichloroethane	79-00-5	< 5	5	1
10903	Trichloroethene	79-01-6	< 5	5	1
10903	Trichlorofluoromethane	75-69-4	< 5	5	1
10903	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10903	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10903	Vinyl Chloride	75-01-4	< 5	5	1

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Analysis Report

Sample Description: Trip Blank Water
Southside Oil 27235

LLI Sample # WW 6312965
LLI Group # 1250976
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/09/2011

Submitted: 06/10/2011 15:25
Reported: 06/22/2011 12:36

Kleinfelder
30 Porter Road
Littleton MA 01460

-TW0T

CAT No.	Analysis Name	CAS Number	As Received Result	As Received Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		ug/l	ug/l	
10903	Xylene (Total)	1330-20-7	< 5	5	1

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10903	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Y111653AA	06/14/2011 23:35	Frank A Valla, Jr	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	Y111653AA	06/14/2011 23:35	Frank A Valla, Jr	1

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Analysis Report

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/11 at 12:36 PM

Group Number: 1250976

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Y111653AA	Sample number(s): 6312960-6312965							
Acetone	< 20	20.	ug/l	97		49-234		
Acrolein	< 100	100.	ug/l	88		43-135		
Acrylonitrile	< 20	20.	ug/l	93		67-120		
t-Amyl methyl ether	< 5	5.	ug/l	92		77-120		
Benzene	< 5	5.	ug/l	101		79-120		
Bromodichloromethane	< 5	5.	ug/l	99		80-120		
Bromoform	< 5	5.	ug/l	103		61-120		
Bromomethane	< 5	5.	ug/l	81		44-120		
2-Butanone	< 10	10.	ug/l	93		66-151		
t-Butyl alcohol	< 80	80.	ug/l	96		62-129		
n-Butylbenzene	< 5	5.	ug/l	91		74-120		
sec-Butylbenzene	< 5	5.	ug/l	91		78-120		
Carbon Tetrachloride	< 5	5.	ug/l	106		75-123		
Chlorobenzene	< 5	5.	ug/l	99		80-120		
Chloroethane	< 5	5.	ug/l	79		49-129		
2-Chloroethyl Vinyl Ether	< 10	10.	ug/l	93		56-129		
Chloroform	< 5	5.	ug/l	104		77-122		
Chloromethane	< 5	5.	ug/l	95		60-129		
Dibromochloromethane	< 5	5.	ug/l	96		80-120		
1,2-Dichlorobenzene	< 5	5.	ug/l	99		80-120		
1,3-Dichlorobenzene	< 5	5.	ug/l	104		80-120		
1,4-Dichlorobenzene	< 5	5.	ug/l	102		80-120		
1,1-Dichloroethane	< 5	5.	ug/l	105		79-120		
1,2-Dichloroethane	< 5	5.	ug/l	109		70-130		
1,1-Dichloroethene	< 5	5.	ug/l	98		74-123		
cis-1,2-Dichloroethene	< 5	5.	ug/l	102		80-120		
trans-1,2-Dichloroethene	< 5	5.	ug/l	105		80-120		
1,2-Dichloropropane	< 5	5.	ug/l	98		78-120		
cis-1,3-Dichloropropene	< 5	5.	ug/l	95		80-120		
trans-1,3-Dichloropropene	< 5	5.	ug/l	89		79-120		
Ethyl t-butyl ether	< 5	5.	ug/l	94		76-120		
Ethylbenzene	< 5	5.	ug/l	95		79-120		
di-Isopropyl ether	< 5	5.	ug/l	98		71-124		
Isopropylbenzene	< 5	5.	ug/l	98		77-120		
p-Isopropyltoluene	< 5	5.	ug/l	97		80-120		
Methyl Tertiary Butyl Ether	< 5	5.	ug/l	97		76-120		
Methylene Chloride	< 5	5.	ug/l	105		80-120		
Naphthalene	< 5	5.	ug/l	93		62-120		
n-Propylbenzene	< 5	5.	ug/l	91		80-120		
1,1,2,2-Tetrachloroethane	< 5	5.	ug/l	90		71-120		
Tetrachloroethene	< 5	5.	ug/l	110		80-121		
Toluene	< 5	5.	ug/l	93		79-120		
1,1,1-Trichloroethane	< 5	5.	ug/l	104		75-127		
1,1,2-Trichloroethane	< 5	5.	ug/l	96		80-120		
Trichloroethene	< 5	5.	ug/l	101		80-120		
Trichlorofluoromethane	< 5	5.	ug/l	93		64-129		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1250976

Reported: 06/22/11 at 12:36 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,4-Trimethylbenzene	< 5	5.	ug/l	96		74-120		
1,3,5-Trimethylbenzene	< 5	5.	ug/l	97		75-120		
Vinyl Chloride	< 5	5.	ug/l	90		65-125		
Xylene (Total)	< 5	5.	ug/l	94		80-120		
Batch number: Y111662AA	Sample number(s): 6312964							
Toluene	< 5	5.	ug/l	91	92	79-120	1	30
Batch number: 11166A07A	Sample number(s): 6312960-6312964							
TPH-GRO water C6-C10	< 0.050	0.050	mg/l	89	91	75-135	2	30
Batch number: 111640010A	Sample number(s): 6312961,6312963-6312964							
TPH-DRO water C10-C28	< 0.10	0.10	mg/l	88	86	56-122	1	20

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: Y111653AA	Sample number(s): 6312960-6312965 UNSPK: P312874								
Acetone	102	85	52-139	18	30				
Acrolein	86	85	24-145	2	30				
Acrylonitrile	89	90	60-123	0	30				
t-Amyl methyl ether	91	93	75-122	2	30				
Benzene	105	105	80-126	0	30				
Bromodichloromethane	100	100	78-125	0	30				
Bromoform	98	98	60-121	0	30				
Bromomethane	84	83	38-149	0	30				
2-Butanone	90	90	57-138	0	30				
t-Butyl alcohol	98	98	67-119	0	30				
n-Butylbenzene	96	96	73-128	0	30				
sec-Butylbenzene	96	97	79-125	1	30				
Carbon Tetrachloride	114	115	81-138	1	30				
Chlorobenzene	102	102	87-124	0	30				
Chloroethane	86	87	51-145	1	30				
2-Chloroethyl Vinyl Ether	0*	0*	10-151	0	30				
Chloroform	108	110	81-134	2	30				
Chloromethane	93	92	67-154	1	30				
Dibromochloromethane	94	94	74-116	1	30				
1,2-Dichlorobenzene	100	100	84-119	0	30				
1,3-Dichlorobenzene	106	107	86-121	2	30				
1,4-Dichlorobenzene	103	104	85-121	1	30				
1,1-Dichloroethane	108	112	84-129	1	30				
1,2-Dichloroethane	113	113	66-141	0	30				
1,1-Dichloroethene	82 (2)	66 (2)	85-142	2	30				
cis-1,2-Dichloroethene	107	108	85-125	1	30				
trans-1,2-Dichloroethene	109	109	87-126	0	30				
1,2-Dichloropropane	101	101	83-124	0	30				
cis-1,3-Dichloropropene	90	91	75-125	1	30				
trans-1,3-Dichloropropene	83	84	74-119	2	30				
Ethyl t-butyl ether	94	97	74-122	3	30				
Ethylbenzene	99	99	71-134	0	30				

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1250976

Reported: 06/22/11 at 12:36 PM

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
di-Isopropyl ether	99	100	70-129	1	30				
Isopropylbenzene	102	102	75-128	1	30				
p-Isopropyltoluene	102	102	76-123	0	30				
Methyl Tertiary Butyl Ether	96	98	72-126	2	30				
Methylene Chloride	107	107	79-120	0	30				
Naphthalene	92	94	52-125	2	30				
n-Propylbenzene	95	96	74-134	1	30				
1,1,2,2-Tetrachloroethane	90	91	72-128	2	30				
Tetrachloroethene	123	123	80-128	0	30				
Toluene	97	98	80-125	1	30				
1,1,1-Trichloroethane	114	115	80-143	0	30				
1,1,2-Trichloroethane	96	96	77-124	0	30				
Trichloroethene	109	108	88-133	1	30				
Trichlorofluoromethane	106	105	73-152	1	30				
1,2,4-Trimethylbenzene	99	100	72-130	2	30				
1,3,5-Trimethylbenzene	100	100	72-131	0	30				
Vinyl Chloride	94	95	66-133	1	30				
Xylene (Total)	98	98	79-125	1	30				

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: 8260 Std. Water Master
Batch number: Y111653AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6312960	105	101	95	95
6312961	104	100	94	93
6312962	103	101	94	93
6312963	104	100	94	92
6312964	106	101	92	96
6312965	109	103	94	90
Blank	108	103	95	92
LCS	108	105	97	97
MS	108	106	97	96
MSD	109	103	97	97
Limits:	80-116	77-113	80-113	78-113

Analysis Name: 8260 Master Scan (water)
Batch number: Y111662AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
Blank	108	103	95	90
LCS	107	102	98	96
LCSD	108	104	97	97
Limits:	80-116	77-113	80-113	78-113

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/22/11 at 12:36 PM

Group Number: 1250976

Surrogate Quality Control

Analysis Name: TPH-GRO water C6-C10
Batch number: 11166A07A

	Trifluorotoluene-F
6312960	107
6312961	98
6312962	95
6312963	93
6312964	103
Blank	93
LCS	101
LCSD	101
Limits:	63-135

Analysis Name: TPH-DRO water C10-C28
Batch number: 111640010A

	Orthoterphenyl
6312961	93
6312963	72
6312964	69
Blank	105
LCS	107
LCSD	104
Limits:	54-127

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 1250976 Sample #: 632960-65

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	Mark Steele	P.O. #:	51141-143836
Sampler:	Joe Gallo	Quote #:	
Name of State where samples were collected:	Maryland		

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Potable	Matrix: NPDES	Matrix: Water	Matrix: Other	Total # of Containers	Analyses Requested: Full List VOC+oxy8260 (H)	TPH-GRO 8015 (H)	TPH-DRO 8015 (H)	MTBE 8260 (H)	Remarks
TW-3	6-9-11	1510	X					X		6	X	X		X	
TW-4		1420								7			X		
TW-5		1340								3					
TW-6		1310								8			X		
TW-7		1230								8			X		
TB										2					

For Lab Use Only
FSC:
SCR#:

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

Data Package Options (please circle if required)
Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicated QC sample and submit triplecate volume)
Internal COC required? Yes No

	Relinquished by:	Date	Time	Received by:	Date	Time
1		6/9/11	1730	Sample Recv	6-9-11	1730
2		6/10/11	11:20		6/10/11	11:20
3		6/10/11	15:25			
4						
5						
6				Katie	6/10/11	15:25

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Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

Lancaster Laboratories

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit
N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)
BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
ng	nanogram(s)
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

J estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

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Appendix E
Lancaster Laboratories Analysis Report – Soil

Lancaster Laboratories

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Lancaster Laboratories
2425 New Holland Pike
Lancaster, PA 17605-2425

Prepared for:

Kleinfelder
30 Porter Road
Littleton MA 01460

June 16, 2011

Project: Southside Oil 27235

Submittal Date: 06/04/2011
Group Number: 1249981
PO Number: 51141-143836
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LLI) #
SB-1(10-12) Grab Soil	6307092
SB-1(18-20) Grab Soil	6307093
SB-1(20-22) Grab Soil	6307094
SB-2(18-20) Grab Soil	6307095
SB-3(13-15) Grab Soil	6307096
SB-3(18-20) Grab Soil	6307097
SB-4(8-10) Grab Soil	6307098
SB-4(18-20) Grab Soil	6307099
SB-5(7-8) Grab Soil	6307100
SB-5(18-20) Grab Soil	6307101
SB-5(27-28.5) Grab Soil	6307102
SB-6(5-6) Grab Soil	6307103
SB-6(13-15) Grab Soil	6307104

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Kleinfelder	Attn: Mark Steele
ELECTRONIC COPY TO	Kleinfelder	Attn: Angela Vogt
ELECTRONIC COPY TO	Kleinfelder	Attn: Leslie Schultheis

Lancaster Laboratories

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Analysis Report

Questions? Contact your Client Services Representative
Natalie R Luciano at (717) 656-2300 Ext. 1881

Respectfully Submitted,

Robin C. Runkle
Senior Specialist

Lancaster Laboratories

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Analysis Report

Sample Description: SB-1(10-12) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307092
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 10:15 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

11012

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 3.8	3.8	161.03
10950	Acrolein	107-02-8	< 19	19	161.03
10950	Acrylonitrile	107-13-1	< 3.8	3.8	161.03
10950	t-Amyl methyl ether	994-05-8	< 0.94	0.94	161.03
10950	Benzene	71-43-2	6.9	0.94	161.03
10950	Bromodichloromethane	75-27-4	< 0.94	0.94	161.03
10950	Bromoform	75-25-2	< 0.94	0.94	161.03
10950	Bromomethane	74-83-9	< 0.94	0.94	161.03
10950	2-Butanone	78-93-3	< 1.9	1.9	161.03
10950	t-Butyl alcohol	75-65-0	< 19	19	161.03
10950	n-Butylbenzene	104-51-8	16	0.94	161.03
10950	sec-Butylbenzene	135-98-8	6.1	0.94	161.03
10950	Carbon Tetrachloride	56-23-5	< 0.94	0.94	161.03
10950	Chlorobenzene	108-90-7	< 0.94	0.94	161.03
10950	Chloroethane	75-00-3	< 0.94	0.94	161.03
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 1.9	1.9	161.03
10950	Chloroform	67-66-3	< 0.94	0.94	161.03
10950	Chloromethane	74-87-3	< 0.94	0.94	161.03
10950	Dibromochloromethane	124-48-1	< 0.94	0.94	161.03
10950	1,2-Dichlorobenzene	95-50-1	< 0.94	0.94	161.03
10950	1,3-Dichlorobenzene	541-73-1	< 0.94	0.94	161.03
10950	1,4-Dichlorobenzene	106-46-7	< 0.94	0.94	161.03
10950	1,1-Dichloroethane	75-34-3	< 0.94	0.94	161.03
10950	1,2-Dichloroethane	107-06-2	< 0.94	0.94	161.03
10950	1,1-Dichloroethene	75-35-4	< 0.94	0.94	161.03
10950	cis-1,2-Dichloroethene	156-59-2	< 0.94	0.94	161.03
10950	trans-1,2-Dichloroethene	156-60-5	< 0.94	0.94	161.03
10950	1,2-Dichloropropane	78-87-5	< 0.94	0.94	161.03
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.94	0.94	161.03
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.94	0.94	161.03
10950	Ethyl t-butyl ether	637-92-3	< 0.94	9.4	1610.31
10950	Ethylbenzene	100-41-4	150	0.94	161.03
10950	di-Isopropyl ether	108-20-3	< 0.94	0.94	161.03
10950	Isopropylbenzene	98-82-8	19	0.94	161.03
10950	p-Isopropyltoluene	99-87-6	4.0	0.94	161.03
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.94	0.94	161.03
10950	Methylene Chloride	75-09-2	< 0.94	0.94	161.03
10950	Naphthalene	91-20-3	39	0.94	161.03
10950	n-Propylbenzene	103-65-1	55	0.94	161.03
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.94	0.94	161.03
10950	Tetrachloroethene	127-18-4	< 0.94	9.4	1610.31
10950	Toluene	108-88-3	360	0.94	161.03
10950	1,1,1-Trichloroethane	71-55-6	< 0.94	0.94	161.03
10950	1,1,2-Trichloroethane	79-00-5	< 0.94	0.94	161.03
10950	Trichloroethene	79-01-6	< 0.94	0.94	161.03
10950	Trichlorofluoromethane	75-69-4	< 0.94	9.4	1610.31
10950	1,2,4-Trimethylbenzene	95-63-6	320	9.4	1610.31
10950	1,3,5-Trimethylbenzene	108-67-8	96	0.94	161.03
10950	Vinyl Chloride	75-01-4	< 0.94		

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Analysis Report

Sample Description: SB-1(10-12) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307092
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 10:15 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

11012

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	960	9.4	1610.31
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	3,800	720	15313.94
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	440	14	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	14.7	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 09:11	Stephanie A Selis	161.03
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 09:34	Stephanie A Selis	1610.31
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 10:15	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 10:15	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 10:15	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 12:42	Elizabeth J Marin	15313.94
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 10:15	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111590009A	06/09/2011 23:10	Dustin A Underkoffler	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111590009A	06/08/2011 14:30	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-1(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307093
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 10:36 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

11820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 0.88	0.88	37.71
10950	Acrolein	107-02-8	< 4.4	4.4	37.71
10950	Acrylonitrile	107-13-1	< 0.88	0.88	37.71
10950	t-Amyl methyl ether	994-05-8	< 0.22	0.22	37.71
10950	Benzene	71-43-2	< 0.22	0.22	37.71
10950	Bromodichloromethane	75-27-4	< 0.22	0.22	37.71
10950	Bromoform	75-25-2	< 0.22	0.22	37.71
10950	Bromomethane	74-83-9	< 0.22	0.22	37.71
10950	2-Butanone	78-93-3	< 0.44	0.44	37.71
10950	t-Butyl alcohol	75-65-0	< 4.4	4.4	37.71
10950	n-Butylbenzene	104-51-8	< 0.22	0.22	37.71
10950	sec-Butylbenzene	135-98-8	< 0.22	0.22	37.71
10950	Carbon Tetrachloride	56-23-5	< 0.22	0.22	37.71
10950	Chlorobenzene	108-90-7	< 0.22	0.22	37.71
10950	Chloroethane	75-00-3	< 0.22	0.22	37.71
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.44	0.44	37.71
10950	Chloroform	67-66-3	< 0.22	0.22	37.71
10950	Chloromethane	74-87-3	< 0.22	0.22	37.71
10950	Dibromochloromethane	124-48-1	< 0.22	0.22	37.71
10950	1,2-Dichlorobenzene	95-50-1	< 0.22	0.22	37.71
10950	1,3-Dichlorobenzene	541-73-1	< 0.22	0.22	37.71
10950	1,4-Dichlorobenzene	106-46-7	< 0.22	0.22	37.71
10950	1,1-Dichloroethane	75-34-3	< 0.22	0.22	37.71
10950	1,2-Dichloroethane	107-06-2	< 0.22	0.22	37.71
10950	1,1-Dichloroethene	75-35-4	< 0.22	0.22	37.71
10950	cis-1,2-Dichloroethene	156-59-2	< 0.22	0.22	37.71
10950	trans-1,2-Dichloroethene	156-60-5	< 0.22	0.22	37.71
10950	1,2-Dichloropropane	78-87-5	< 0.22	0.22	37.71
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.22	0.22	37.71
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.22	0.22	37.71
10950	Ethyl t-butyl ether	637-92-3	< 0.22	0.22	37.71
10950	**Ethylbenzene**	100-41-4	**0.32**	0.22	37.71
10950	di-Isopropyl ether	108-20-3	< 0.22	0.22	37.71
10950	Isopropylbenzene	98-82-8	< 0.22	0.22	37.71
10950	p-Isopropyltoluene	99-87-6	< 0.22	0.22	37.71
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.22	0.22	37.71
10950	Methylene Chloride	75-09-2	< 0.22	0.22	37.71
10950	Naphthalene	91-20-3	< 0.22	0.22	37.71
10950	n-Propylbenzene	103-65-1	< 0.22	0.22	37.71
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.22	0.22	37.71
10950	Tetrachloroethene	127-18-4	< 0.22	0.22	37.71
10950	**Toluene**	108-88-3	**1.4**	0.22	37.71
10950	1,1,1-Trichloroethane	71-55-6	< 0.22	0.22	37.71
10950	1,1,2-Trichloroethane	79-00-5	< 0.22	0.22	37.71
10950	Trichloroethene	79-01-6	< 0.22	0.22	37.71
10950	Trichlorofluoromethane	75-69-4	< 0.22	0.22	37.71
10950	**1,2,4-Trimethylbenzene**	95-63-6	**0.41**	0.22	37.71
10950	1,3,5-Trimethylbenzene	108-67-8	< 0.22	0.22	37.71
10950	Vinyl Chloride	75-01-4	< 0.22	0.22	37.71
10950	**Xylene (Total)**	1330-20-7	**1.8**		

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Analysis Report

Sample Description: SB-1(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307093
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 10:36 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

11820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	44	34	726.74
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	27	14	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	14.7	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 05:00	Stephanie A Selis	37.71
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 10:36	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 10:36	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 10:36	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 13:20	Elizabeth J Marin	726.74
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 10:36	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111590009A	06/11/2011 04:31	Dustin A Underkoffler	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111590009A	06/08/2011 14:30	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-1(20-22) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307094
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 10:35 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

120--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Acetone	67-64-1	< 1.3	1.3	48.45
10950	Acrolein	107-02-8	< 6.3	6.3	48.45
10950	Acrylonitrile	107-13-1	< 1.3	1.3	48.45
10950	t-Amyl methyl ether	994-05-8	< 0.32	0.32	48.45
10950	Benzene	71-43-2	< 0.32	0.32	48.45
10950	Bromodichloromethane	75-27-4	< 0.32	0.32	48.45
10950	Bromoform	75-25-2	< 0.32	0.32	48.45
10950	Bromomethane	74-83-9	< 0.32	0.32	48.45
10950	2-Butanone	78-93-3	< 0.63	0.63	48.45
10950	t-Butyl alcohol	75-65-0	< 6.3	6.3	48.45
10950	n-Butylbenzene	104-51-8	< 0.32	0.32	48.45
10950	sec-Butylbenzene	135-98-8	< 0.32	0.32	48.45
10950	Carbon Tetrachloride	56-23-5	< 0.32	0.32	48.45
10950	Chlorobenzene	108-90-7	< 0.32	0.32	48.45
10950	Chloroethane	75-00-3	< 0.32	0.32	48.45
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.63	0.63	48.45
10950	Chloroform	67-66-3	< 0.32	0.32	48.45
10950	Chloromethane	74-87-3	< 0.32	0.32	48.45
10950	Dibromochloromethane	124-48-1	< 0.32	0.32	48.45
10950	1,2-Dichlorobenzene	95-50-1	< 0.32	0.32	48.45
10950	1,3-Dichlorobenzene	541-73-1	< 0.32	0.32	48.45
10950	1,4-Dichlorobenzene	106-46-7	< 0.32	0.32	48.45
10950	1,1-Dichloroethane	75-34-3	< 0.32	0.32	48.45
10950	1,2-Dichloroethane	107-06-2	< 0.32	0.32	48.45
10950	1,1-Dichloroethene	75-35-4	< 0.32	0.32	48.45
10950	cis-1,2-Dichloroethene	156-59-2	< 0.32	0.32	48.45
10950	trans-1,2-Dichloroethene	156-60-5	< 0.32	0.32	48.45
10950	1,2-Dichloropropane	78-87-5	< 0.32	0.32	48.45
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.32	0.32	48.45
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.32	0.32	48.45
10950	Ethyl t-butyl ether	637-92-3	< 0.32	0.32	48.45
10950	**Ethylbenzene**	100-41-4	**0.37**	0.32	48.45
10950	di-Isopropyl ether	108-20-3	< 0.32	0.32	48.45
10950	Isopropylbenzene	98-82-8	< 0.32	0.32	48.45
10950	p-Isopropyltoluene	99-87-6	< 0.32	0.32	48.45
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.32	0.32	48.45
10950	Methylene Chloride	75-09-2	< 0.32	0.32	48.45
10950	Naphthalene	91-20-3	< 0.32	0.32	48.45
10950	n-Propylbenzene	103-65-1	< 0.32	0.32	48.45
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.32	0.32	48.45
10950	Tetrachloroethene	127-18-4	< 0.32	0.32	48.45
10950	**Toluene**	108-88-3	**2.6**	0.32	48.45
10950	1,1,1-Trichloroethane	71-55-6	< 0.32	0.32	48.45
10950	1,1,2-Trichloroethane	79-00-5	< 0.32	0.32	48.45
10950	Trichloroethene	79-01-6	< 0.32	0.32	48.45
10950	Trichlorofluoromethane	75-69-4	< 0.32	0.32	48.45
10950	**1,2,4-Trimethylbenzene**	95-63-6	**0.35**	0.32	48.45
10950	1,3,5-Trimethylbenzene	108-67-8	< 0.32	0.32	48.45
10950	Vinyl Chloride	75-01-4	< 0.32	0.32	48.45
10950	**Xylene (Total)**	1330-20-7	**2.2**		

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Analysis Report

Sample Description: SB-1(20-22) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307094
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 10:35 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

120--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	14	2.4	45.05
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	< 16	16	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	23.6	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 05:23	Stephanie A Selis	48.45
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 10:35	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 10:35	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 10:35	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 12:04	Elizabeth J Marin	45.05
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 10:35	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111590009A	06/09/2011 23:46	Dustin A Underkoffler	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111590009A	06/08/2011 14:30	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	2	11164820001A	06/13/2011 21:12	Scott W Freisher	1

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Analysis Report

Sample Description: SB-2(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307095
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/03/2011 09:05 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

21820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 1.7	1.7	74.29
10950	Acrolein	107-02-8	< 8.6	8.6	74.29
10950	Acrylonitrile	107-13-1	< 1.7	1.7	74.29
10950	t-Amyl methyl ether	994-05-8	< 0.43	0.43	74.29
10950	Benzene	71-43-2	< 0.43	0.43	74.29
10950	Bromodichloromethane	75-27-4	< 0.43	0.43	74.29
10950	Bromoform	75-25-2	< 0.43	0.43	74.29
10950	Bromomethane	74-83-9	< 0.43	0.43	74.29
10950	2-Butanone	78-93-3	< 0.86	0.86	74.29
10950	t-Butyl alcohol	75-65-0	< 8.6	8.6	74.29
10950	n-Butylbenzene	104-51-8	7.6	0.43	74.29
10950	sec-Butylbenzene	135-98-8	2.8	0.43	74.29
10950	Carbon Tetrachloride	56-23-5	< 0.43	0.43	74.29
10950	Chlorobenzene	108-90-7	< 0.43	0.43	74.29
10950	Chloroethane	75-00-3	< 0.43	0.43	74.29
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.86	0.86	74.29
10950	Chloroform	67-66-3	< 0.43	0.43	74.29
10950	Chloromethane	74-87-3	< 0.43	0.43	74.29
10950	Dibromochloromethane	124-48-1	< 0.43	0.43	74.29
10950	1,2-Dichlorobenzene	95-50-1	< 0.43	0.43	74.29
10950	1,3-Dichlorobenzene	541-73-1	< 0.43	0.43	74.29
10950	1,4-Dichlorobenzene	106-46-7	< 0.43	0.43	74.29
10950	1,1-Dichloroethane	75-34-3	< 0.43	0.43	74.29
10950	1,2-Dichloroethane	107-06-2	< 0.43	0.43	74.29
10950	1,1-Dichloroethene	75-35-4	< 0.43	0.43	74.29
10950	cis-1,2-Dichloroethene	156-59-2	< 0.43	0.43	74.29
10950	trans-1,2-Dichloroethene	156-60-5	< 0.43	0.43	74.29
10950	1,2-Dichloropropane	78-87-5	< 0.43	0.43	74.29
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.43	0.43	74.29
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.43	0.43	74.29
10950	Ethyl t-butyl ether	637-92-3	< 0.43	0.43	74.29
10950	Ethylbenzene	100-41-4	21	0.43	74.29
10950	di-Isopropyl ether	108-20-3	< 0.43	0.43	74.29
10950	Isopropylbenzene	98-82-8	7.2	0.43	74.29
10950	p-Isopropyltoluene	99-87-6	1.5	0.43	74.29
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.43	0.43	74.29
10950	Methylene Chloride	75-09-2	< 0.43	0.43	74.29
10950	Naphthalene	91-20-3	18	0.43	74.29
10950	n-Propylbenzene	103-65-1	21	0.43	74.29
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.43	0.43	74.29
10950	Tetrachloroethene	127-18-4	< 0.43	0.43	74.29
10950	Toluene	108-88-3	1.6	0.43	74.29
10950	1,1,1-Trichloroethane	71-55-6	< 0.43	0.43	74.29
10950	1,1,2-Trichloroethane	79-00-5	< 0.43	0.43	74.29
10950	Trichloroethene	79-01-6	< 0.43	0.43	74.29
10950	Trichlorofluoromethane	75-69-4	< 0.43	0.43	74.29
10950	1,2,4-Trimethylbenzene	95-63-6	210	4.3	742.94
10950	1,3,5-Trimethylbenzene	108-67-8	67	4.3	742.94
10950	Vinyl Chloride	75-01-4	< 0.43	0.43	74.29

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Analysis Report

Sample Description: SB-2(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307095
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/03/2011 09:05 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

21820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	250	4.3	742.94
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	1,700	380	8143.32
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	380	14	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	13.2	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 07:40	Stephanie A Selis	74.29
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 08:03	Stephanie A Selis	742.94
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/03/2011 09:05	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/03/2011 09:05	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/03/2011 09:05	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 13:57	Elizabeth J Marin	8143.32
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/03/2011 09:05	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 08:11	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-3(13-15) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307096
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/03/2011 08:10 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

31315

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 3.5	3.5	150.15
10950	Acrolein	107-02-8	< 17	17	150.15
10950	Acrylonitrile	107-13-1	< 3.5	3.5	150.15
10950	t-Amyl methyl ether	994-05-8	< 0.87	0.87	150.15
10950	Benzene	71-43-2	2.7	0.87	150.15
10950	Bromodichloromethane	75-27-4	< 0.87	0.87	150.15
10950	Bromoform	75-25-2	< 0.87	0.87	150.15
10950	Bromomethane	74-83-9	< 0.87	0.87	150.15
10950	2-Butanone	78-93-3	< 1.7	1.7	150.15
10950	t-Butyl alcohol	75-65-0	< 17	17	150.15
10950	n-Butylbenzene	104-51-8	10	0.87	150.15
10950	sec-Butylbenzene	135-98-8	3.8	0.87	150.15
10950	Carbon Tetrachloride	56-23-5	< 0.87	0.87	150.15
10950	Chlorobenzene	108-90-7	< 0.87	0.87	150.15
10950	Chloroethane	75-00-3	< 0.87	0.87	150.15
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 1.7	1.7	150.15
10950	Chloroform	67-66-3	< 0.87	0.87	150.15
10950	Chloromethane	74-87-3	< 0.87	0.87	150.15
10950	Dibromochloromethane	124-48-1	< 0.87	0.87	150.15
10950	1,2-Dichlorobenzene	95-50-1	< 0.87	0.87	150.15
10950	1,3-Dichlorobenzene	541-73-1	< 0.87	0.87	150.15
10950	1,4-Dichlorobenzene	106-46-7	< 0.87	0.87	150.15
10950	1,1-Dichloroethane	75-34-3	< 0.87	0.87	150.15
10950	1,2-Dichloroethane	107-06-2	< 0.87	0.87	150.15
10950	1,1-Dichloroethene	75-35-4	< 0.87	0.87	150.15
10950	cis-1,2-Dichloroethene	156-59-2	< 0.87	0.87	150.15
10950	trans-1,2-Dichloroethene	156-60-5	< 0.87	0.87	150.15
10950	1,2-Dichloropropane	78-87-5	< 0.87	0.87	150.15
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.87	0.87	150.15
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.87	0.87	150.15
10950	Ethyl t-butyl ether	637-92-3	< 0.87	0.87	150.15
10950	Ethylbenzene	100-41-4	120	8.7	1501.5
10950	di-Isopropyl ether	108-20-3	< 0.87	0.87	150.15
10950	Isopropylbenzene	98-82-8	12	0.87	150.15
10950	p-Isopropyltoluene	99-87-6	2.1	0.87	150.15
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.87	0.87	150.15
10950	Methylene Chloride	75-09-2	< 0.87	0.87	150.15
10950	Naphthalene	91-20-3	25	0.87	150.15
10950	n-Propylbenzene	103-65-1	41	0.87	150.15
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.87	0.87	150.15
10950	Tetrachloroethene	127-18-4	< 0.87	0.87	150.15
10950	Toluene	108-88-3	200	8.7	1501.5
10950	1,1,1-Trichloroethane	71-55-6	< 0.87	0.87	150.15
10950	1,1,2-Trichloroethane	79-00-5	13	0.87	150.15
10950	Trichloroethene	79-01-6	< 0.87	0.87	150.15
10950	Trichlorofluoromethane	75-69-4	< 0.87	0.87	150.15
10950	1,2,4-Trimethylbenzene	95-63-6	220	8.7	1501.5
10950	1,3,5-Trimethylbenzene	108-67-8	70	8.7	1501.5
10950	Vinyl Chloride	75-01-4	< 0.87	0.87	150.15

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Analysis Report

Sample Description: SB-3(13-15) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307096
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/03/2011 08:10 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

31315

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	650	8.7	1501.5
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	3,400	680	14727.54
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	550	14	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	13.9	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 09:57	Stephanie A Selis	150.15
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 10:20	Stephanie A Selis	1501.5
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/03/2011 08:10	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/03/2011 08:10	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/03/2011 08:10	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 14:35	Elizabeth J Marin	14727.54
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/03/2011 08:10	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 09:02	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-3(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307097
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/03/2011 08:20 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

31820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
	GC/MS Volatiles SW-846 8260B		mg/kg	mg/kg	
10950	Acetone	67-64-1	< 1.9	1.9	77.64
10950	Acrolein	107-02-8	< 9.7	9.7	77.64
10950	Acrylonitrile	107-13-1	< 1.9	1.9	77.64
10950	t-Amyl methyl ether	994-05-8	< 0.48	0.48	77.64
10950	Benzene	71-43-2	10	0.48	77.64
10950	Bromodichloromethane	75-27-4	< 0.48	0.48	77.64
10950	Bromoform	75-25-2	< 0.48	0.48	77.64
10950	Bromomethane	74-83-9	< 0.48	0.48	77.64
10950	2-Butanone	78-93-3	< 0.97	0.97	77.64
10950	t-Butyl alcohol	75-65-0	< 9.7	9.7	77.64
10950	n-Butylbenzene	104-51-8	< 0.48	0.48	77.64
10950	sec-Butylbenzene	135-98-8	< 0.48	0.48	77.64
10950	Carbon Tetrachloride	56-23-5	< 0.48	0.48	77.64
10950	Chlorobenzene	108-90-7	< 0.48	0.48	77.64
10950	Chloroethane	75-00-3	< 0.48	0.48	77.64
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.97	0.97	77.64
10950	Chloroform	67-66-3	< 0.48	0.48	77.64
10950	Chloromethane	74-87-3	< 0.48	0.48	77.64
10950	Dibromochloromethane	124-48-1	< 0.48	0.48	77.64
10950	1,2-Dichlorobenzene	95-50-1	< 0.48	0.48	77.64
10950	1,3-Dichlorobenzene	541-73-1	< 0.48	0.48	77.64
10950	1,4-Dichlorobenzene	106-46-7	< 0.48	0.48	77.64
10950	1,1-Dichloroethane	75-34-3	< 0.48	0.48	77.64
10950	1,2-Dichloroethane	107-06-2	< 0.48	0.48	77.64
10950	1,1-Dichloroethene	75-35-4	< 0.48	0.48	77.64
10950	cis-1,2-Dichloroethene	156-59-2	< 0.48	0.48	77.64
10950	trans-1,2-Dichloroethene	156-60-5	< 0.48	0.48	77.64
10950	1,2-Dichloropropane	78-87-5	< 0.48	0.48	77.64
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.48	0.48	77.64
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.48	0.48	77.64
10950	Ethyl t-butyl ether	637-92-3	< 0.48	0.48	77.64
10950	**Ethylbenzene**	100-41-4	5.6	0.48	77.64
10950	di-Isopropyl ether	108-20-3	< 0.48	0.48	77.64
10950	Isopropylbenzene	98-82-8	< 0.48	0.48	77.64
10950	p-Isopropyltoluene	99-87-6	< 0.48	0.48	77.64
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.48	0.48	77.64
10950	Methylene Chloride	75-09-2	< 0.48	0.48	77.64
10950	**Naphthalene**	91-20-3	1.3	0.48	77.64
10950	**n-Propylbenzene**	103-65-1	1.6	0.48	77.64
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.48	0.48	77.64
10950	Tetrachloroethene	127-18-4	< 0.48	0.48	776.4
10950	**Toluene**	108-88-3	34	4.8	77.64
10950	1,1,1-Trichloroethane	71-55-6	< 0.48	0.48	77.64
10950	1,1,2-Trichloroethane	79-00-5	< 0.48	0.48	77.64
10950	Trichloroethene	79-01-6	< 0.48	0.48	77.64
10950	Trichlorofluoromethane	75-69-4	< 0.48	0.48	77.64
10950	**1,2,4-Trimethylbenzene**	95-63-6	8.8	0.48	77.64
10950	**1,3,5-Trimethylbenzene**	108-67-8	2.7	0.48	77.64
10950	Vinyl Chloride	75-01-4	< 0.48	0.48	77.64
10950	**Xylene (Total)**	1330-20-7	29		

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Analysis Report

Sample Description: SB-3(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307097
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/03/2011 08:20 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

31820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	650	180	3586.8
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	73	45	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	19.7	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 08:26	Stephanie A Selis	77.64
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 08:48	Stephanie A Selis	776.4
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/03/2011 08:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/03/2011 08:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/03/2011 08:20	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 15:13	Elizabeth J Marin	3586.8
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/03/2011 08:20	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 09:18	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-4(8-10) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307098
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 15:35 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

4810-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 0.88	0.88	40.78
10950	Acrolein	107-02-8	< 4.4	4.4	40.78
10950	Acrylonitrile	107-13-1	< 0.88	0.88	40.78
10950	t-Amyl methyl ether	994-05-8	< 0.22	0.22	40.78
10950	Benzene	71-43-2	1.9	0.22	40.78
10950	Bromodichloromethane	75-27-4	0.77	0.22	40.78
10950	Bromoform	75-25-2	< 0.22	0.22	40.78
10950	Bromomethane	74-83-9	< 0.22	0.44	40.78
10950	2-Butanone	78-93-3	< 0.44	4.4	40.78
10950	t-Butyl alcohol	75-65-0	< 4.4	0.22	40.78
10950	n-Butylbenzene	104-51-8	5.5	0.22	40.78
10950	sec-Butylbenzene	135-98-8	1.9	0.22	40.78
10950	Carbon Tetrachloride	56-23-5	< 0.22	0.22	40.78
10950	Chlorobenzene	108-90-7	< 0.22	0.22	40.78
10950	Chloroethane	75-00-3	< 0.22	0.44	40.78
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.44	0.22	40.78
10950	Chloroform	67-66-3	< 0.22	0.22	40.78
10950	Chloromethane	74-87-3	< 0.22	0.22	40.78
10950	Dibromochloromethane	124-48-1	< 0.22	0.22	40.78
10950	1,2-Dichlorobenzene	95-50-1	< 0.22	0.22	40.78
10950	1,3-Dichlorobenzene	541-73-1	< 0.22	0.22	40.78
10950	1,4-Dichlorobenzene	106-46-7	< 0.22	0.22	40.78
10950	1,1-Dichloroethane	75-34-3	< 0.22	0.22	40.78
10950	1,2-Dichloroethane	107-06-2	< 0.22	0.22	40.78
10950	1,1-Dichloroethene	75-35-4	< 0.22	0.22	40.78
10950	cis-1,2-Dichloroethene	156-59-2	< 0.22	0.22	40.78
10950	trans-1,2-Dichloroethene	156-60-5	< 0.22	0.22	40.78
10950	1,2-Dichloropropane	78-87-5	< 0.22	0.22	40.78
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.22	0.22	40.78
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.22	0.22	40.78
10950	Ethyl t-butyl ether	637-92-3	< 0.22	2.2	407.83
10950	Ethylbenzene	100-41-4	38	0.22	40.78
10950	di-Isopropyl ether	108-20-3	< 0.22	0.22	40.78
10950	Isopropylbenzene	98-82-8	4.6	0.22	40.78
10950	p-Isopropyltoluene	99-87-6	0.96	0.22	40.78
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.22	0.22	40.78
10950	Methylene Chloride	75-09-2	< 0.22	2.2	407.83
10950	Naphthalene	91-20-3	16	2.2	407.83
10950	n-Propylbenzene	103-65-1	18	0.22	40.78
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.22	0.22	40.78
10950	Tetrachloroethene	127-18-4	< 0.22	2.2	407.83
10950	Toluene	108-88-3	74	0.22	40.78
10950	1,1,1-Trichloroethane	71-55-6	< 0.22	0.22	40.78
10950	1,1,2-Trichloroethane	79-00-5	< 0.22	0.22	40.78
10950	Trichloroethene	79-01-6	< 0.22	0.22	40.78
10950	Trichlorofluoromethane	75-69-4	< 0.22	2.2	407.83
10950	1,2,4-Trimethylbenzene	95-63-6	100	2.2	407.83
10950	1,3,5-Trimethylbenzene	108-67-8	32	0.22	40.78
10950	Vinyl Chloride	75-01-4	< 0.22		

Sample Description: SB-4(8-10) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307098
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 15:35 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

4810-

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	210	2.2	407.83
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	690	190	4401.41
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	200	13	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	7.8	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 06:55	Stephanie A Selis	40.78
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 07:17	Stephanie A Selis	407.83
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 15:35	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 15:35	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 15:35	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11158A16A	06/08/2011 17:05	Elizabeth J Marin	4401.41
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 15:35	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 09:35	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-4(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307099
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 15:50 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

41820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 0.018	0.018	0.76
10950	Acrolein	107-02-8	< 0.092	0.092	0.76
10950	Acrylonitrile	107-13-1	< 0.018	0.018	0.76
10950	t-Amyl methyl ether	994-05-8	< 0.005	0.005	0.76
10950	Benzene	71-43-2	0.19	0.005	0.76
10950	Bromodichloromethane	75-27-4	< 0.005	0.005	0.76
10950	Bromoform	75-25-2	< 0.005	0.005	0.76
10950	Bromomethane	74-83-9	< 0.005	0.005	0.76
10950	2-Butanone	78-93-3	< 0.009	0.009	0.76
10950	t-Butyl alcohol	75-65-0	0.28	0.092	0.76
10950	n-Butylbenzene	104-51-8	< 0.005	0.005	0.76
10950	sec-Butylbenzene	135-98-8	< 0.005	0.005	0.76
10950	Carbon Tetrachloride	56-23-5	< 0.005	0.005	0.76
10950	Chlorobenzene	108-90-7	< 0.005	0.005	0.76
10950	Chloroethane	75-00-3	< 0.005	0.005	0.76
10950	Chloroform	67-66-3	< 0.005	0.005	0.76
10950	Chloromethane	74-87-3	< 0.005	0.005	0.76
10950	Dibromochloromethane	124-48-1	< 0.005	0.005	0.76
10950	1,2-Dichlorobenzene	95-50-1	< 0.005	0.005	0.76
10950	1,3-Dichlorobenzene	541-73-1	< 0.005	0.005	0.76
10950	1,4-Dichlorobenzene	106-46-7	< 0.005	0.005	0.76
10950	1,1-Dichloroethane	75-34-3	< 0.005	0.005	0.76
10950	1,2-Dichloroethane	107-06-2	< 0.005	0.005	0.76
10950	1,1-Dichloroethene	75-35-4	< 0.005	0.005	0.76
10950	cis-1,2-Dichloroethene	156-59-2	< 0.005	0.005	0.76
10950	trans-1,2-Dichloroethene	156-60-5	< 0.005	0.005	0.76
10950	1,2-Dichloropropane	78-87-5	< 0.005	0.005	0.76
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.005	0.005	0.76
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.005	0.005	0.76
10950	Ethyl t-butyl ether	637-92-3	< 0.005	0.005	0.76
10950	Ethylbenzene	100-41-4	0.055	0.005	0.76
10950	di-Isopropyl ether	108-20-3	0.011	0.005	0.76
10950	Isopropylbenzene	98-82-8	< 0.005	0.005	0.76
10950	p-Isopropyltoluene	99-87-6	< 0.005	0.005	0.76
10950	Methyl Tertiary Butyl Ether	1634-04-4	0.013	0.005	0.76
10950	Methylene Chloride	75-09-2	< 0.005	0.005	0.76
10950	Naphthalene	91-20-3	< 0.005	0.005	0.76
10950	n-Propylbenzene	103-65-1	0.005	0.005	0.76
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.005	0.005	0.76
10950	Tetrachloroethene	127-18-4	< 0.005	0.005	0.76
10950	Toluene	108-88-3	0.97	0.23	38.11
10950	1,1,1-Trichloroethane	71-55-6	< 0.005	0.005	0.76
10950	1,1,2-Trichloroethane	79-00-5	< 0.005	0.005	0.76
10950	Trichloroethene	79-01-6	< 0.005	0.005	0.76
10950	Trichlorofluoromethane	75-69-4	< 0.005	0.005	0.76
10950	1,2,4-Trimethylbenzene	95-63-6	0.028	0.005	0.76
10950	1,3,5-Trimethylbenzene	108-67-8	0.011	0.005	0.76
10950	Vinyl Chloride	75-01-4	< 0.005	0.005	0.76

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Analysis Report

Sample Description: SB-4(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307099
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 15:50 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

41820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	0.24	0.005	0.76
	2-Chloroethyl vinyl ether is an acid labile compound and cannot be reported in this sample due to the acid preservation of the samples and standards.				
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	< 9.0	9.0	184.37
	Reporting limits were raised due to sample foaming.				
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	< 15	15	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	17.7	0.50	1
	"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.				

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 05:46	Stephanie A Selis	38.11
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	X111671AA	06/16/2011 04:03	Angela D Sneeringer	0.76
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 15:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 15:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 15:50	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11160A16A	06/09/2011 23:08	Elizabeth J Marin	184.37
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 15:50	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 09:52	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-5(7-8) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307100
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 11:30 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

578--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Acetone	67-64-1	< 0.98	0.98	39.31
10950	Acrolein	107-02-8	< 4.9	4.9	39.31
10950	Acrylonitrile	107-13-1	< 0.98	0.98	39.31
10950	t-Amyl methyl ether	994-05-8	< 0.24	0.24	39.31
10950	**Benzene**	71-43-2	**2.1**	0.24	39.31
10950	Bromodichloromethane	75-27-4	< 0.24	0.24	39.31
10950	Bromoform	75-25-2	< 0.24	0.24	39.31
10950	Bromomethane	74-83-9	< 0.24	0.24	39.31
10950	2-Butanone	78-93-3	< 0.49	0.49	39.31
10950	t-Butyl alcohol	75-65-0	< 4.9	4.9	39.31
10950	n-Butylbenzene	104-51-8	< 0.24	0.24	39.31
10950	sec-Butylbenzene	135-98-8	< 0.24	0.24	39.31
10950	Carbon Tetrachloride	56-23-5	< 0.24	0.24	39.31
10950	Chlorobenzene	108-90-7	< 0.24	0.24	39.31
10950	Chloroethane	75-00-3	< 0.24	0.24	39.31
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.49	0.49	39.31
10950	Chloroform	67-66-3	< 0.24	0.24	39.31
10950	Chloromethane	74-87-3	< 0.24	0.24	39.31
10950	Dibromochloromethane	124-48-1	< 0.24	0.24	39.31
10950	1,2-Dichlorobenzene	95-50-1	< 0.24	0.24	39.31
10950	1,3-Dichlorobenzene	541-73-1	< 0.24	0.24	39.31
10950	1,4-Dichlorobenzene	106-46-7	< 0.24	0.24	39.31
10950	1,1-Dichloroethane	75-34-3	< 0.24	0.24	39.31
10950	1,2-Dichloroethane	107-06-2	< 0.24	0.24	39.31
10950	1,1-Dichloroethene	75-35-4	< 0.24	0.24	39.31
10950	cis-1,2-Dichloroethene	156-59-2	< 0.24	0.24	39.31
10950	trans-1,2-Dichloroethene	156-60-5	< 0.24	0.24	39.31
10950	1,2-Dichloropropane	78-87-5	< 0.24	0.24	39.31
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.24	0.24	39.31
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.24	0.24	39.31
10950	Ethyl t-butyl ether	637-92-3	< 0.24	0.24	39.31
10950	**Ethylbenzene**	100-41-4	**0.82**	0.24	39.31
10950	**di-Isopropyl ether**	108-20-3	**1.7**	0.24	39.31
10950	Isopropylbenzene	98-82-8	< 0.24	0.24	39.31
10950	p-Isopropyltoluene	99-87-6	< 0.24	0.24	39.31
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.24	0.24	39.31
10950	Methylene Chloride	75-09-2	< 0.24	0.24	39.31
10950	Naphthalene	91-20-3	< 0.24	0.24	39.31
10950	n-Propylbenzene	103-65-1	< 0.24	0.24	39.31
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.24	0.24	39.31
10950	Tetrachloroethene	127-18-4	< 0.24	0.24	39.31
10950	**Toluene**	108-88-3	**5.7**	0.24	39.31
10950	1,1,1-Trichloroethane	71-55-6	< 0.24	0.24	39.31
10950	1,1,2-Trichloroethane	79-00-5	< 0.24	0.24	39.31
10950	Trichloroethene	79-01-6	< 0.24	0.24	39.31
10950	Trichlorofluoromethane	75-69-4	< 0.24	0.24	39.31
10950	**1,2,4-Trimethylbenzene**	95-63-6	**0.63**	0.24	39.31
10950	1,3,5-Trimethylbenzene	108-67-8	< 0.24	0.24	39.31
10950	Vinyl Chloride	75-01-4	< 0.24	0.24	39.31
10950	**Xylene (Total)**	1330-20-7	**4.0**		

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Analysis Report

Sample Description: SB-5(7-8) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307100
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 11:30 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

578--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	43	23	452.9
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	< 15	15	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	19.5	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 06:09	Stephanie A Selis	39.31
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 11:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 11:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 11:30	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11160A16A	06/09/2011 23:46	Elizabeth J Marin	452.9
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 11:30	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 10:09	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-5(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307101
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 11:40 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

51820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Acetone	67-64-1	< 37	37	1503.76
10950	Acrolein	107-02-8	< 190	190	1503.76
10950	Acrylonitrile	107-13-1	< 37	37	1503.76
10950	t-Amyl methyl ether	994-05-8	< 9.4	9.4	1503.76
10950	Benzene	71-43-2	140	9.4	1503.76
10950	Bromodichloromethane	75-27-4	< 9.4	9.4	1503.76
10950	Bromoform	75-25-2	< 9.4	9.4	1503.76
10950	Bromomethane	74-83-9	< 9.4	9.4	1503.76
10950	2-Butanone	78-93-3	< 19	19	1503.76
10950	t-Butyl alcohol	75-65-0	< 190	190	1503.76
10950	n-Butylbenzene	104-51-8	19	9.4	1503.76
10950	sec-Butylbenzene	135-98-8	< 9.4	9.4	1503.76
10950	Carbon Tetrachloride	56-23-5	< 9.4	9.4	1503.76
10950	Chlorobenzene	108-90-7	< 9.4	9.4	1503.76
10950	Chloroethane	75-00-3	< 9.4	9.4	1503.76
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 19	19	1503.76
10950	Chloroform	67-66-3	< 9.4	9.4	1503.76
10950	Chloromethane	74-87-3	< 9.4	9.4	1503.76
10950	Dibromochloromethane	124-48-1	< 9.4	9.4	1503.76
10950	1,2-Dichlorobenzene	95-50-1	< 9.4	9.4	1503.76
10950	1,3-Dichlorobenzene	541-73-1	< 9.4	9.4	1503.76
10950	1,4-Dichlorobenzene	106-46-7	< 9.4	9.4	1503.76
10950	1,1-Dichloroethane	75-34-3	< 9.4	9.4	1503.76
10950	1,2-Dichloroethane	107-06-2	< 9.4	9.4	1503.76
10950	1,1-Dichloroethene	75-35-4	< 9.4	9.4	1503.76
10950	cis-1,2-Dichloroethene	156-59-2	< 9.4	9.4	1503.76
10950	trans-1,2-Dichloroethene	156-60-5	< 9.4	9.4	1503.76
10950	1,2-Dichloropropane	78-87-5	< 9.4	9.4	1503.76
10950	cis-1,3-Dichloropropene	10061-01-5	< 9.4	9.4	1503.76
10950	trans-1,3-Dichloropropene	10061-02-6	< 9.4	9.4	1503.76
10950	Ethyl t-butyl ether	637-92-3	< 9.4	9.4	1503.76
10950	Ethylbenzene	100-41-4	250	9.4	1503.76
10950	di-Isopropyl ether	108-20-3	38	9.4	1503.76
10950	Isopropylbenzene	98-82-8	20	9.4	1503.76
10950	p-Isopropyltoluene	99-87-6	< 9.4	9.4	1503.76
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 9.4	9.4	1503.76
10950	Methylene Chloride	75-09-2	< 9.4	9.4	1503.76
10950	Naphthalene	91-20-3	50	9.4	1503.76
10950	n-Propylbenzene	103-65-1	76	9.4	1503.76
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 9.4	9.4	1503.76
10950	Tetrachloroethene	127-18-4	< 9.4	9.4	1503.76
10950	Toluene	108-88-3	1,100	23	3759.4
10950	1,1,1-Trichloroethane	71-55-6	< 9.4	9.4	1503.76
10950	1,1,2-Trichloroethane	79-00-5	< 9.4	9.4	1503.76
10950	Trichloroethene	79-01-6	< 9.4	9.4	1503.76
10950	Trichlorofluoromethane	75-69-4	< 9.4	9.4	1503.76
10950	1,2,4-Trimethylbenzene	95-63-6	390	9.4	1503.76
10950	1,3,5-Trimethylbenzene	108-67-8	130	9.4	1503.76
10950	Vinyl Chloride	75-01-4	< 9.4	9.4	1503.76

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Analysis Report

Sample Description: SB-5(18-20) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307101
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 11:40 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

51820

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	1,300	9.4	1503.76
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	13,000	790	15847.86
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	1,000	15	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	19.7	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 11:05	Stephanie A Selis	1503.76
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111671AA	06/16/2011 04:21	Holly Berry	3759.4
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 11:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 11:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 11:40	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11160A16B	06/10/2011 12:38	Carrie E Miller	15847.86
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 11:40	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 11:02	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-5(27-28.5) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307102
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 11:50 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

52728

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
			mg/kg	mg/kg	
GC/MS Volatiles	SW-846 8260B				
10950	Acetone	67-64-1	< 1.0	1.0	39.81
10950	Acrolein	107-02-8	< 5.1	5.1	39.81
10950	Acrylonitrile	107-13-1	< 1.0	1.0	39.81
10950	t-Amyl methyl ether	994-05-8	< 0.25	0.25	39.81
10950	Benzene	71-43-2	0.64	0.25	39.81
10950	Bromodichloromethane	75-27-4	< 0.25	0.25	39.81
10950	Bromoform	75-25-2	< 0.25	0.25	39.81
10950	Bromomethane	74-83-9	< 0.25	0.25	39.81
10950	2-Butanone	78-93-3	< 0.51	0.51	39.81
10950	t-Butyl alcohol	75-65-0	< 5.1	5.1	39.81
10950	n-Butylbenzene	104-51-8	< 0.25	0.25	39.81
10950	sec-Butylbenzene	135-98-8	< 0.25	0.25	39.81
10950	Carbon Tetrachloride	56-23-5	< 0.25	0.25	39.81
10950	Chlorobenzene	108-90-7	< 0.25	0.25	39.81
10950	Chloroethane	75-00-3	< 0.25	0.25	39.81
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 0.51	0.51	39.81
10950	Chloroform	67-66-3	< 0.25	0.25	39.81
10950	Chloromethane	74-87-3	< 0.25	0.25	39.81
10950	Dibromochloromethane	124-48-1	< 0.25	0.25	39.81
10950	1,2-Dichlorobenzene	95-50-1	< 0.25	0.25	39.81
10950	1,3-Dichlorobenzene	541-73-1	< 0.25	0.25	39.81
10950	1,4-Dichlorobenzene	106-46-7	< 0.25	0.25	39.81
10950	1,1-Dichloroethane	75-34-3	< 0.25	0.25	39.81
10950	1,2-Dichloroethane	107-06-2	< 0.25	0.25	39.81
10950	1,1-Dichloroethene	75-35-4	< 0.25	0.25	39.81
10950	cis-1,2-Dichloroethene	156-59-2	< 0.25	0.25	39.81
10950	trans-1,2-Dichloroethene	156-60-5	< 0.25	0.25	39.81
10950	1,2-Dichloropropane	78-87-5	< 0.25	0.25	39.81
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.25	0.25	39.81
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.25	0.25	39.81
10950	Ethyl t-butyl ether	637-92-3	< 0.25	0.25	39.81
10950	Ethylbenzene	100-41-4	< 0.25	0.25	39.81
10950	di-Isopropyl ether	108-20-3	1.4	0.25	39.81
10950	Isopropylbenzene	98-82-8	< 0.25	0.25	39.81
10950	p-Isopropyltoluene	99-87-6	< 0.25	0.25	39.81
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.25	0.25	39.81
10950	Methylene Chloride	75-09-2	< 0.25	0.25	39.81
10950	Naphthalene	91-20-3	< 0.25	0.25	39.81
10950	n-Propylbenzene	103-65-1	< 0.25	0.25	39.81
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.25	0.25	39.81
10950	Tetrachloroethene	127-18-4	< 0.25	0.25	39.81
10950	Toluene	108-88-3	1.7	0.25	39.81
10950	1,1,1-Trichloroethane	71-55-6	< 0.25	0.25	39.81
10950	1,1,2-Trichloroethane	79-00-5	< 0.25	0.25	39.81
10950	Trichloroethene	79-01-6	< 0.25	0.25	39.81
10950	Trichlorofluoromethane	75-69-4	< 0.25	0.25	39.81
10950	1,2,4-Trimethylbenzene	95-63-6	< 0.25	0.25	39.81
10950	1,3,5-Trimethylbenzene	108-67-8	< 0.25	0.25	39.81
10950	Vinyl Chloride	75-01-4	< 0.25	0.25	39.81
10950	Xylene (Total)	1330-20-7	0.70		

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Analysis Report

Sample Description: SB-5(27-28.5) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307102
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 11:50 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

52728

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	11	1.0	20.03
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	< 15	15	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	21.4	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 06:32	Stephanie A Selis	39.81
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 11:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 11:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 11:50	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11160A16A	06/09/2011 12:28	Elizabeth J Marin	20.03
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 11:50	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 11:21	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-6(5-6) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307103
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 13:20 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

656--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Acetone	67-64-1	< 4.1	4.1	177.94
10950	Acrolein	107-02-8	< 20	20	177.94
10950	Acrylonitrile	107-13-1	< 4.1	4.1	177.94
10950	t-Amyl methyl ether	994-05-8	< 1.0	1.0	177.94
10950	Benzene	71-43-2	85	10	1779.36
10950	Bromodichloromethane	75-27-4	< 1.0	1.0	177.94
10950	Bromoform	75-25-2	< 1.0	1.0	177.94
10950	Bromomethane	74-83-9	< 1.0	1.0	177.94
10950	2-Butanone	78-93-3	< 2.0	2.0	177.94
10950	t-Butyl alcohol	75-65-0	< 20	20	177.94
10950	n-Butylbenzene	104-51-8	23	1.0	177.94
10950	sec-Butylbenzene	135-98-8	8.4	1.0	177.94
10950	Carbon Tetrachloride	56-23-5	< 1.0	1.0	177.94
10950	Chlorobenzene	108-90-7	< 1.0	1.0	177.94
10950	Chloroethane	75-00-3	< 1.0	1.0	177.94
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 2.0	2.0	177.94
10950	Chloroform	67-66-3	< 1.0	1.0	177.94
10950	Chloromethane	74-87-3	< 1.0	1.0	177.94
10950	Dibromochloromethane	124-48-1	< 1.0	1.0	177.94
10950	1,2-Dichlorobenzene	95-50-1	< 1.0	1.0	177.94
10950	1,3-Dichlorobenzene	541-73-1	< 1.0	1.0	177.94
10950	1,4-Dichlorobenzene	106-46-7	< 1.0	1.0	177.94
10950	1,1-Dichloroethane	75-34-3	< 1.0	1.0	177.94
10950	1,2-Dichloroethane	107-06-2	< 1.0	1.0	177.94
10950	1,1-Dichloroethene	75-35-4	< 1.0	1.0	177.94
10950	cis-1,2-Dichloroethene	156-59-2	< 1.0	1.0	177.94
10950	trans-1,2-Dichloroethene	156-60-5	< 1.0	1.0	177.94
10950	1,2-Dichloropropane	78-87-5	< 1.0	1.0	177.94
10950	cis-1,3-Dichloropropene	10061-01-5	< 1.0	1.0	177.94
10950	trans-1,3-Dichloropropene	10061-02-6	< 1.0	1.0	177.94
10950	Ethyl t-butyl ether	637-92-3	< 1.0	1.0	177.94
10950	Ethylbenzene	100-41-4	290	10	1779.36
10950	di-Isopropyl ether	108-20-3	23	1.0	177.94
10950	Isopropylbenzene	98-82-8	26	1.0	177.94
10950	p-Isopropyltoluene	99-87-6	4.8	1.0	177.94
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 1.0	1.0	177.94
10950	Methylene Chloride	75-09-2	< 1.0	1.0	177.94
10950	Naphthalene	91-20-3	48	1.0	177.94
10950	n-Propylbenzene	103-65-1	92	10	1779.36
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 1.0	1.0	177.94
10950	Tetrachloroethene	127-18-4	< 1.0	1.0	177.94
10950	Toluene	108-88-3	1,100	25	4448.4
10950	1,1,1-Trichloroethane	71-55-6	< 1.0	1.0	177.94
10950	1,1,2-Trichloroethane	79-00-5	< 1.0	1.0	177.94
10950	Trichloroethene	79-01-6	< 1.0	1.0	177.94
10950	Trichlorofluoromethane	75-69-4	< 1.0	1.0	177.94
10950	1,2,4-Trimethylbenzene	95-63-6	460	10	1779.36
10950	1,3,5-Trimethylbenzene	108-67-8	140	10	1779.36
10950	Vinyl Chloride	75-01-4	< 1.0	1.0	177.94

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Analysis Report

Sample Description: SB-6(5-6) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307103
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 13:20 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

656--

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	1,500	10	1779.36
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	8,400	830	18115.94
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	1,200	14	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	12.6	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 11:28	Stephanie A Selis	177.94
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 11:50	Stephanie A Selis	1779.36
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111671AA	06/16/2011 04:44	Holly Berry	4448.4
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724596	06/02/2011 13:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 13:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 13:20	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11160A16B	06/10/2011 12:01	Carrie E Miller	18115.94
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724596	06/02/2011 13:20	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 11:38	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Sample Description: SB-6(13-15) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307104
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 13:30 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

61315

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Acetone	67-64-1	10	3.5	148.59
10950	Acrolein	107-02-8	< 17	17	148.59
10950	Acrylonitrile	107-13-1	< 3.5	3.5	148.59
10950	t-Amyl methyl ether	994-05-8	< 0.87	0.87	148.59
10950	Benzene	71-43-2	71	8.7	1485.88
10950	Bromodichloromethane	75-27-4	< 0.87	0.87	148.59
10950	Bromoform	75-25-2	< 0.87	0.87	148.59
10950	Bromomethane	74-83-9	< 0.87	0.87	148.59
10950	2-Butanone	78-93-3	< 1.7	1.7	148.59
10950	t-Butyl alcohol	75-65-0	< 17	17	148.59
10950	n-Butylbenzene	104-51-8	7.3	0.87	148.59
10950	sec-Butylbenzene	135-98-8	2.8	0.87	148.59
10950	Carbon Tetrachloride	56-23-5	< 0.87	0.87	148.59
10950	Chlorobenzene	108-90-7	< 0.87	0.87	148.59
10950	Chloroethane	75-00-3	< 0.87	0.87	148.59
10950	2-Chloroethyl Vinyl Ether	110-75-8	< 1.7	1.7	148.59
10950	Chloroform	67-66-3	< 0.87	0.87	148.59
10950	Chloromethane	74-87-3	< 0.87	0.87	148.59
10950	Dibromochloromethane	124-48-1	< 0.87	0.87	148.59
10950	1,2-Dichlorobenzene	95-50-1	< 0.87	0.87	148.59
10950	1,3-Dichlorobenzene	541-73-1	< 0.87	0.87	148.59
10950	1,4-Dichlorobenzene	106-46-7	< 0.87	0.87	148.59
10950	1,1-Dichloroethane	75-34-3	< 0.87	0.87	148.59
10950	1,2-Dichloroethane	107-06-2	< 0.87	0.87	148.59
10950	1,1-Dichloroethene	75-35-4	< 0.87	0.87	148.59
10950	cis-1,2-Dichloroethene	156-59-2	< 0.87	0.87	148.59
10950	trans-1,2-Dichloroethene	156-60-5	< 0.87	0.87	148.59
10950	1,2-Dichloropropane	78-87-5	< 0.87	0.87	148.59
10950	cis-1,3-Dichloropropene	10061-01-5	< 0.87	0.87	148.59
10950	trans-1,3-Dichloropropene	10061-02-6	< 0.87	0.87	148.59
10950	Ethyl t-butyl ether	637-92-3	< 0.87	0.87	148.59
10950	Ethylbenzene	100-41-4	95	8.7	1485.88
10950	di-Isopropyl ether	108-20-3	29	0.87	148.59
10950	Isopropylbenzene	98-82-8	8.4	0.87	148.59
10950	p-Isopropyltoluene	99-87-6	1.3	0.87	148.59
10950	Methyl Tertiary Butyl Ether	1634-04-4	< 0.87	0.87	148.59
10950	Methylene Chloride	75-09-2	< 0.87	0.87	148.59
10950	Naphthalene	91-20-3	17	0.87	148.59
10950	n-Propylbenzene	103-65-1	31	0.87	148.59
10950	1,1,2,2-Tetrachloroethane	79-34-5	< 0.87	0.87	148.59
10950	Tetrachloroethene	127-18-4	< 0.87	0.87	148.59
10950	Toluene	108-88-3	400	8.7	1485.88
10950	1,1,1-Trichloroethane	71-55-6	< 0.87	0.87	148.59
10950	1,1,2-Trichloroethane	79-00-5	< 0.87	0.87	148.59
10950	Trichloroethene	79-01-6	< 0.87	0.87	148.59
10950	Trichlorofluoromethane	75-69-4	< 0.87	0.87	148.59
10950	1,2,4-Trimethylbenzene	95-63-6	150	8.7	1485.88
10950	1,3,5-Trimethylbenzene	108-67-8	49	0.87	148.59
10950	Vinyl Chloride	75-01-4	< 0.87	0.87	148.59

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Analysis Report

Sample Description: SB-6(13-15) Grab Soil
1000 Forest Drive-Annapolis, MD

LLI Sample # SW 6307104
LLI Group # 1249981
Account # 12152

Project Name: Southside Oil 27235

Collected: 06/02/2011 13:30 by JG

Submitted: 06/04/2011 09:15
Reported: 06/16/2011 17:16

Kleinfelder
30 Porter Road
Littleton MA 01460

61315

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	SW-846 8260B		mg/kg	mg/kg	
10950	Xylene (Total)	1330-20-7	490	8.7	1485.88
GC Volatiles	SW-846 8015B		mg/kg	mg/kg	
01637	TPH-GRO soil C6-C10	n.a.	3,600	350	7518.8
GC Miscellaneous	SW-846 8015B		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	420	14	1
Wet Chemistry	SM20 2540 G		%	%	
00111	Moisture	n.a.	14.5	0.50	1

"Moisture" represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported above is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111662AA	06/15/2011 12:35	Stephanie A Selis	1485.88
10950	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R111671AA	06/16/2011 03:58	Holly Berry	148.59
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201115724597	06/02/2011 13:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201115724596	06/02/2011 13:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201115724596	06/02/2011 13:30	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	11160A16B	06/10/2011 11:23	Carrie E Miller	7518.8
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201115724595	06/02/2011 13:30	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	111600007A	06/11/2011 11:55	Melissa McDermott	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	111600007A	06/09/2011 14:15	Olivia I Santiago	1
00111	Moisture	SM20 2540 G	1	11161820002B	06/10/2011 19:18	Scott W Freisher	1

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Analysis Report

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/16/11 at 05:16 PM

Group Number: 1249981

Matrix QC may not be reported if site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: R111662AA	Sample number(s): 6307092-6307104							
Acetone	< 1.0	1.0	mg/kg	129	127	32-209	2	30
Acrolein	< 5.0	5.0	mg/kg	92	94	52-139	2	30
Acrylonitrile	< 1.0	1.0	mg/kg	108	104	60-133	3	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	101	102	69-124	1	30
Benzene	< 0.25	0.25	mg/kg	109	109	80-120	0	30
Bromodichloromethane	< 0.25	0.25	mg/kg	102	103	78-120	1	30
Bromoform	< 0.25	0.25	mg/kg	89	91	70-120	3	30
Bromomethane	< 0.25	0.25	mg/kg	68	73	32-162	7	30
2-Butanone	< 0.50	0.50	mg/kg	122	120	46-153	1	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	109	103	71-122	6	30
n-Butylbenzene	< 0.25	0.25	mg/kg	77	82	72-120	6	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	79	83	75-120	5	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	100	104	69-122	4	30
Chlorobenzene	< 0.25	0.25	mg/kg	95	95	80-120	1	30
Chloroethane	< 0.25	0.25	mg/kg	75	100	37-154	29	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	106	104	43-146	2	30
Chloroform	< 0.25	0.25	mg/kg	106	106	80-120	0	30
Chloromethane	< 0.25	0.25	mg/kg	97	98	54-132	1	30
Dibromochloromethane	< 0.25	0.25	mg/kg	91	92	77-120	1	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	88	89	79-120	1	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	88	89	78-120	2	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	89	91	79-120	2	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	110	112	80-120	1	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	109	112	71-129	3	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	114	117	73-123	3	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	109	108	80-120	1	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	110	110	79-120	0	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	106	108	80-120	2	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	106	107	80-120	1	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	89	91	77-120	2	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	102	103	70-122	1	30
Ethylbenzene	< 0.25	0.25	mg/kg	90	90	80-120	0	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	107	109	73-121	2	30
Isopropylbenzene	< 0.25	0.25	mg/kg	85	86	76-120	2	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	79	83	75-120	5	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	104	105	74-121	1	30
Methylene Chloride	< 0.25	0.25	mg/kg	108	111	76-124	3	30
Naphthalene	< 0.25	0.25	mg/kg	75	75	59-123	0	30
n-Propylbenzene	< 0.25	0.25	mg/kg	83	84	77-120	2	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	89	89	71-123	0	30
Tetrachloroethene	< 0.25	0.25	mg/kg	91	93	77-120	2	30
Toluene	< 0.25	0.25	mg/kg	95	98	80-120	3	30
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	103	106	71-125	3	30
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	93	96	80-120	3	30
Trichloroethene	< 0.25	0.25	mg/kg	104	106	80-120	2	30
Trichlorofluoromethane	< 0.25	0.25	mg/kg	84	90	58-133	7	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1249981

Reported: 06/16/11 at 05:16 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	82	84	79-120	2	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	84	85	78-120	1	30
Vinyl Chloride	< 0.25	0.25	mg/kg	97	99	53-120	2	30
Xylene (Total)	< 0.25	0.25	mg/kg	93	94	80-120	1	30
Batch number: R111671AA	Sample number(s): 6307101,6307103-6307104							
Acetone	< 1.0	1.0	mg/kg	102		32-209		
Acrolein	< 5.0	5.0	mg/kg	89		52-139		
Acrylonitrile	< 1.0	1.0	mg/kg	99		60-133		
t-Amyl methyl ether	< 0.25	0.25	mg/kg	97		69-124		
Bromodichloromethane	< 0.25	0.25	mg/kg	97		78-120		
Bromoform	< 0.25	0.25	mg/kg	93		70-120		
Bromomethane	< 0.25	0.25	mg/kg	73		32-162		
2-Butanone	< 0.50	0.50	mg/kg	100		46-153		
t-Butyl alcohol	< 5.0	5.0	mg/kg	114		71-122		
n-Butylbenzene	< 0.25	0.25	mg/kg	88		72-120		
sec-Butylbenzene	< 0.25	0.25	mg/kg	89		75-120		
Carbon Tetrachloride	< 0.25	0.25	mg/kg	96		69-122		
Chlorobenzene	< 0.25	0.25	mg/kg	99		80-120		
Chloroethane	< 0.25	0.25	mg/kg	93		37-154		
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	99		43-146		
Chloroform	< 0.25	0.25	mg/kg	99		80-120		
Chloromethane	< 0.25	0.25	mg/kg	66		54-132		
Dibromochloromethane	< 0.25	0.25	mg/kg	95		77-120		
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	96		79-120		
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	96		78-120		
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	97		79-120		
1,1-Dichloroethane	< 0.25	0.25	mg/kg	101		80-120		
1,2-Dichloroethane	< 0.25	0.25	mg/kg	100		71-129		
1,1-Dichloroethene	< 0.25	0.25	mg/kg	111		73-123		
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	105		80-120		
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	105		79-120		
1,2-Dichloropropane	< 0.25	0.25	mg/kg	101		80-120		
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	100		80-120		
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	94		77-120		
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	97		70-122		
di-Isopropyl ether	< 0.25	0.25	mg/kg	100		73-121		
Isopropylbenzene	< 0.25	0.25	mg/kg	91		76-120		
p-Isopropyltoluene	< 0.25	0.25	mg/kg	90		75-120		
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	99		74-121		
Methylene Chloride	< 0.25	0.25	mg/kg	105		76-124		
Naphthalene	< 0.25	0.25	mg/kg	82		59-123		
n-Propylbenzene	< 0.25	0.25	mg/kg	91		77-120		
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	98		71-123		
Tetrachloroethene	< 0.25	0.25	mg/kg	98		77-120		
Toluene	< 0.25	0.25	mg/kg	101		80-120		
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	98		71-125		
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	98		80-120		
Trichloroethene	< 0.25	0.25	mg/kg	98		80-120		
Trichlorofluoromethane	< 0.25	0.25	mg/kg	74		58-133		
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	93		78-120		
Vinyl Chloride	< 0.25	0.25	mg/kg	72		53-120		
Batch number: X111671AA	Sample number(s): 6307099							
Acetone	< 0.020	0.020	mg/kg	87	94	32-209	7	30
Acrolein	< 0.10	0.10	mg/kg	107	107	52-139	1	30
Acrylonitrile	< 0.020	0.020	mg/kg	82	87	60-133	5	30
t-Amyl methyl ether	< 0.005	0.005	mg/kg	93	96	69-124	3	30

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1249981

Reported: 06/16/11 at 05:16 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzene	< 0.005	0.005	mg/kg	101	99	80-120	2	30
Bromodichloromethane	< 0.005	0.005	mg/kg	99	99	78-120	0	30
Bromoform	< 0.005	0.005	mg/kg	90	92	70-120	2	30
Bromomethane	< 0.005	0.005	mg/kg	89	90	32-162	1	30
2-Butanone	< 0.010	0.010	mg/kg	85	91	46-153	7	30
t-Butyl alcohol	< 0.10	0.10	mg/kg	116	112	71-122	3	30
n-Butylbenzene	< 0.005	0.005	mg/kg	100	104	72-120	4	30
sec-Butylbenzene	< 0.005	0.005	mg/kg	102	102	75-120	0	30
Carbon Tetrachloride	< 0.005	0.005	mg/kg	101	102	69-122	0	30
Chlorobenzene	< 0.005	0.005	mg/kg	103	100	80-120	3	30
Chloroethane	< 0.005	0.005	mg/kg	89	90	37-154	1	30
Chloroform	< 0.005	0.005	mg/kg	102	102	80-120	0	30
Chloromethane	< 0.005	0.005	mg/kg	88	92	54-132	5	30
Dibromochloromethane	< 0.005	0.005	mg/kg	99	98	77-120	1	30
1,2-Dichlorobenzene	< 0.005	0.005	mg/kg	100	100	79-120	1	30
1,3-Dichlorobenzene	< 0.005	0.005	mg/kg	98	98	78-120	0	30
1,4-Dichlorobenzene	< 0.005	0.005	mg/kg	102	99	79-120	3	30
1,1-Dichloroethane	< 0.005	0.005	mg/kg	98	100	80-120	3	30
1,2-Dichloroethane	< 0.005	0.005	mg/kg	103	104	71-129	1	30
1,1-Dichloroethene	< 0.005	0.005	mg/kg	96	96	73-123	1	30
cis-1,2-Dichloroethene	< 0.005	0.005	mg/kg	99	97	80-120	3	30
trans-1,2-Dichloroethene	< 0.005	0.005	mg/kg	97	97	79-120	0	30
1,2-Dichloropropane	< 0.005	0.005	mg/kg	96	98	80-120	2	30
cis-1,3-Dichloropropene	< 0.005	0.005	mg/kg	97	98	80-120	1	30
trans-1,3-Dichloropropene	< 0.005	0.005	mg/kg	99	99	77-120	1	30
Ethyl t-butyl ether	< 0.005	0.005	mg/kg	96	96	70-122	1	30
Ethylbenzene	< 0.005	0.005	mg/kg	104	101	80-120	3	30
di-Isopropyl ether	< 0.005	0.005	mg/kg	95	95	73-121	0	30
Isopropylbenzene	< 0.005	0.005	mg/kg	106	103	76-120	3	30
p-Isopropyltoluene	< 0.005	0.005	mg/kg	103	101	75-120	2	30
Methyl Tertiary Butyl Ether	< 0.005	0.005	mg/kg	92	96	74-121	4	30
Methylene Chloride	< 0.005	0.005	mg/kg	96	96	76-124	0	30
Naphthalene	< 0.005	0.005	mg/kg	94	91	59-123	2	30
n-Propylbenzene	< 0.005	0.005	mg/kg	102	103	77-120	0	30
1,1,2,2-Tetrachloroethane	< 0.005	0.005	mg/kg	93	98	71-123	5	30
Tetrachloroethene	< 0.005	0.005	mg/kg	103	99	77-120	4	30
1,1,1-Trichloroethane	< 0.005	0.005	mg/kg	103	103	71-125	0	30
1,1,2-Trichloroethane	< 0.005	0.005	mg/kg	100	99	80-120	1	30
Trichloroethene	< 0.005	0.005	mg/kg	100	99	80-120	2	30
Trichlorofluoromethane	< 0.005	0.005	mg/kg	93	92	58-133	1	30
1,2,4-Trimethylbenzene	< 0.005	0.005	mg/kg	102	101	79-120	1	30
1,3,5-Trimethylbenzene	< 0.005	0.005	mg/kg	103	103	78-120	0	30
Vinyl Chloride	< 0.005	0.005	mg/kg	91	93	53-120	3	30
Xylene (Total)	< 0.005	0.005	mg/kg	104	102	80-120	2	30
Batch number: 11158A16A	Sample number(s): 6307092-6307098							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	83	85	67-119	2	30
Batch number: 11160A16A	Sample number(s): 6307099-6307100,6307102							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	87	91	67-119	4	30
Batch number: 11160A16B	Sample number(s): 6307101,6307103-6307104							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	87	91	67-119	4	30
Batch number: 111590009A	Sample number(s): 6307092-6307094							
TPH-DRO soil C10-C28 microwave	< 12	12.	mg/kg	97		76-117		
Batch number: 111600007A	Sample number(s): 6307095-6307104							

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1249981

Reported: 06/16/11 at 05:16 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
TPH-DRO soil C10-C28 microwave	< 12	12.	mg/kg	95		76-117		
Batch number: 11161820002B	Sample number(s): 6307092-6307093,6307095-6307104							
Moisture				100		99-101		
Batch number: 11164820001A	Sample number(s): 6307094							
Moisture				99		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike

Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: R111671AA	Sample number(s): 6307101,6307103-6307104 UNSPK: P313530								
Acetone	88	100	15-210	14	30				
Acrolein	61	64	10-165	5	30				
Acrylonitrile	82	95	48-139	15	30				
t-Amyl methyl ether	89	95	59-123	8	30				
Bromodichloromethane	84	91	53-136	9	30				
Bromoform	83	90	38-124	9	30				
Bromomethane	57	51	42-168	9	30				
2-Butanone	85	100	37-163	18	30				
t-Butyl alcohol	110	114	47-153	5	30				
n-Butylbenzene	79	85	30-146	9	30				
sec-Butylbenzene	81	87	33-157	8	30				
Carbon Tetrachloride	81	87	45-153	8	30				
Chlorobenzene	88	93	49-135	7	30				
Chloroethane	58	70	39-152	19	30				
2-Chloroethyl Vinyl Ether	87	96	32-139	10	30				
Chloroform	86	92	61-142	8	30				
Chloromethane	46*	50*	51-163	10	30				
Dibromochloromethane	85	91	51-128	8	30				
1,2-Dichlorobenzene	87	92	36-133	7	30				
1,3-Dichlorobenzene	86	92	34-134	8	30				
1,4-Dichlorobenzene	85	93	35-136	10	30				
1,1-Dichloroethane	86	94	63-142	10	30				
1,2-Dichloroethane	84	92	68-131	11	30				
1,1-Dichloroethene	84	90	61-149	8	30				
cis-1,2-Dichloroethene	87	95	60-136	10	30				
trans-1,2-Dichloroethene	86	93	59-142	9	30				
1,2-Dichloropropane	88	94	62-135	8	30				
cis-1,3-Dichloropropene	86	94	51-131	10	30				
trans-1,3-Dichloropropene	83	87	49-129	6	30				
Ethyl t-butyl ether	89	96	58-124	9	30				
di-Isopropyl ether	92	96	59-133	5	30				
Isopropylbenzene	83	87	38-144	6	30				
p-Isopropyltoluene	81	87	29-152	9	30				
Methyl Tertiary Butyl Ether	90	98	55-129	10	30				
Methylene Chloride	87	92	61-141	7	30				
Naphthalene	73	82	10-138	13	30				
n-Propylbenzene	81	87	39-157	9	30				
1,1,2,2-Tetrachloroethane	89	98	40-152	12	30				

*- Outside of specification

(1) The result for one or both determinations was less than five times the LOQ.

(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/16/11 at 05:16 PM

Group Number: 1249981

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Tetrachloroethene	93	96	42-149	4	30				
Toluene	89	94	50-146	6	30				
1,1,1-Trichloroethane	78	82	64-142	6	30				
1,1,2-Trichloroethane	88	94	54-139	8	30				
Trichloroethene	85	91	53-144	8	30				
Trichlorofluoromethane	60	60	47-163	1	30				
1,3,5-Trimethylbenzene	83	89	38-150	8	30				
Vinyl Chloride	49*	54	50-154	11	30				
Batch number: 111590009A	Sample number(s): 6307092-6307094 UNSPK: P306282 BKG: P306282								
TPH-DRO soil C10-C28 microwave	112		30-159			< 12	< 12	27* (1)	20
Batch number: 111600007A	Sample number(s): 6307095-6307104 UNSPK: 6307095 BKG: 6307095								
TPH-DRO soil C10-C28 microwave	112		30-159			330	360	10	20
Batch number: 11161820002B	Sample number(s): 6307092-6307093,6307095-6307104 BKG: P306303								
Moisture						17.5	19.9	13	15
Batch number: 11164820001A	Sample number(s): 6307094 BKG: 6307094								
Moisture						23.6	23.6	0	15

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs TCL (4.3) 8260 Soil
Batch number: R111662AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6307092	89	95	114	119*
6307093	91	93	81	79
6307094	93	97	83	78
6307095	91	96	101	100
6307096	87	91	105	106
6307097	88	88	78	76
6307098	95	99	90	97
6307100	91	93	81	76
6307101	75	80	105	103
6307102	89	89	78	71
6307103	86	92	126*	122*
Blank	110	112*	97	92
LCS	103	105	92	93
LCSD	112	114*	101	104
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs TCL (4.3) 8260 Soil
Batch number: R111671AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder

Group Number: 1249981

Reported: 06/16/11 at 05:16 PM

Surrogate Quality Control

6307104	79	86	95	97
Blank	100	103	100	94
LCS	94	93	91	86
MS	69*	69*	69*	65*
MSD	77	79	76	72
Limits:	71-114	70-109	70-123	70-111

Analysis Name: VOCs TCL (4.3) 8260 Soil
Batch number: X111671AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
6307099	101	104	93	96
Blank	104	99	93	97
LCS	102	101	103	99
LCSD	102	103	102	96
Limits:	71-114	70-109	70-123	70-111

Analysis Name: TPH-GRO soil C6-C10
Batch number: 11158A16A

	Trifluorotoluene-F
6307092	805*
6307093	70
6307094	66
6307095	559*
6307096	991*
6307097	213*
6307098	153*
Blank	78
LCS	78
LCSD	81
Limits:	61-122

Analysis Name: TPH-GRO soil C6-C10
Batch number: 11160A16A

	Trifluorotoluene-F
6307099	75
6307100	100
6307102	69
Blank	86
LCS	85
LCSD	89
Limits:	61-122

Analysis Name: TPH-GRO soil C6-C10
Batch number: 11160A16B

	Trifluorotoluene-F
6307101	4556*
6307103	2713*
6307104	1125*

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 06/16/11 at 05:16 PM

Group Number: 1249981

Surrogate Quality Control

	Orthoterphenyl
Blank	85
LCS	85
LCSD	89
Limits:	61-122

Analysis Name: TPH-DRO soil C10-C28 microwave
Batch number: 111590009A

	Orthoterphenyl
6307092	116
6307093	81
6307094	91
Blank	104
DUP	87
LCS	108
MS	104
Limits:	59-129

Analysis Name: TPH-DRO soil C10-C28 microwave
Batch number: 111600007A

	Orthoterphenyl
6307095	105
6307096	106
6307097	104
6307098	106
6307099	94
6307100	88
6307101	108
6307102	91
6307103	128
6307104	108
Blank	104
DUP	105
LCS	110
MS	115
Limits:	59-129

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 1249981 Sample #: 6307092-104

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	Mark Steele	P.O. #:	51141-143836
Sampler:	Joe Grillo	Quote #:	
Name of State where samples were collected:	Maryland		

For Lab Use Only

FSC:

SCR#:

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Potable	NPDES	Water	Other	Total # of Containers	Analyses Requested: Full List VOC+oxy8260 (H)	TPH-GRO 8015 (H)	TPH-DRO 8015 (H)	Remarks
SB-1 (10-12)	6-2-11	1015	X		X					6	X	X	X	
SB-1 (18-20)		1036												
SB-1 (20-22)		1035												
SB-2 (18-20)	6-3-11	905												
SB-3 (13-15)		810												
SB-3 (18-20)		820												
SB-4 (8-10)	6-2-11	1535												
SB-4 (18-20)		1550												
SB-5 (7-8)		1130												
SB-5 (18-20)		1140												

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if required)

Turnaround Time Requested (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: Fax #:

E-mail address:

Data Package Options (please circle if required)

Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No

(If yes, indicated QC sample and submit triplicate volume)

Internal COC required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
J Grillo	6/3/11	1430	Fed Ex		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	6/4/11	9:15

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 1249981 Sample #: 6307092-104

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	Mark Steele	P.O. #:	51141-143836
Sampler:	Joe Gallo	Quote #:	
Name of State where samples were collected:	Maryland		

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water	Matrix: Other	Total # of Containers	Analyses Requested: Full List VOC+oxy8260 (H)	TPH-GRO 8015 (H)	TPH-DRO 8015 (H)	Remarks
SB-5 (27-28.5)	6-2-11	1150	X		X			6	X	X	X	
SB-6 (5-6)	"	1320	X		X			6	X	X	X	
SB-6 (13-15)	"	1330	X		X			6	X	X	X	

Matrix: Potable, NPDES

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

For Lab Use Only: FSC: SCR#:

Turnaround Time Requested (TAT) (please circle): Normal Rush

(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: Fax #:

E-mail address:

Data Package Options (please circle if required)

Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicated QC sample and submit triplicate volume)

Internal COC required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	6/3/11	1436	Fed Ex		
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by:	Date	Time
Relinquished by:	Date	Time	Received by: [signature]	6/4/11	9:15

Lancaster Laboratories

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit
N.D.	none detected
TNTC	Too Numerous To Count
IU	International Units
umhos/cm	micromhos/cm
C	degrees Celsius
meq	milliequivalents
g	gram(s)
ug	microgram(s)
ml	milliliter(s)
m3	cubic meter(s)

BMQL	Below Minimum Quantitation Level
MPN	Most Probable Number
CP Units	cobalt-chloroplatinate units
NTU	nephelometric turbidity units
ng	nanogram(s)
F	degrees Fahrenheit
lb.	pound(s)
kg	kilogram(s)
mg	milligram(s)
l	liter(s)
ul	microliter(s)

<	less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.
>	greater than
J	estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter of gas per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers

A	TIC is a possible aldol-condensation product
B	Analyte was also detected in the blank
C	Pesticide result confirmed by GC/MS
D	Compound quantitated on a diluted sample
E	Concentration exceeds the calibration range of the instrument
N	Presumptive evidence of a compound (TICs only)
P	Concentration difference between primary and confirmation columns >25%
U	Compound was not detected
X,Y,Z	Defined in case narrative

Inorganic Qualifiers

B	Value is <CRDL, but ≥IDL
E	Estimated due to interference
M	Duplicate injection precision not met
N	Spike sample not within control limits
S	Method of standard additions (MSA) used for calculation
U	Compound was not detected
W	Post digestion spike out of control limits
*	Duplicate analysis not within control limits
+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL LANCASTER LABORATORIES BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF LANCASTER LABORATORIES AND (B) WHETHER LANCASTER LABORATORIES HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Lancaster Laboratories which includes any conditions that vary from the Standard Terms and Conditions, and Lancaster hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

Appendix F
Non-Hazardous Waste Manifest

For Facility Use Only
I.D.# 62317

NON-HAZARDOUS MANIFEST

For Facility Use Only
Manifest# 69029

Date:

Reco BIOTECHNOLOGY
710 Hospital Street
Richmond, VA 23219
(804) 644-2800

Generator: Name: Southside Fac# 27235 — Contact Name: Ryan Reeves
Address: 4900 W Hundred Rd — Telephone: 410-850-0404 ext 0785
Chester VA
SITE: service station at 1000 Forest Dr, Annapolis MD

Transporter or Carrier: Name: IPS — Contact Name: A.J Ananick
Address: Midlothian — Telephone: 804-335-1077

Destination:
Delivery Address: Reco Biotechnology, 710 Hospital Street, Richmond, VA 23219 — Contact: Reco Biotechnology — Telephone: (804) 644-2800

Route:

X (Dave)

NO. of Packages	(*) Container	Shipping Description	Soil Weight (Sub. to Cor.)
6	DM	Non-Regulated Material non-regulated None None (petroleum contaminated soil)	

* – DM = Drum
DT = Dump Truck/Trailer
SC = Steel Container
RC = Rail Car

Truck #: _____ *Gross Weight: _____
Tare Weight: _____
Net Weight: _____
* May attach weight tickets

Certification:
I/We certify that the above material is not a HAZARDOUS WASTE as defined by the Resource Conservation and Recovery Act (RCRA), Virginia Hazardous Waste Management Regulations or as defined by the state of origin.

Rose Kuo — PRINTED/TYPED NAME & TITLE
SIGNATURE
8 Aug 2011 — DATE

Truck Driver's Signature: _____ Date: 8 Aug 2011

Discrepancies: _____

RECEIVED BY: Reco Biotechnology
SIGNED BY: D Hunt
DATE: 8-8-11

Aqua Clean of Virginia, LLC dba Reco Biotechnology

FACILITY COPY

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SOIL EXCAVATION AND SYSTEM INSTALLATION REPORT

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland 21401
MDE Case # 2011-0065-AA

July 31, 2015

AUG 3 2015

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A Report Prepared for:

Southside Oil, LLC
1011 Boulder Springs Drive, Suite 100
Richmond, VA 23225

SOIL EXCAVATION AND SYSTEM INSTALLATION REPORT
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland 21401
MDE Case # 2011-0065-AA

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July 31, 2015
Kleinfelder Project No. 113847

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A MDE Correspondence
B Photographic Documentation
C City of Annapolis Permits
D Lancaster Laboratories Analytical Report – Soil
E Waste Manifests
F Soil Boring and Well Construction Logs
G Equipment Specifications

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1 INTRODUCTION

Kleinfelder, Inc. (Kleinfelder), on behalf of Southside Oil, LLC (Southside), has completed this Soil Excavation and System Installation Report for former Southside Facility #27235 located at 1000 Forest Drive in Annapolis, Maryland (Site). The remedial excavation of the former dispenser area and the installation of the Soil Vapor Extraction and Air Sparge (SVE/AS) remediation system was completed as proposed in the Corrective Action Plan Addendum (CAPA) dated March 4, 2013 and approved by the MDE in correspondence dated April 22, 2013 (**Appendix A**). The SVE/AS system has been designed and installed to address dissolved phase, adsorbed phase, and vapor phase petroleum compounds detected in the unsaturated and saturated zones of the subsurface. This report contains details and results of the remedial excavation and system installation activities, process and instrumentation diagram (P&ID) for the remedial system and schematics of major system components.

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2 REMEDIATION ACTIVITIES

A summary of remedial activities completed as part of the approved CAPA is provided below. Photographic documentation of the remedial activities is included as **Appendix B.**

2.1 REMEDIAL EXCAVATION

On February 10, 2015, partial lot grading permit #GRD14-0009 was issued by the City of Annapolis for the excavation of the former dispenser area and trenching for the remediation system installation. The permit is included within **Appendix C.**

On April 15, 2015, Odyssey, under Kleinfelder oversight, completed the remedial excavation of the former dispenser area. The location of the excavation area is depicted on **Figure 1.** The proposed remedial excavation from the CAP was approximately 41 feet long by 24 feet wide with depths ranging from 5 to 10 feet below grade. The width of the remedial excavation was smaller than originally proposed in the CAP, due to the presence of the UST system product lines identified during utility locating / ground penetrating radar (GPR) survey (**Figure 1**). A 10 foot buffer from the excavation sidewall to the edge of the identified product line trench was maintained. The excavation was completed to depths of approximately 10 to 12 feet below grade, with approximately 276 tons of soil excavated. The MDE Case Manager Michael Edillon visited the Site on April 15, 2015 and a copy of the MDE Report of Observations is provided within **Appendix A.**

Prior to direct loading into trucks for off-site disposal, the excavated soils were field screened with a photoionization detector (PID); PID readings ranged from 297 parts per million (ppm) to 1,309 ppm. Per the approved Post-Excavation Sampling Plan submitted to the MDE on November 12, 2012 and discussion with the MDE Case Manager in the field, confirmation soil samples were collected from the base and sidewalls of the excavation for laboratory analysis. Specifically, one grab soil sample was collected from every 20 feet of sidewall (6 total) for laboratory analysis. The base of the remedial excavation was divided into three grids and one grab soil sample (3 total) was collected for laboratory analysis from each grid section. The soil samples were collected from the excavator bucket, placed in laboratory-provided containers,

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packed on ice in shipping containers, and submitted under chain-of-custody to Lancaster for analysis of full list volatile organic compounds (VOCs) using EPA Method 8260 and TPH-GRO and TPH-DRO using EPA Method 8015. A total of nine soil samples were collected from the base and sidewalls of the completed excavation as depicted on **Figure 2**. The Lancaster Laboratories Analysis Report is included within **Appendix D,** and the soil analytical results are summarized in **Table 1.** A review of **Table 1** indicates the following:

- Benzene concentrations ranged from 0.47 milligrams per kilogram (mg/kg) [RE-NSW-1 (9)] to 76 mg/kg [RE-WSW-1(10)]. The concentration detected in soil sample RE-NSW-1 was above the MDE Non-Residential Soil Standard (52 mg/kg).
- TPH-GRO concentrations ranged from 21 mg/kg [RE-ESW-1 (9)] to 13,000 mg/kg [RE-WSW-1(10)]. The detected concentrations in five of the soil samples exceeded the MDE non-residential standard (620 mg/kg).
- TPH-DRO concentrations ranged from below laboratory detection limits to 1,800 mg/kg. The concentration detected in soil sample RE-WSW-1(10) was above the MDE Non-Residential Soil Standard (620 mg/kg).
- Toluene, ethylbenzene, total xylenes, MTBE, and naphthalene were either not detected above the laboratory detection limits or were detected below the MDE non-residential soil standards.

Excavated soil was loaded by Odyssey into dump trucks for transportation to the Clean Earth facility in Upper Marlboro, Maryland. Approximately 276 tons of soil were removed from the former dispenser area and the soil disposal manifests are included within **Appendix E.**

On April 15, 2015, the excavation was backfilled to four feet below grade using #57 stone, a geotextile fabric was installed at four feet below grade, and CR-6 aggregate was installed from four feet below grade to approximately four inches below grade.

2.2 REMEDIATION WELL INSTALLATION

On January 13 through 16, 2014, remediation wells outside of the excavation area, sparge wells SP-2 through SP-5 and vapor extraction wells VE-5 through VE-7, were installed by Odyssey with oversight by Kleinfelder. Remediation wells in the vicinity of the excavation area, sparge wells

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SP-6 and SP-7 and vapor extraction wells VE-2 through VE-4, were installed on April 21 and 22, 2015 by Odyssey. The locations of the wells are depicted on **Figure 1**.

Prior to drilling, locations were cleared to 5-8 feet below grade surface using airknife/vacuum excavation technology. Following borehole clearance, the remediation wells were advanced to depths ranging from 15 to 19 feet below grade surface. Soil samples from each location were collected continuously using macrocore samplers. Kleinfelder logged the samples for lithology and performed standard headspace analysis with a PID in the field to measure the concentrations of VOCs. One soil sample with the highest PID reading above the initial groundwater interface was submitted for laboratory analysis for sparge wells SP-2 through SP-5 and vapor extraction wells VE-5 through VE-7. Soil samples were placed in laboratory-provided containers, packed on ice in shipping containers, and submitted under chain-of-custody to Lancaster for analysis of full list VOCs using EPA Method 8260 and TPH-GRO and TPH-DRO using EPA Method 8015B. The soil analytical data are summarized in **Table 1** and the Lancaster Laboratories Analysis Report is included as **Appendix D**.

The vapor extraction wells, with the exception of VE-2, were installed to depths of 15 feet below grade and were constructed of six feet of 4-inch diameter schedule 40 PVC riser and nine feet of 4-inch diameter schedule 40 PVC 0.020 slotted screen at the base. In order to prevent short-circuiting of the SVE system, vapor extraction well VE-2 was completed to a depth of 16 feet below grade using 13 feet of 4-inch diameter schedule 40 PVC riser and three feet of 4-inch diameter schedule 40 PVC 0.020 slotted screen at the base. The air sparge wells were installed to the top of the clay layer at a depth of 19 feet below grade and were constructed of 18 feet of 2-inch diameter schedule 40 PVC riser with one foot of 2-inch diameter schedule 40 PVC 0.020 slotted screen at the base. The borehole annulus of each well was finished with a sand pack to approximately 1-foot above the top of the well screen, capped with a 2-foot bentonite seal, and grouted with a portland cement/bentonite mixture to surface. Each well was finished with a flush mounted 8-inch diameter bolt-down road box, encased in a concrete pad. The boring logs and well construction details are provided in **Appendix F**.

The sparge wells were developed using a 1.5-inch diameter submersible pump. The pump was surged inside the wells to remove sediment from the sand filter, to grade formational sediments and to remove the sediment lining on the borehole that is inherent in most drilling methods.

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After the wells were surged, the submersible pump was lowered into the wells and pumped until the water removed was of minimal turbidity. Water generated during development was treated with portable carbon filtration units prior to discharging to landscaped areas.

2.3 TRENCHING AND PIPING

Trenching and piping activities were completed from April 16 to April 22, 2015 by Odyssey and under supervision of Kleinfelder. Approximately 220 linear feet of trench was excavated to install subsurface piping to connect the SVE and AS wells to the SVE/AS remediation system. The trenching layout is included as **Figure 1**. The trench included seven 2-inch diameter, schedule 40 PVC pipes to connect SVE wells and seven 1-inch diameter, schedule 80 PVC pipes to connect AS wells. Each of the SVE/AS wells were connected to dedicated PVC pipes and finished as a stub-up adjacent to the remediation system. Wellhead and trenching details are included on **Figure 3.** The piping was placed within trenches excavated to a depth between 2 and 3 feet below grade. The piping was installed on a bed of sand and covered by a 4 inch of sand layer. The trenches were backfilled with self-compacting stone in six-inch lifts and resurfaced to match existing conditions.

The excavated soils from the trenching were loaded directly into roll-off containers and the excavated soil was not re-used as backfill. Approximately 43 tons of soil were generated during trenching and were stored in roll-off containers provided by Clean Earth. These soils were transported to the Clean Earth facility in Upper Marlboro, Maryland for disposal. The manifests are included within **Appendix E.**

On April 24, 2015, Kleinfelder oversaw the paving of the excavation and trenching areas. The Site was restored, and sod was installed on disturbed soil per the City of Annapolis grading permit requirements.

2.4 SYSTEM COMPOUND

On April 21, 2015, building permit # BLD15-0110 and fence permit #FEN15-0021 were issued to Kleinfelder by the City of Annapolis for the placement of the remediation system container and

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installation of fencing around the remediation compound area. The building and fence permits are included within **Appendix C**.

The remediation system compound is located on the northwestern portion of the Site (**Figure 1).** Remedial equipment is housed within a locked 15-foot long by 9-foot high by 8-foot wide building, and two 2,000 pound vapor phase carbon vessels are located within the fenced system compound southwest of the building. Per the building permit requirements, a foundation consisting of six sonotube footers filled with concrete surrounded by a compacted gravel base was constructed prior to the placement of the system shed (**Figure 3**). The vapor phase carbon vessels and system control panel are surrounded by a 8-foot high chain link fence with a swing gate entryway.

2.5 EQUIPMENT

On April 27, 2015, the remediation system equipment was delivered to the Site in a prefabricated building, and the vapor phase carbon vessels were installed within the remediation system compound. Piping connections between stub ups and the remediation system were completed on May 4, 2015. The selected remedial equipment includes a Sutorbilt positive displacement SVE blower powered by a 7.5-Horsepower (Hp) motor, moisture separator, a rotary vane Rietschle DTA 60 air sparge compressor powered by a 5-Hp motor, system controls and critical equipment, and two 2,000-pound capacity vapor phase carbon units. P&ID's for the SVE and AS systems are provided as **Figure 4** and a P&ID legend is available as **Figure 5**. A system layout diagram is provided as **Figure 6.** The following sections describe the components and operation of the remediation system. Equipment specifications and diagrams provided by the equipment vendor are included in **Appendix G**.

2.5.1 Soil Vapor Extraction Equipment

Soil vapors are extracted from the SVE wells through the piping network with the positive displacement blower capable of achieving 91 cubic feet per minute (cfm) at 106 inches of water ("H_20). Blower speed will be controlled by a variable frequency drive (VFD). Soil vapors from the individual SVE legs are combined into a 4-inch header into a moisture separator where moisture is condensed and separated from the air stream under gravity. Soil vapors exit the

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moisture separator and are routed through the positive displacement blower to the heat exchanger to two 2,000-pound vapor phase carbon units operated in series.

2.5.2 Air Sparge Equipment

Ambient air is injected into the saturated zone with the air compressor, which is capable of achieving an applied pressure of 12 pounds per square inch (psi) and a total flow rate of 35 cfm. The air sparge system manifold consists of seven sparge legs constructed of 1-inch diameter black iron pipe connected to the stub-ups using 1-inch diameter pressure-rated flexible hose. The sparge lines are connected to a 1-inch diameter steel manifold within the system building.

2.5.3 Controls

The remediation system is equipped with the following critical equipment (CE) devices that are interlocked for safe system operation:

- SVE/AS motor interlock to deactivate AS compressor if SVE blower is not operating.
- Low vacuum switch for the SVE blower.
- Fault alarm for the VFD.
- High level switch for the moisture separator.
- High temperature switch for the air compressor.
- High temperature switch for the vapor phase granular activated carbon influent.

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3 SUMMARY

Kleinfelder, on behalf of Southside Oil, completed remedial activities as proposed in the CAP and CAPA for former Southside Facility #27235. A summary of the activities completed are summarized below:

- The former dispenser area was excavated to remove petroleum impacted soils. Approximately 276 tons of soil was excavated from the former dispenser area and transported for off-site disposal.
- The analytical results of the post-excavation soil samples confirm that VOCs, with the exception of benzene in one of the samples, TPH-GRO in five of the samples, and TPH-DRO in one of the samples, were not detected above their corresponding applicable MDE non-residential standards.
- Air sparge wells SP-2 through SP-7 and vapor extraction wells VE-2 through VE-7, were installed.
- Approximately 220 linear feet of trench was excavated to install subsurface piping to connect the SVE and AS wells to the SVE/AS remediation system. Approximately 43 tons of soil were generated during trenching activities and transported for off-site disposal.
- The prefabricated system building and vapor phase granular activated carbon vessels were installed within the remedial system compound.
- The SVE/AS system will be tested and started upon final connection of the electrical service by Baltimore Gas and Electric.

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4 LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

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Kleinfelder offers various levels of investigative and engineering services to suit the varying needs of different clients. It should be recognized that definition and evaluation of geologic and environmental conditions are a difficult and inexact science. Judgments leading to conclusions and recommendations are generally made with incomplete knowledge of the subsurface conditions present due to the limitations of data from field studies. Although risk can never be eliminated, more-detailed and extensive studies yield more information, which may help understand and manage the level of risk. Since detailed study and analysis involves greater expense, our clients participate in determining levels of service that provide adequate information for their purposes at acceptable levels of risk. More extensive studies, including subsurface studies or field tests, should be performed to reduce uncertainties.

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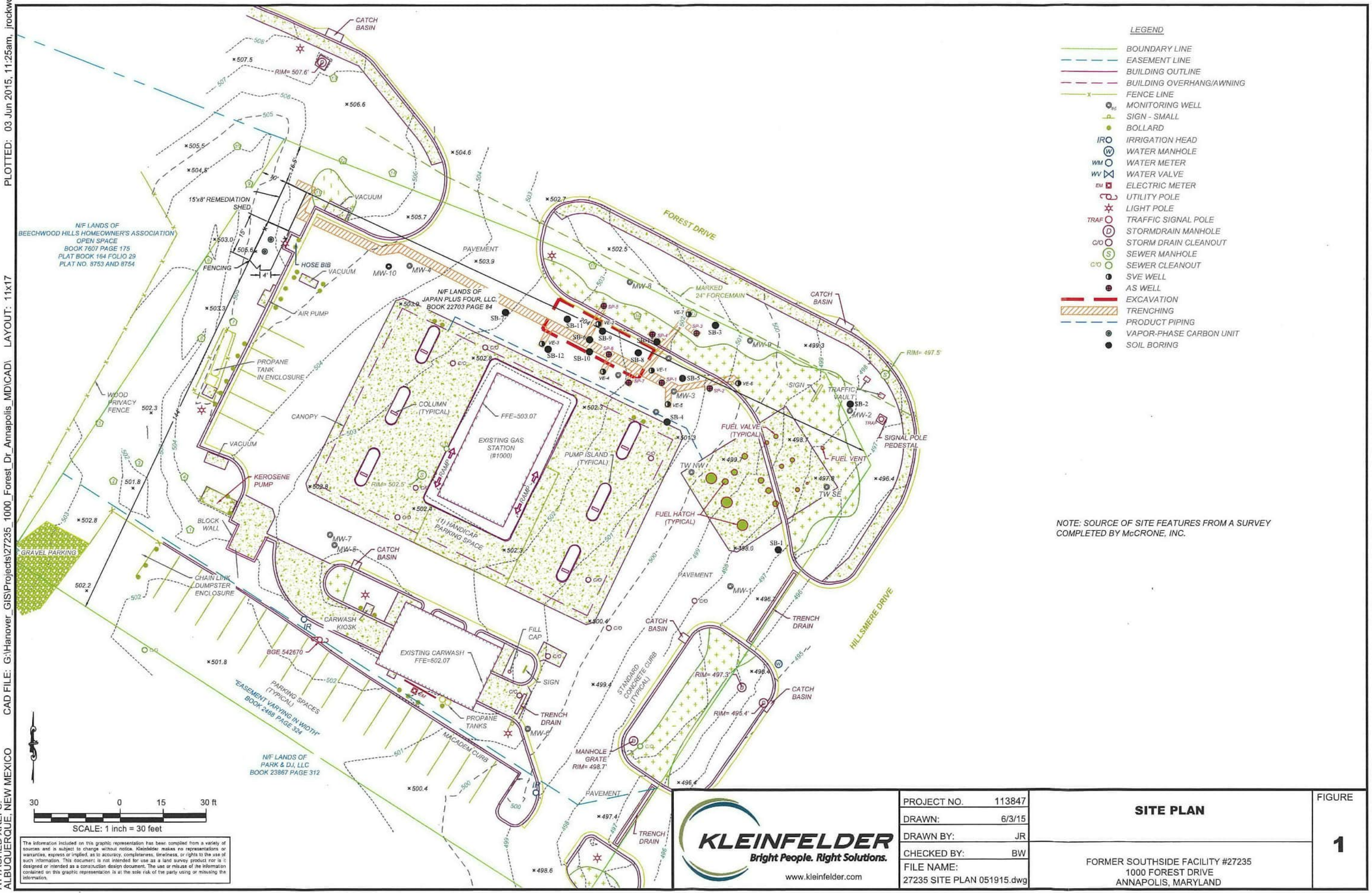
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FIGURES

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ALBUQUERQUE, NEW MEXICO



LEGEND

- BOUNDARY LINE
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG/AWNING
- FENCE LINE
- MONITORING WELL
- SIGN - SMALL
- BOLLARD
- IRO IRRIGATION HEAD
- (W) WATER MANHOLE
- WM WATER METER
- WV WATER VALVE
- EM ELECTRIC METER
- UTILITY POLE
- LIGHT POLE
- TRAF TRAFFIC SIGNAL POLE
- (D) STORMDRAIN MANHOLE
- C/O STORM DRAIN CLEANOUT
- (S) SEWER MANHOLE
- C/O SEWER CLEANOUT
- SVE WELL
- AS WELL
- EXCAVATION
- TRENCHING
- PRODUCT PIPING
- VAPOR-PHASE CARBON UNIT
- SOIL BORING

NOTE: SOURCE OF SITE FEATURES FROM A SURVEY COMPLETED BY McCRONE, INC.

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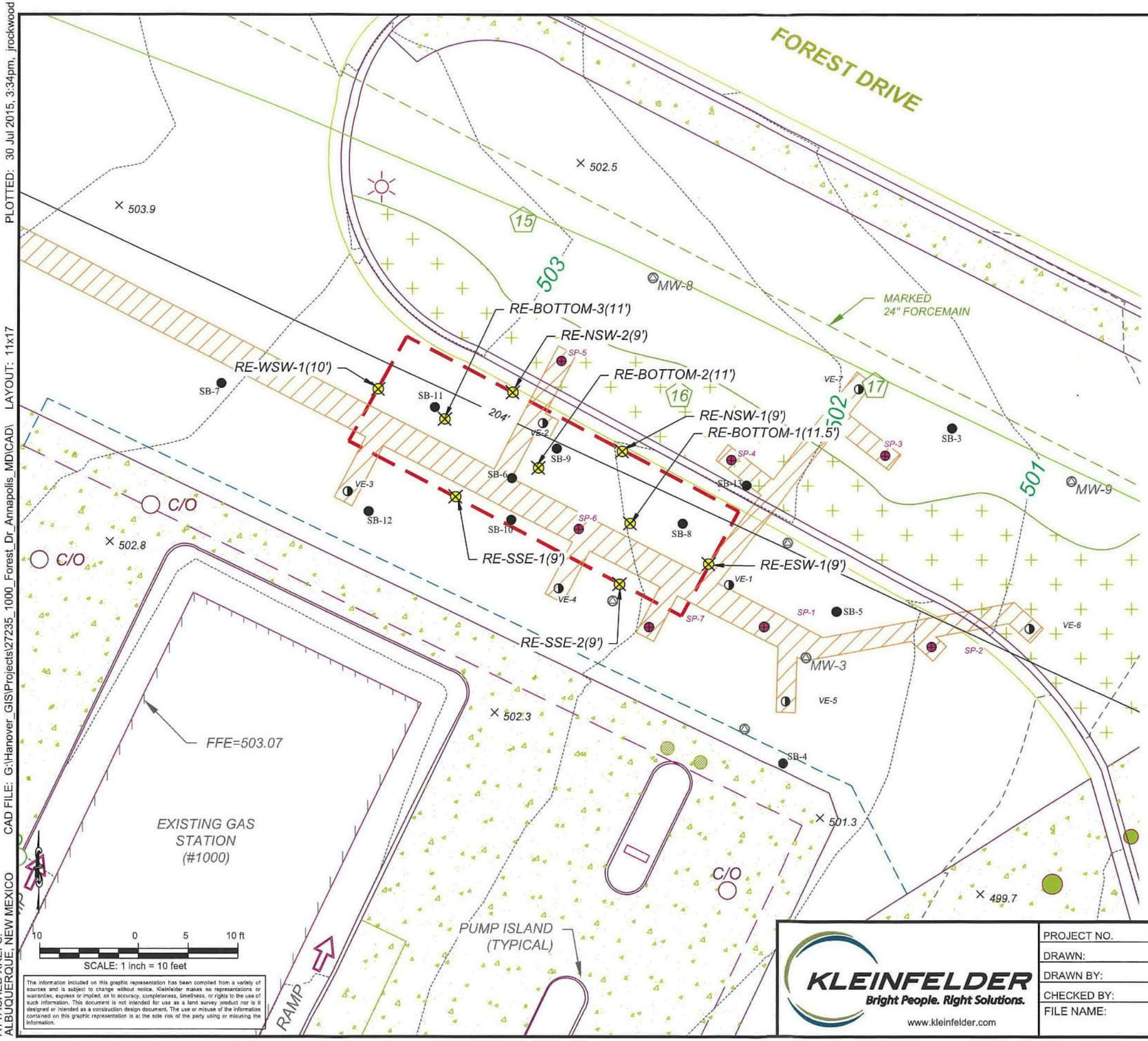
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DRAWN BY:	JR
CHECKED BY:	BW
FILE NAME:	27235 SITE PLAN 051915.dwg

SITE PLAN

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
1

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ATTACHED IMAGES:
ATTACHED XREFS:
ALBUQUERQUE, NEW MEXICO



LEGEND

- BOUNDARY LINE
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG/AWNING
- FENCE LINE
- MONITORING WELL
- SIGN - SMALL
- BOLLARD
- IRO IRRIGATION HEAD
- (W) WATER MANHOLE
- WM WATER METER
- WV WATER VALVE
- EM ELECTRIC METER
- UTILITY POLE
- LIGHT POLE
- TRAF TRAFFIC SIGNAL POLE
- (D) STORMDRAIN MANHOLE
- C/O STORM DRAIN CLEANOUT
- (S) SEWER MANHOLE
- C/O SEWER CLEANOUT
- SVE WELL
- AS WELL
- EXCAVATION
- TRENCHING
- PRODUCT PIPING
- SOIL BORING
- CONFIRMATION SOIL SAMPLE LOCATION

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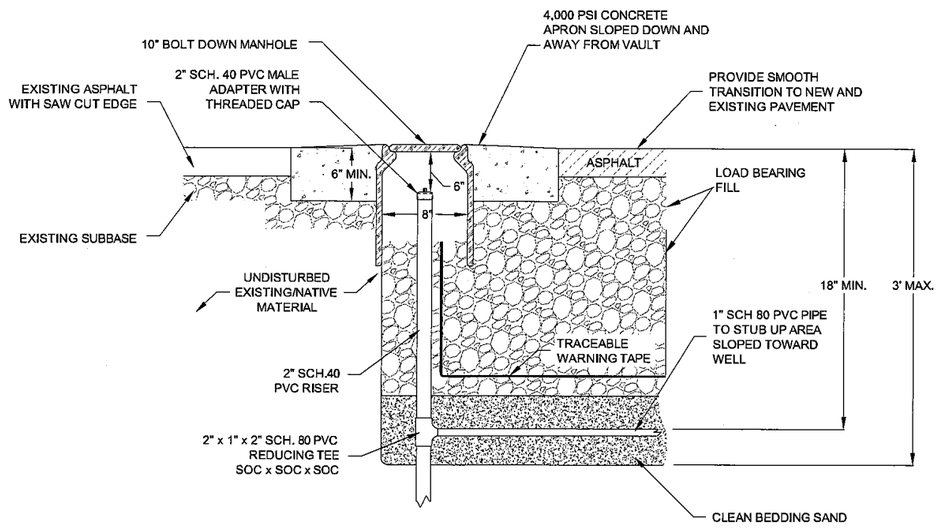
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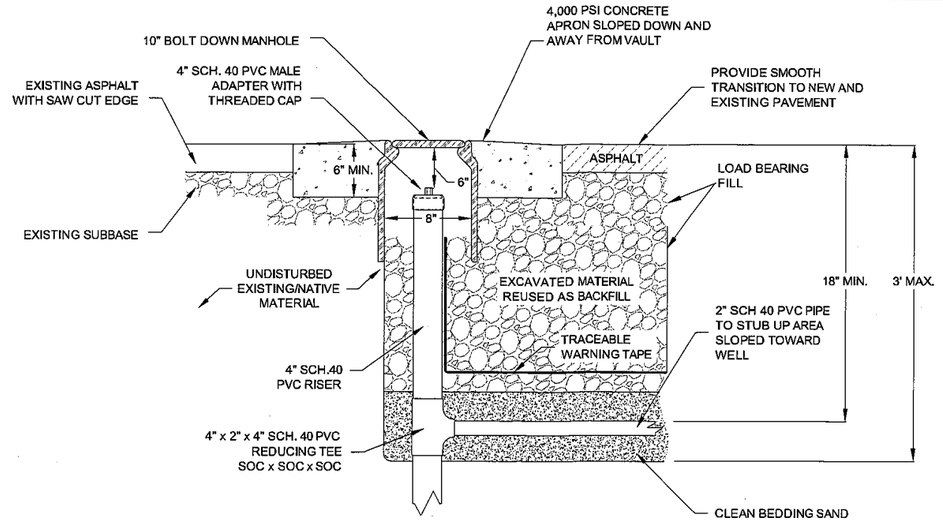
CONFIRMATION SOIL SAMPLE LOCATION MAP

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

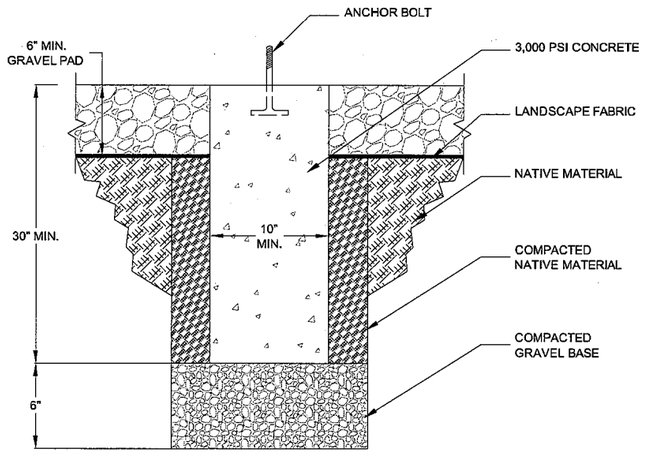
FIGURE
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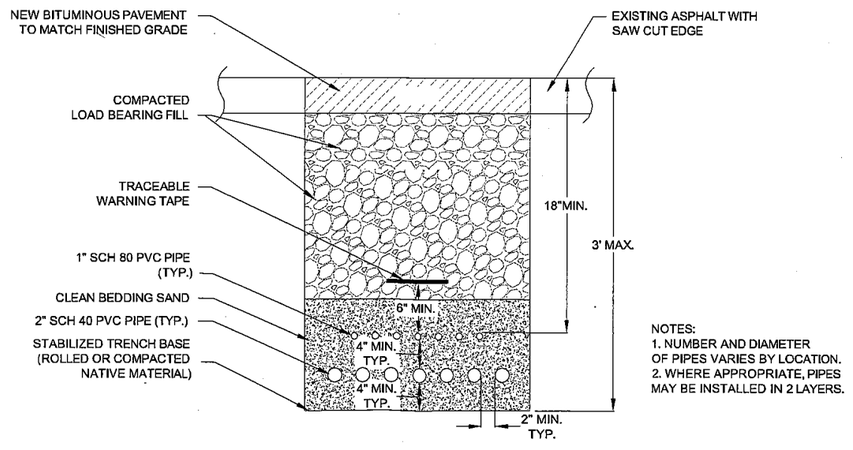
AIR SPARGE WELL HEAD DETAIL
NOT TO SCALE



SOIL VAPOR EXTRACTION WELL HEAD DETAIL
NOT TO SCALE



CONCRETE FOOTING DETAIL
NO SCALE



PIPING TRENCH CROSS SECTION (TYP.)
NOT TO SCALE

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FILE NAME:	113847JUNE15.dwg

ENCLOSURE, WELLHEAD & TRENCH DETAILS

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
3

PLOTTED: 08 Jun 2015, 10:13am, jlockwood
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SVE BLOWER:
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MAKE/MODEL = SUTORBILT 3M
FLOWRATE & VACUUM = 915CFM @ 106"WC (122ACFM)
DISCHARGE PRESSURE = 1.5PSIG
DISCHARGE TEMPERATURE = 164 F
HORSEPOWER & MOTOR TYPE = 7-1/2HP, TEFC CL I DIV 2
VARIABLE FREQUENCY DRIVE = YES (60-100%)
VOLTAGE & PHASE = 208V/3P
HOUR METER/AMP METER = YES/YES
HAND-OFF-AUTO = YES (PHYSICAL)
LOCAL DISCONNECT = NO

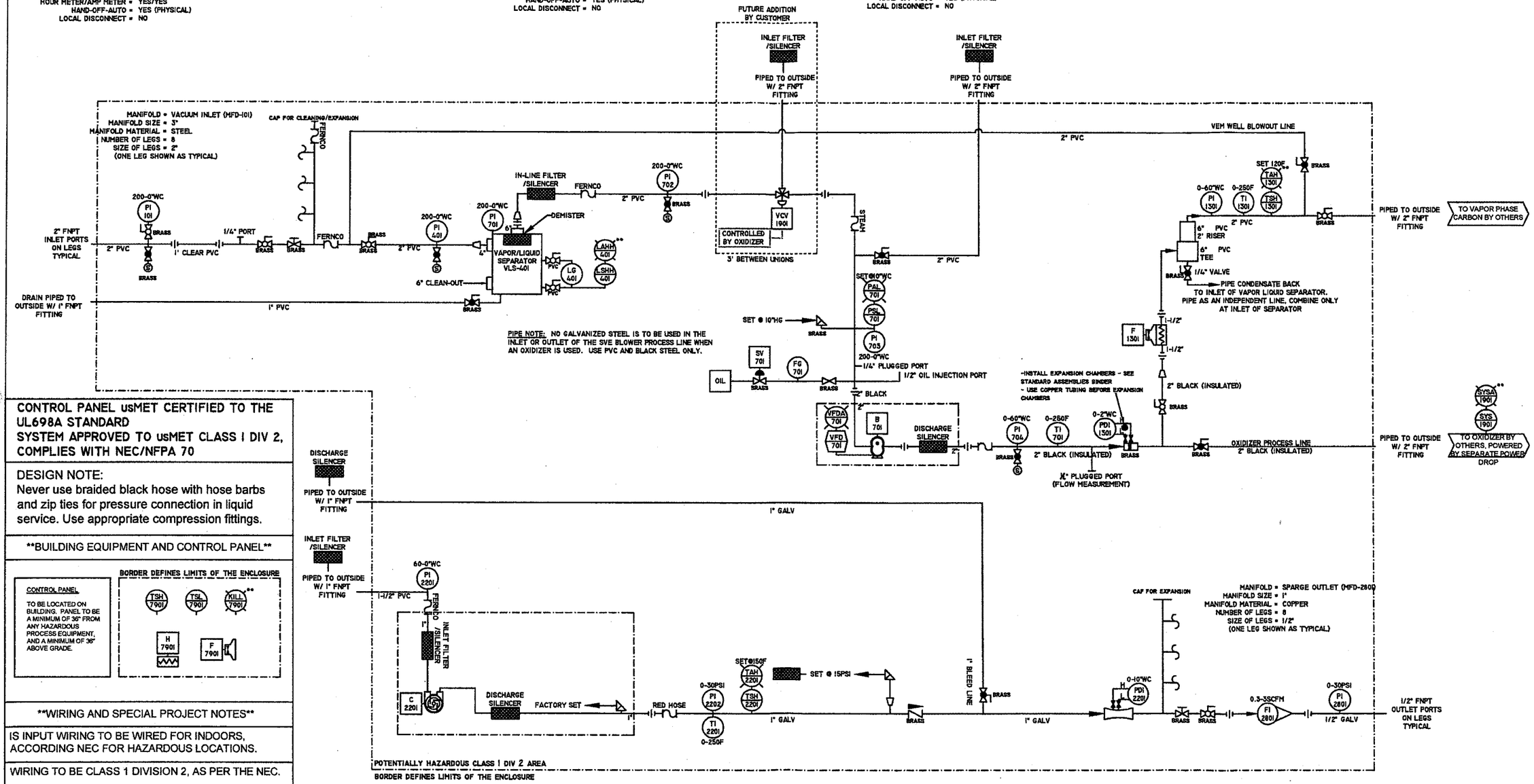
SOLENOID VALVE:
TAG = SV-701
MAKE/MODEL = ASCO (EF8262H22)
MAX PRESSURE = 90PSI OIL, NORMALLY CLOSED
TIMER = YES (MECHANICAL)
VOLTAGE & PHASE = 115V/1P
HAND-OFF-AUTO = YES (PHYSICAL)

SVE HEAT EXCHANGER:
TAG = F-1301
MAKE/MODEL = AIHT ACA-324I-3EXP
FLOWRATE & PRESSURE = 91 SCFM @ 1.5 PSI
DISCHARGE TEMPERATURE = 120 F
PRESSURE DROP = 0.5 PSI
HORSEPOWER & MOTOR TYPE = 1/3HP, EXP
VOLTAGE & PHASE = 208V/3P
HOUR METER/AMP METER = YES/YES
HAND-OFF-AUTO = YES (PHYSICAL)
LOCAL DISCONNECT = NO

SPARGE COMPRESSOR:
TAG = C-2201
MAKE/MODEL = RIETSHLE DTA60
FLOWRATE & PRESSURE = 35 SCFM @ 12 PSI
DISCHARGE TEMPERATURE = 145 F (@90F INLET)
HORSEPOWER & MOTOR TYPE = 5HP, TEFC CL I DIV 2
VARIABLE FREQUENCY DRIVE = NO
VOLTAGE & PHASE = 208V/3P
HOUR METER/AMP METER = YES/YES
HAND-OFF-AUTO = YES (PHYSICAL)
LOCAL DISCONNECT = NO

VENTILATION FAN:
TAG = F-7901
MAKE/MODEL = CANARM 18"
FLOWRATE & PRESSURE = 2,920 CFM @ 0.25"WC
HORSEPOWER & MOTOR TYPE = 1/3, EXP
VOLTAGE & PHASE = 120V/1P

ENCLOSURE HEATER:
TAG = H-7901
MAKE/MODEL = INDEECO 254
WATTS = 3600
VOLTAGE & PHASE = 208V/3P



CONTROL PANEL usMET CERTIFIED TO THE UL698A STANDARD
SYSTEM APPROVED TO usMET CLASS I DIV 2, COMPLIES WITH NEC/NFPA 70

DESIGN NOTE:
Never use braided black hose with hose barbs and zip ties for pressure connection in liquid service. Use appropriate compression fittings.

BUILDING EQUIPMENT AND CONTROL PANEL

BORDER DEFINES LIMITS OF THE ENCLOSURE

CONTROL PANEL
TO BE LOCATED ON BUILDING. PANEL TO BE A MINIMUM OF 36" FROM ANY HAZARDOUS PROCESS EQUIPMENT, AND A MINIMUM OF 36" ABOVE GRADE.

TSH 7901, TSL 7901, KILL 7901**, H 7901, F 7901

WIRING AND SPECIAL PROJECT NOTES

IS INPUT WIRING TO BE WIRED FOR INDOORS, ACCORDING NEC FOR HAZARDOUS LOCATIONS.

WIRING TO BE CLASS 1 DIVISION 2, AS PER THE NEC.

NOTES
PIPING DETAILS:
- WATER FLOW METERS: PROVIDE 10 DIA. OF STRAIGHT PIPE BEFORE AND 5 DIA. OF STRAIGHT PIPE AFTER METERS. ENSURE THAT THROTTLING VALVES ARE NOT DIRECTLY IN LINE WITH METERS.
- AIR FLOW METERS: PROVIDE 8 DIA. OF STRAIGHT PIPE BEFORE AND 3 DIA. OF STRAIGHT PIPE AFTER METERS, AVOID TEES AND ELBOWS BEFORE AND AFTER METERS.
- MATERIALS OF VALVES AND FITTINGS TO BE THE SAME AS THE DESCRIPTION AT THE LINE. IF THERE IS A TRANSITION FROM PVC TO STEEL, THE VALVE SHOULD BE BRASS.
- THERE ARE NO SPECIAL PIPING REQUIREMENTS OTHER THAN WHAT IS EXPLAINED ON THE DIAGRAM.
- WHEN PVC HOSE IS SPECIFIED, ALWAYS USE VACUUM HOSE; USE GREEN HOSE FOR PRESSURES LESS THAN 60PSI; USE TANK TRUCK HOSE FOR PRESSURES BETWEEN 60PSI AND 150PSI.
- PVC PIPE MAY BE SUBSTITUTED WITH EQUAL-SIZED PVC HOSE WHERE A FLEXIBLE CONNECTION IS PREFERRED
- DO NOT DRILL AND TAP HOLES IN PIPE WHEN PRESSURES ARE OVER 15 PSIG.

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A1	FOR APPROVAL - REVISED	02/02/15	JE
A	FOR APPROVAL	01/23/15	JE

PROJECT NUMBER 202258
TITLE AND LOCATION P&ID, 1000 Forest Drive, Annapolis, MD
CUSTOMER Figure 4
DRAWN BY JE | DATE 01/15 | SHEET 1 | SHEETS 2

VALVES AND PIPING

	NO	NC
BALL VALVE -		
GATE VALVE -		
GLOBE VALVE -		
NEEDLE VALVE -		
SLIDE VALVE -		
SOLENOID VALVE -		
BUTTERFLY VALVE -		
SWING CHECK VALVE -		
WAFER CHECK VALVE -		
SPRING CHECK VALVE -		
WYE STRAINER -		
SAMPLE PORT -		
PRESSURE RELIEF VALVE -		
VACUUM RELIEF VALVE -		
CAMLOCK CONNECTION -		
FLEXIBLE COUPLING -		
FLEXIBLE CONNECTION -		
FLANGED CONNECTION -		
REDUCER -		
UNION -		
ADSORBENT FILTER -	A TWIST DRAIN	A AUTO DRAIN
COALESCING FILTER -	TWIST DRAIN	AUTO DRAIN
PARTICULATE FILTER -	TWIST DRAIN	AUTO DRAIN
FILTER, SILENCER -		
PRESSURE REGULATOR -		
REGULATOR W/ FILTER -		
BANDED TRANSITION FITTING -		

EQUIPMENT

AIR STRIPPER

OIL/WATER SEPARATOR

VAPOR/LIQUID, SEAL FLUID SEPARATOR

BAG FILTER

CARBON VESSEL

PRODUCT STORAGE DRUM, TANK

OXIDIZER

CHEMICAL DRUM

STANDARD, CONICAL-BOTTOM TANK

VIBRATION ISOLATOR

EQUIPMENT

CENTRIFUGAL PUMP -

PROGRESSIVE-CAVITY PUMP -

CHEMICAL-INJECTION PUMP -

CENTRIFUGAL, REGENERATIVE BLOWER -

POSITIVE-DISPLACEMENT BLOWER -

ROTARY-CLAW BLOWER -

LIQUID-RING PUMP -

ROTARY-VANE COMPRESSOR -

RECIPROCATING COMPRESSOR -

HEAT EXCHANGER -

PASSIVE COOLING FINS -

MOTOR DRIVEN FAN - F

EQUIPMENT

AS - AIR STRIPPER
BLD - BUILDING, TRAILER OR SKID
FLT - FILTER VESSEL
LPC - LIQUID-PHASE CARBON VESSEL
MFD - MANIFOLD
OWS - OIL/WATER SEPARATOR
OX - OXIDIZER
PST - PRODUCT STORAGE TANK
SOS - SEAL OIL SEPARATOR
SWS - SEAL WATER SEPARATOR
TNK - TANK
VLS - VAPOR/LIQUID SEPARATOR
VPC - VAPOR-PHASE CARBON VESSEL

FLOW MEASUREMENT

AVERAGING PITOT TUBE - RANGE H PDI 101

VENTURI - RANGE H PDI 101

ROTOMETER - RANGE FI 101

WATER FLOW METER - FQI 101

INSTRUMENT DESIGNATION

	INPUT	1ST MODIFIER	2ND MODIFIER	3RD MODIFIER	OUTPUT	1ST MODIFIER	
A			ALARM				A
B						BLOWER	B
C	CYCLE					COMPRESSOR	C
D		DIFFERENTIAL				AIR DRYER	D
E							E
F	FLOW					FAN	F
G	GAS (LEL)		GAUGE				G
H				HIGH	HAND	HEATER	H
I	CURRENT		INDICATOR				I
J							J
K							K
L	LEVEL			LOW			L
M					MOTORIZED		M
N							N
O							O
P	PRESSURE				PNEUMATIC	PUMP	P
Q		QUANTITY					Q
R							R
S	SPEED		SWITCH		SOLENOID		S
T	TEMPERATURE		TRANSMITTER				T
U							U
V						VALVE	V
W							W
X							X
Y							Y
Z	POSITION						Z

INSTRUMENT IDENTIFICATION

- INDICATING INSTRUMENT
- DIGITAL INPUT TO CONTROL PANEL
- DIGITAL INPUT CAUSING ALARM
- ** DIGITAL INPUT CAUSING SYSTEM SHUTDOWN ALARM
- ANALOG INPUT TO CONTROL PANEL
- ANALOG OUTPUT FROM CONTROL PANEL

EXAMPLE

30"WC PSH 701

- SETPOINT OF INSTRUMENT
- INSTRUMENT DESIGNATION (PRESSURE SWITCH HIGH; SEE TABLE ABOVE)
- INSTRUMENT TYPE
- SYSTEM POSITION NUMBER (SOIL-VAPOR EXTRACTION; SEE DESCRIPTION ABOVE)

SYSTEM POSITION DESIGNATION

100 - VACUUM INLET MANIFOLD
300 - INLET HEAT EXCHANGER
400 - VAPOR/LIQUID SEPARATOR
500 - VAPOR/LIQUID SEPARATOR - 2
700 - SOIL-VAPOR EXTRACTION
1000 - LIQUID-RING PUMP
1300 - SVE HEAT EXCHANGER
1600 - VAPOR-PHASE CARBON
1900 - OXIDIZER
2200 - AIR SPARGE
2500 - SPARGE HEAT EXCHANGER
2800 - SPARGE OUTLET MANIFOLD
3100 - AIR COMPRESSOR
3400 - COMPRESSED-AIR OUTLET MANIFOLD
3700 - PNEUMATIC WELL PUMPS
4000 - SUBMERSIBLE WELL PUMPS
4300 - SURFACE-MOUNT WELL PUMPS
4600 - GROUNDWATER INLET MANIFOLD
4900 - OIL/WATER SEPARATOR
5200 - PRODUCT STORAGE TANK
5500 - INLET TANK
5800 - UPSTREAM BAG FILTER
6100 - CHEMICAL INJECTION
6400 - AIR STRIPPER
6700 - PRE-CARBON BAG FILTER
7000 - LIQUID-PHASE CARBON
7100 - PRE-MEDIA BAG FILTER
7200 - ACTIVATED ALUMINA
7500 - DISCHARGE TANK
7400 - POST-TREATMENT BAG FILTER
7600 - REINJECTION
7900 - BUILDING,TRAILER OR SKID
8200 - CONTROL PANEL
8500 - ELECTRICAL PARTS
9900 - EXTRAS

NOTES

PIPING DETAILS:
- WATER FLOW METERS: PROVIDE 10 DIA. OF STRAIGHT PIPE BEFORE AND 5 DIA. OF STRAIGHT PIPE AFTER METERS. ENSURE THAT THROTTLING VALVES ARE NOT DIRECTLY IN LINE WITH METERS.
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PROJECT NUMBER 202258

TITLE AND LOCATION
P&ID
1000 Forest Drive, Annapolis, MD

CUSTOMER
Figure 5

DRAWN BY JE | DATE 01/15 | SHEET 2 | SHEETS 2

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** CIVIL CONSTRUCTION NOTES **

- ATTACH PLYWOOD WITH SCREWS EVERY 6" ON EDGES, 12" ELSEWHERE.
- 1" SOUND ATTENUATING INSULATION ON WALLS AND CEILING.
- INSTALL GRATING BETWEEN BUILDING FANS AND OUTSIDE LOUVERS.
- THERMAL INSULATION ON WALLS AND CEILING.
- SPRAY FOAM INSULATION BELOW SKID BASE.
- HEAT EXCHANGER DIMENSION IS 24"x24"
- EXTERIOR VINYL SIDING: WHITE

**MECH./ELECT. ASS'Y NOTES **

- LOCATE COOLING THERMOSTAT IN THE WARMEST LOCATION AT CEILING LEVEL.
- LOCATE HEATING THERMOSTAT AT FLOOR LEVEL.
- MAXIMUM WIDTH FOR SHIPPING IS 102". THIS INCLUDES ALL CONNECTIONS THAT PROTRUDE THROUGH THE SIDES OF THE ENCLOSURE.
- DO NOT USE GREEN HOSE ON SPARGE LINES.

*** COMMISSIONING NOTES ***

- FAN AND LOUVER HOODS NEED TO BE INSTALLED ON SITE. CANNOT SHIP WITH HOODS ATTACHED.
- SOME FLOW METERS SUCH AS RMC METERS WILL BE SHIPPED WITH THE UNIONS IN THE PROCESS PIPING LOOSENED TO ENSURE METERS ARE NOT DAMAGED DURING SHIPMENT.
- BUILDINGS MAY NEED TO BE SHIMMED ON SITE TO ALLOW DOORS TO OPEN FREELY. PLEASE HAVE SHIMMING MATERIAL READY DURING BUILDING INSTALLATION.
- NEWTERRA RECOMMENDS PAD BE AT LEAST 12" LARGER THAN ENCLOSURE IN ALL DIRECTIONS. LOCAL CODES MAY REQUIRE ALTERNATE DIMENSIONS.

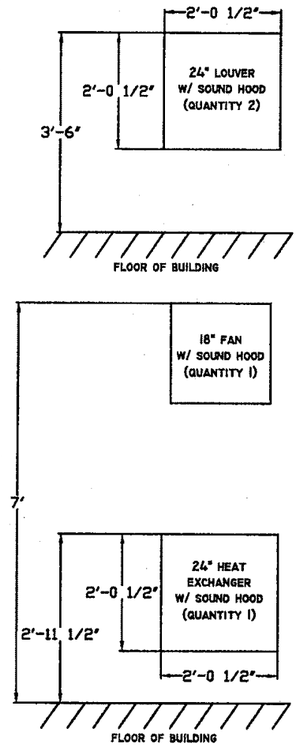
** LABELS TO BE INSTALLED **

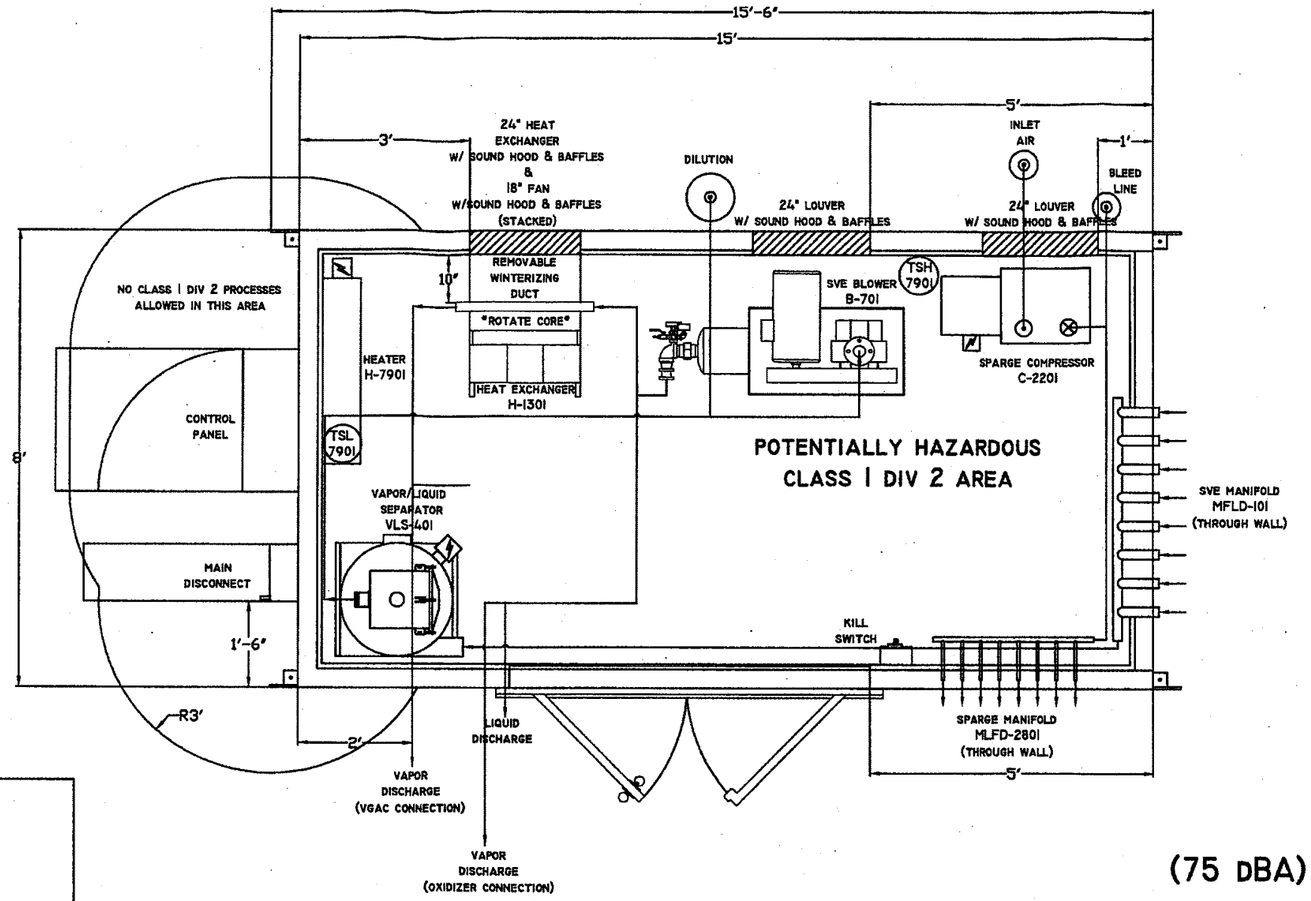
NEWTERRA STANDARD SYSTEM LABELS

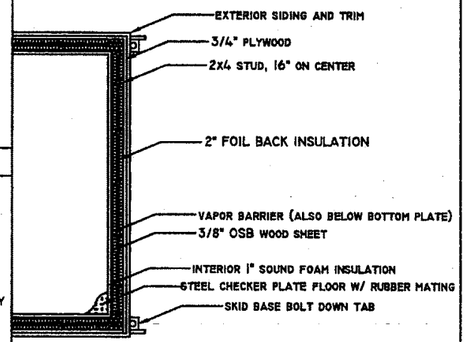
- FLOW DIRECTION LABELS
- AIR LINE LABELS
- WATER LINE LABELS
- AIR/WATER LINE LABELS
- HOT SURFACE LABEL (LINES >= 140 DEGF)
- HEARING PROTECTION LABELS
- WARNING LABEL: THIS MACHINE IS AUTOMATICALLY CONTROLLED
- ARC FLASH WARNING LABEL

*** DIMENSION INFORMATION ***

DESCRIPTION	DIM (L X W X H)
WOOD FRAME BUILDING	16'LX8'WX8'6"H







ENCLOSURE WALL PLAN:

(75 dBA)
(NOT GUARENTEED)

(75 dBA)
(NOT GUARENTEED)

(75 dBA)
(NOT GUARENTEED)

(75 dBA)
(NOT GUARENTEED)

FLOW DIRECTION

ELECTRICAL CONNECTION

FLOW INTO THE PAGE

FLOW OUT OF THE PAGE

THIS AREA REPRESENTS SERVICE SPACE REQUIRED

CONTROL PANEL USMET CERTIFIED TO THE UL698A STANDARD.
SYSTEM APPROVED TO USMET CLASS I DIV 2, COMPLIES WITH NEC/NFPA 70.

NOTES

System Weight:
newterra can provide upon request an estimated weight of the system. Although every effort is made to ensure this estimate is representative of the final system weight, newterra cannot guarantee this weight and it is the responsibility of the client to ensure adequately sized equipment is utilized for offloading and final placement of the system. A final system weight will be available at time of loading at newterra and will be provided at time of shipment.

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A	FOR APPROVAL	01/23/15	JE

PROJECT NUMBER 202258

TITLE AND LOCATION
SYSTEM LAYOUT
1000 FOREST DRIVE, ANNAPOLIS, MD

CUSTOMER
Figure 6

DRAWN BY	DATE	SHEET	SHEETS
JE	01/15	1	1

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** CIVIL CONSTRUCTION NOTES **

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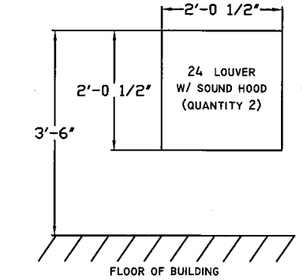
** LABELS TO BE INSTALLED **

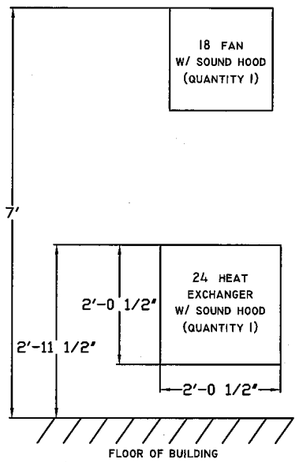
NEWTERRA STANDARD SYSTEM LABELS

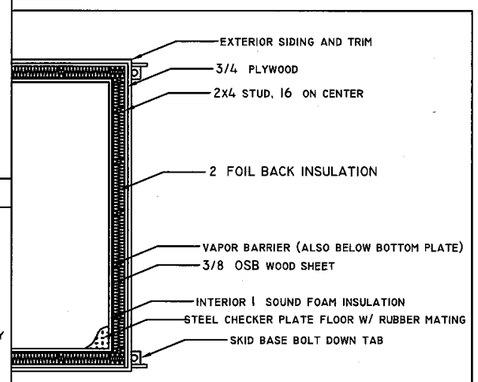
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- ARC FLASH WARNING LABEL

*** DIMENSION INFORMATION ***

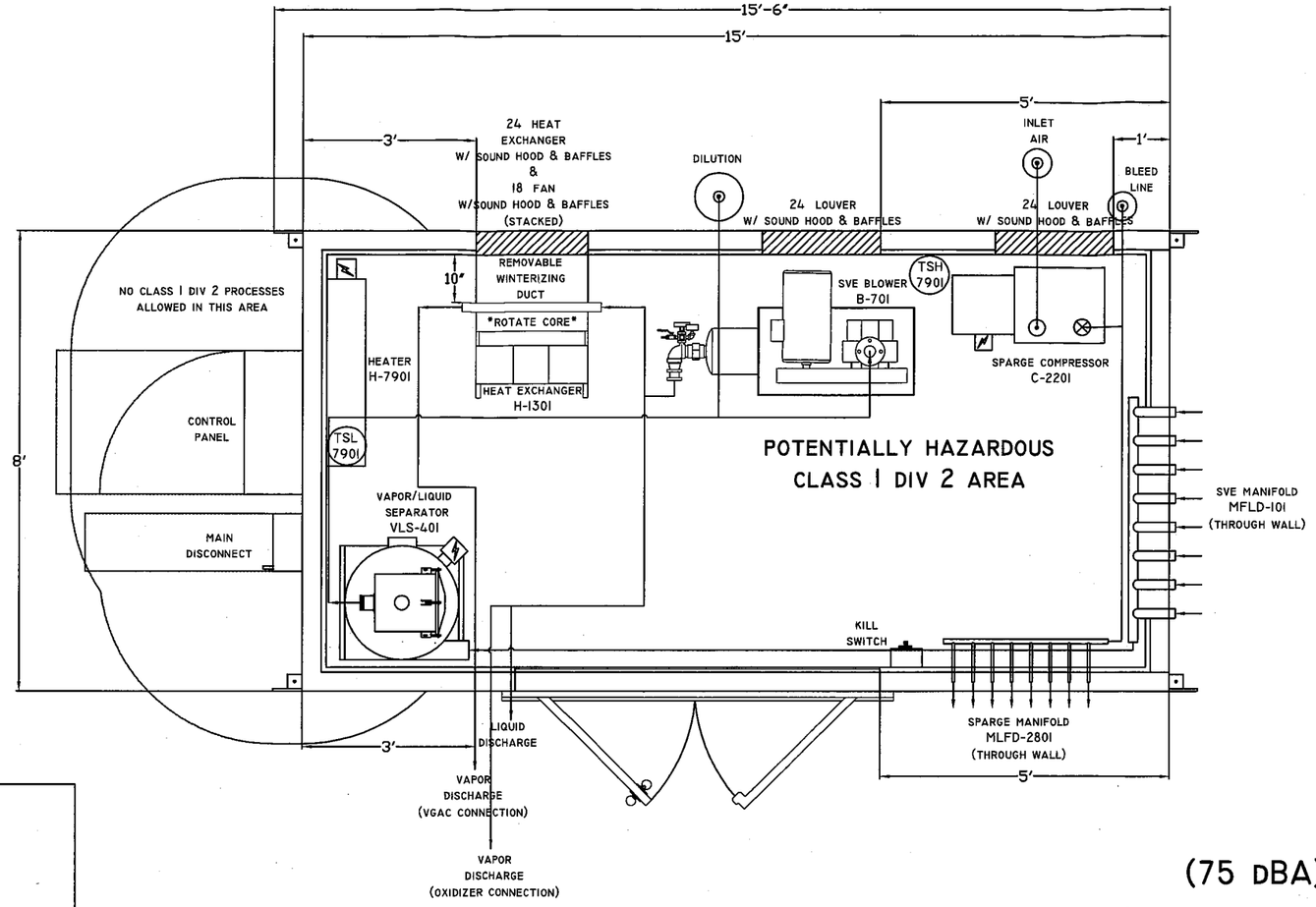
DESCRIPTION	DIM (L X W X H)
WOOD FRAME BUILDING	16'Lx8'Wx8'6 H

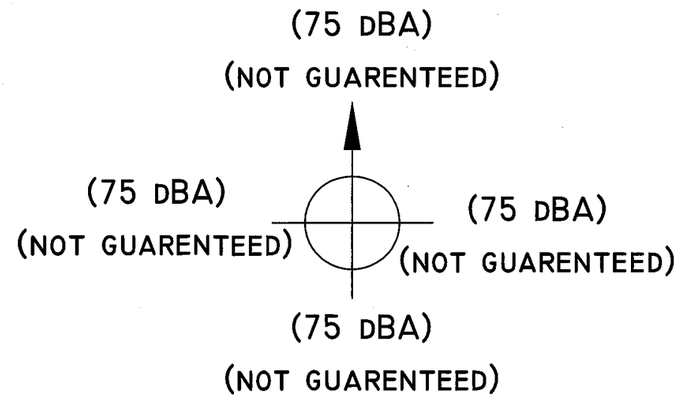






ENCLOSURE WALL PLAN:





FLOW DIRECTION

ELECTRICAL CONNECTION

FLOW INTO THE PAGE

FLOW OUT OF THE PAGE

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PROJECT NUMBER: 202258

CUSTOMER: KLEINFELDER

TITLE AND LOCATION: SYSTEM LAYOUT
1000 FOREST DRIVE, ANNAPOLIS, MD

DRAWN BY: JE | DATE: 01/15 | SHEET: 1 | SHEETS: 1

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KLEINFELDER
Bright People. Right Solutions.

TABLE

TABLE 1

Soil Analytical Data
Former Southside Facility #27235
1000 Forest Drive
Annapolis, MD

July 24, 2009 through April 15, 2015

Sample ID	Date	Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Methyl Tertiary Butyl Ether (mg/kg)	Naphthalene (mg/kg)	Di-Isopropyl ether (mg/kg)	ETBE (mg/kg)	tert-Amyl Methyl Ether (mg/kg)	Tert-butyl Alcohol (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
MDE Non-Residential Soil Standards			**52**	**8,200**	**10,000**	**20,000**	**720**	**2,000**	**~**	**~**	**~**	**~**	**620**	**620**
MW-1 (52-54)	8/4/2009	52-54	ND (0.00281)	ND (0.00281)	ND (0.00281)	ND (0.00702)	ND (0.00281)	NA	NA	NA	NA	NA	ND (5.38)	6.31
MW-2 (44-46)	8/10/2009	44-46	0.00201	0.0391	0.0221	0.196	ND (0.00177)	NA	NA	NA	NA	NA	ND (4.89)	ND (5.56)
MW-3 (6-6.5)	7/24/2009	6-6.5	0.452	5.44	2.98	14.5	0.00358	1.38	NA	NA	NA	NA	335	356
MW-3 (14-16)	8/12/2009	14-16	53.9	337	69.9	318	ND (0.259)	NA	NA	NA	NA	NA	3,270	824
MW-4 (5-7)	8/12/2011	5-7	0.00998	0.0241	0.00418	0.0205	ND (0.0232)	NA	NA	NA	NA	NA	ND (5.95)	76.8
MW-5 (7-9)	8/13/2009	7-9	ND (0.00247)	ND (0.00247)	ND (0.00247)	ND (0.00616)	0.00365	NA	NA	NA	NA	NA	ND (8.40)	ND(5.31)
MW-6 (7)	8/21/2009	7	ND (0.00187)	ND (0.00187)	ND (0.00187)	0.00731	ND (0.00187)	NA	NA	NA	NA	NA	ND (4.88)	ND (5.99)
MW-7 (10-12)	5/14/2012	10-12	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.005)	ND(0.095)	ND(0.8)	ND(15)
MW-8(14-15)	5/7/2012	14-15	1.0	6.1	1.8	8.9	ND(0.25)	0.34	0.31	ND(0.25)	ND(0.25)	ND(5.0)	75	24
MW-9(12-14)	5/9/2012	12-14	ND(0.23)	0.55	0.82	3.9	ND(0.23)	0.53	ND(0.23)	ND(0.23)	ND(0.23)	ND(4.6)	60	87
SB-1(10-12)	6/2/2011	10-12	6.9	360	150	960	ND(0.94)	39	ND(0.94)	ND(0.94)	ND(0.94)	ND(19)	3,800	440
SB-1(18-20)	6/2/2011	18-20	ND(0.22)	1.4	0.32	1.8	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(0.22)	ND(4.4)	44	27
SB-1(20-22)	6/2/2011	20-22	ND(0.32)	2.6	0.37	2.2	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(0.32)	ND(6.3)	14	380
SB-2(18-20)	6/3/2011	18-20	ND(0.43)	1.6	21	250	ND(0.43)	18	ND(0.43)	ND(0.43)	ND(0.43)	ND(8.6)	1,700	ND(16)
SB-3(13-15)	6/3/2011	13-15	2.7	200	120	650	ND(0.87)	25	ND(0.87)	ND(0.87)	ND(0.87)	ND(17)	3,400	550
SB-3(18-20)	6/3/2011	18-20	10	34	5.6	29	ND(0.48)	1.3	ND(0.48)	ND(0.48)	ND(0.48)	ND(9.7)	650	73
SB-4(8-10)	6/2/2011	8-10	1.9	74	38	210	ND(0.22)	16	ND(0.22)	ND(0.22)	ND(0.22)	ND(4.4)	690	ND (15)
SB-4(18-20)	6/2/2011	18-20	0.19	0.97	0.055	0.24	0.013	ND(0.005)	0.011	ND(0.005)	ND(0.005)	0.28	ND(9.0)	200
SB-5(7-8)	6/2/2011	7-8	2.1	5.7	0.82	4.0	ND(0.24)	ND(0.24)	1.7	ND(0.24)	ND(0.24)	ND(4.9)	43	ND(15)
SB-5(18-20)	6/2/2011	18-20	140	1,100	250	1,300	ND(9.4)	50	38	ND(9.4)	ND(9.4)	ND(190)	13,000	1,000
SB-5(27-28.5)	6/2/2011	27-28.5	0.64	1.7	ND(0.25)	0.70	ND(0.25)	ND(0.25)	1.4	ND(0.25)	ND(0.25)	ND(5.1)	11	ND(15)
SB-6(5-6)	6/2/2011	5-6	85	1,100	290	1,500	ND(1.0)	48	23	ND(1.0)	ND(1.0)	ND(20)	8,400	1,200
SB-6(13-15)	6/2/2011	13-15	71	400	95	490	ND(0.87)	17	29	ND(0.87)	ND(0.87)	ND(17)	3,600	420
SB-8(5-7)	5/7/2012	5-7	22	460	170	820	ND(0.52)	30	7.4	ND(0.52)	ND(0.52)	ND(10)	2,100	75
SB-8(7-9)	5/7/2012	7-9	2.2	8.4	1.7	8.3	ND(0.25)	0.64	6.6	ND(0.25)	ND(0.25)	6.9	390	ND(14)
SB-9(9-10)	5/7/2012	9-10	1.6	11	8.2	46	ND(0.23)	2.8	0.76	ND(0.23)	ND(0.23)	ND(4.5)	140	350
SB-10(7-9)	5/7/2012	7-9	25	200	58	300	ND(0.99)	12	10	ND(0.99)	ND(0.99)	ND(20)	1,900	170
SB-11(7-9)	5/7/2012	7-9	5.7	51	18	95	ND(0.51)	5.5	1.2	ND(0.51)	ND(0.51)	ND(10)	370	260
SB-11(9-10)	5/7/2012	9-10	7.3	83	35	170	ND(1.0)	7.8	2.9	ND(1.0)	ND(1.0)	ND(21)	2,900	200
SB-12(5-7)	5/7/2012	5-7	29	570	350	1,700	ND(2.9)	58	3.9	ND(2.9)	ND(2.9)	ND(57)	4,400	2,700
SB-12(7-9)	5/7/2012	7-9	1.1	5.1	1.3	6.5	ND(0.24)	0.62	0.91	ND(0.24)	ND(0.24)	ND(4.8)	34	ND(14)
SB-13(7-9)	5/7/2012	7-9	1.1	2.3	4.5	21	ND(0.29)	1.6	ND(0.29)	ND(0.29)	ND(0.29)	ND(5.7)	130	22
VE-1(9-10)	5/7/2012	9-10	7.3	100	44	240	ND(0.85)	13	8.2	ND(0.85)	ND(0.85)	ND(17)	2,000	95
VE-7(14-15)	1/14/2014	14-15	1.8	34	24	120	ND(0.54)	7.9	ND(0.54)	ND(0.54)	ND(0.54)	ND(11)	2,200	490
SP-4(9-10)	1/14/2014	9-10	1.4	11	7.7	39	ND(0.28)	4.1	1.1	ND(0.28)	ND(0.28)	ND(5.5)	480	57
SP-5(9-10)	1/14/2014	9-10	1.2	16	7.8	40	ND(0.29)	2.0	1.1	ND(0.29)	ND(0.29)	ND(5.8)	720	23
VE-5(7-9)	1/15/2014	7-9	2.5	51	49	220	ND(0.23)	9.0	ND(0.23)	ND(0.23)	ND(0.23)	ND(4.7)	1,100	110
VE-6(14-15)	1/15/2014	14-15	6.7	55	19	100	ND(0.24)	4.9	1.5	ND(0.24)	ND(0.24)	ND(4.9)	1,100	68

TABLE 1

Soil Analytical Data
Former Southside Facility #27235
1000 Forest Drive
Annapolis, MD

July 24, 2009 through April 15, 2015

Sample ID	Date	Depth (feet)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Total Xylenes (mg/kg)	Methyl Tertiary Butyl Ether (mg/kg)	Naphthalene (mg/kg)	Di-Isopropyl ether (mg/kg)	ETBE (mg/kg)	tert-Amyl Methyl Ether (mg/kg)	Tert-butyl Alcohol (mg/kg)	TPH-GRO (mg/kg)	TPH-DRO (mg/kg)
MDE Non-Residential Soil Standards			**52**	**8,200**	**10,000**	**20,000**	**720**	**2,000**	**~**	**~**	**~**	**~**	**620**	**620**
RE-Bottom-1(11.5)	4/15/2015	11.5	50	550	130	630	ND(2.2)	19	8.0	ND(2.2)	ND(2.2)	ND(44)	3,500	390
RE-NSW-1(9)	4/15/2015	9	0.47	2.8	2.1	9.1	ND(0.22)	0.72	0.24	ND(0.22)	ND(0.22)	ND(4.5)	42	39
RE-Bottom-2(11)	4/15/2015	11	21	250	83	410	ND(2.6)	18	12	ND(2.6)	ND(2.6)	ND(52)	2,800	410
RE-WSW-1(10)	4/15/2015	10	76	1,200	290	1,500	ND(5.6)	42	13	ND(5.6)	ND(5.6)	ND(110)	13,000	1,800
RE-SSE-1(9)	4/15/2015	9	39	550	150	760	ND(3.2)	26	11	ND(3.2)	ND(3.2)	ND(64)	6,800	320
RE-NSW-2(9)	4/15/2015	9	1.7	4.3	0.91	4.6	ND(0.23)	0.55	3.70	ND(0.23)	ND(0.23)	ND(4.7)	52	ND(14)
RE-Bottom-3(11)	4/15/2015	11	0.57	3.4	0.95	4.4	ND(0.22)	0.35	0.51	ND(0.22)	ND(0.22)	ND(4.5)	150	240
RE-ESW-1(9)	4/15/2015	9	2.2	4.7	0.32	1.6	ND(0.24)	ND(0.24)	3.6	ND(0.24)	ND(0.24)	ND(4.8)	21	ND(14)
RE-SSE-2(9)	4/15/2015	9	13	180	62	310	ND(0.50)	13	3.1	ND(0.50)	ND(0.50)	ND(9.9)	2,000	110

Notes:
BRL - Below laboratory reporting limits
BTEX - Benzene, toluene, ethylbenzene, and total xylenes
mg/kg - milligrams per kilogram (parts per million)
NA - Not analyzed
ND(0.0011) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included
ETBE - Ethyl Tertiary Butyl Ether
TPH - Total Petroleum Hydrocarbons
GRO - Gasoline Range Organics
DRO - Diesel Range Organics
Concentration detected above the MDE Non-Residential Soil Standard
Soil sample excavated and removed on April 15, 2015

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APPENDIX A

MDE Correspondence

MDE

MARYLAND DEPARTMENT OF THE ENVIRONMENT

Oil Control Program, Suite 620, 1800 Washington Blvd., Baltimore MD 21230-1719
410-537-3442 410-537-3092 (fax) 1-800-633-6101, ext. 3442

Martin O'Malley
Governor

Anthony G. Brown
Lieutenant Governor

Robert M. Summers, Ph.D.
Acting Secretary

April 22, 2013

Ms. Jewel Cox
ExxonMobil Environmental Services
Suite 106 #232
1016 West Poplar Avenue
Collierville TN 38017

RE: APPROVAL OF CORRECTIVE ACTION PLAN ADDENDUM
Case No. 2011-0065-AA
Former Exxon/Southside Facility #27235
1000 Forest Drive, Annapolis
Anne Arundel County, Maryland
Facility I.D. 3571

Dear Ms. Cox:

The Oil Control Program (OCP) recently completed a review of the *Corrective Action Plan Addendum (CAPA) - March 4, 2013* for the above-referenced property. In October 2012, the Department approved a previous *CAP*, including proposals for remedial soil excavation, installation of a soil vapor extraction (SVE) system, and monitored natural attenuation. In December 2012, the required deep well (MW-10) was installed and the Department approved the *Post-Excavation Sampling Plan.*

The *CAPA* includes a proposal to install an air sparge (AS) system to work in conjunction with the SVE system. A total of seven SVE and seven AS wells will be installed. The Department hereby approves the *CAPA* for immediate implementation contingent upon the following modifications:

1) **No later than May 1, 2013**, submit a new schedule for the completion of all CAPA work.

2) MDE-OCP must be on-site for system startup. Notify the case manager at least 72 hours prior to system startup. Two recovery system keys and an operations and maintenance (O&M) schedule must be provided at that time.

3) The Department must be notified in writing of system shutdown for periods of 24 hours or more and include a time frame for system startup. Written notice of system startup must also be submitted. Email is an acceptable form of notification.

4) A written request to cease operation of the SVE system and begin post-remediation monitoring must be submitted for the Department's written approval, prior to shutdown of the remediation system for post-remedial monitoring.

5) Operating without a permit or in violation of a permit or law may result in the assessment of civil or administrative penalties.

When submitting documentation to the Oil Control Program, provide three (3) hard copies and a digital copy on a labeled compact disc (CD) to the attention of the case manager at the above letterhead address. If you have any questions, please contact the case manager, Mr. Michael Edillon, at 410-537-4151 (email: medillon@mde.state.md.us) or me at 410-537-3482 (email: ejackson@mde.state.md.us).

Sincerely,

Ellen Jackson, Central Region Section Head
Remediation and State Lead Division
Oil Control Program

MGE/nln

cc: Ms. Casey Majewski (Kleinfelder)
Mr. Marshal Hare (Southside Oil Co.)
Mr. Naushad Ali Akhund (Property Owner/Operator)
Ms. Kerry Topovski (Anne Arundel County Health Dept.)
Ms. Ginger D. Klingelhoefer-Ellis (Anne Arundel County DPW)
Mr. Andrew B. Miller
Mr. Christopher H. Ralston
Mr. Horacio Tablada

RECEIVED
APR 24 2013
BY:.....

MARYLAND DEPARTMENT OF THE ENVIRONMENT

1800 Washington Boulevard, Suite 620 • Baltimore Maryland 21230-1719
(410) 537-3442 • 1-800-633-6101 • http://www.mde.maryland.gov
LAND MANAGEMENT ADMINISTRATION
Oil Control Program

Report of Observations

Type of Inspection/Observations: Soil Excavation Inspectio	**Date:** 4/15/15
Site/Facility Name: Forest Drive Exxon Station	**Facility ID #:** 33571
Address: 1000 Forest Drive	**Case #:** 11-0065-AA
City / County: Annapolis / AA	**Permit #:** Permits thru AACo

Remarks:
This writer arrived on-site and met with Tim Boswell (Kleinfelder) to inspect the soil excavation on the north side of the property by Forest Drive. Odyssey Environmental was conducting the site work and excavated down to approximately 12-feet below surface grade. Strong weathered petroleum vapors were detected from the excavation and this writer observed soil staining within the excavation. Kleinfelder stated that they had found some in-use product lines in their planned area of excavation toward the station shop/building. As a result, the excavation was limited on the south side and deviates slightly from the Post-Excavation Sampling Plan. Photoionization detector readings (PID) from the bottom of the excavation were approx. 700-800 metered units (m.u.) and they approx. 2-feet deeper than the proposed scope of work. PID readings from shallower zones were approx. 1000-1300 m.u. in some locations and these soils were removed. Soils are being loaded onto trucks for delivery to Clean Earth for disposal. This writer and Kleinfleder discussed soil sampling locations and they plan to collect three bottom samples and six sidewall samples prior to backfilling.

SVE/sparge system installation plans were also discussed. Currently, Odyssey is conducting the trenching work for the remediation system piping and the piping will be installed over the next week or so. The remaining 5 system wells will be installed beginning 4/20/15 ~~and all permits have been provided by Anne Arundel County~~.

Requirements:

1. Soil samples must be analyzed for full suite volatile organic compounds (VOCs) including fuel oxygentates and naphthalene by EPA Method 8260 and for total petroleum hydrocarbon – diesel and gasoline range organics (TPH-DRO and TPH-GRO) by EPA Method 8015.

2. Contact this writer to schedule a system start-up meeting at least 5 days prior to start-up.

3. A soil excavation Report of Results is due no later than June 23, 2015 and must include: a description of the work conducted, a site map showing the soil excavation, soil sample locations, and pertinent environmental features (e.g. product piping, well locations, etc.); soil results data tables; laboratory analytical reports; soil disposal documentation, etc.

Revised: 9/22/2014

MDE/LMA/OCP
Report of Observation

NOTES

- Report the following conditions to the Department immediately, but not later than 2 hours after the detection, at **410-537-3442** during normal business hours, or to the Emergency Response Division hotline at **1-866-633-4686**:
  - An oil spill or discharge
  - If a storage system fails a test for tightness,
  - A storage system is determined to be leaking,
  - There exists evidence of a discharge
  - Two consecutive inconclusive tests
  - Presence of liquid phase hydrocarbons
- Reports should **not** be made via voice messages to OCP case managers.
- Operating without a permit or in violation of a permit, regulation, or law may result in the assessment of civil or administrative penalties and or other legal sanctions.

MDE Representative: Michael Edillon 443-452-0415	**Person Interviewed:** Tim Boswell (Kleinfelder)
Signature: Michael Edillon 4/16/15	**Signature:**
MDE Representative:	**Person Interviewed:**
Signature:	**Signature:**

Revised: 9/22/2014

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APPENDIX B

Photographic Documentation

KLEINFELDER
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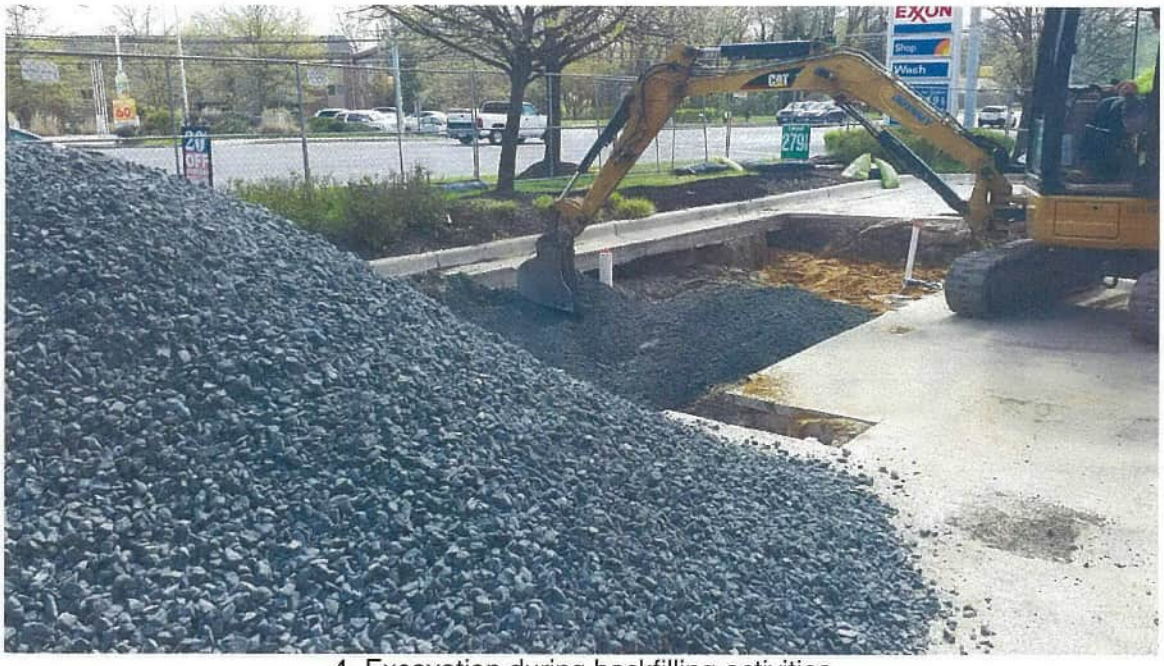
1. North side wall of excavation area



2. South side wall of excavation area



3. Excavation area during backfilling activities



4. Excavation during backfilling activities



5. Subsurface AS piping



6. Installation of remediation well in excavation area



7. Subsurface SVE piping



8. Offloading of remediation system container



9. Paved excavation and trenching area

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APPENDIX C

Lancaster Laboratories Analytical Report – Soil

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

April 28, 2015

Project: Southside Oil 27235

Submittal Date: 04/16/2015
Group Number: 1553916
PO Number: 51141-301668
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
RE-Bottom-1(11.5') Grab Soil	7850306
RE-NSW-1(9') Grab Soil	7850307
RE-Bottom-2(11') Grab Soil	7850308
RE-WSW-1(10') Grab Soil	7850309
RE-SSE-1(9') Grab Soil	7850310
RE-NSW-2(9') Grab Soil	7850311
RE-Bottom-3(11') Grab Soil	7850312
RE-ESW-1(9') Grab Soil	7850313
RE-SSE-2(9') Grab Soil	7850314

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Regulatory agencies do not accredit laboratories for all methods, analytes, and matrices. Our scopes of accreditation can be viewed at http://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/resources/certifications/ .

ELECTRONIC COPY TO	Kleinfelder	Attn: Mark Steele
ELECTRONIC COPY TO	Kleinfelder	Attn: Venelda Williams
ELECTRONIC COPY TO	Kleinfelder	Attn: Jennifer Kozak

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

Sample Description: RE-Bottom-1(11.5') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850306
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 08:40 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

REBT1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 8.9	8.9	381.1
10237	Acrolein	107-02-8	< 44	44	381.1
10237	Acrylonitrile	107-13-1	< 8.9	8.9	381.1
10237	t-Amyl methyl ether	994-05-8	< 2.2	2.2	381.1
10237	**Benzene**	71-43-2	**50**	2.2	381.1
10237	Bromodichloromethane	75-27-4	< 2.2	2.2	381.1
10237	Bromoform	75-25-2	< 2.2	2.2	381.1
10237	Bromomethane	74-83-9	< 2.2	2.2	381.1
10237	2-Butanone	78-93-3	< 4.4	4.4	381.1
10237	t-Butyl alcohol	75-65-0	< 44	44	381.1
10237	**n-Butylbenzene**	104-51-8	**8.4**	2.2	381.1
10237	**sec-Butylbenzene**	135-98-8	**3.3**	2.2	381.1
10237	Carbon Tetrachloride	56-23-5	< 2.2	2.2	381.1
10237	Chlorobenzene	108-90-7	< 2.2	2.2	381.1
10237	Chloroethane	75-00-3	< 2.2	2.2	381.1
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 4.4	4.4	381.1
10237	Chloroform	67-66-3	< 2.2	2.2	381.1
10237	Chloromethane	74-87-3	< 2.2	2.2	381.1
10237	Dibromochloromethane	124-48-1	< 2.2	2.2	381.1
10237	1,2-Dibromoethane	106-93-4	< 2.2	2.2	381.1
10237	1,2-Dichlorobenzene	95-50-1	< 2.2	2.2	381.1
10237	1,3-Dichlorobenzene	541-73-1	< 2.2	2.2	381.1
10237	1,4-Dichlorobenzene	106-46-7	< 2.2	2.2	381.1
10237	1,1-Dichloroethane	75-34-3	< 2.2	2.2	381.1
10237	1,2-Dichloroethane	107-06-2	< 2.2	2.2	381.1
10237	1,1-Dichloroethene	75-35-4	< 2.2	2.2	381.1
10237	cis-1,2-Dichloroethene	156-59-2	< 2.2	2.2	381.1
10237	trans-1,2-Dichloroethene	156-60-5	< 2.2	2.2	381.1
10237	1,2-Dichloropropane	78-87-5	< 2.2	2.2	381.1
10237	cis-1,3-Dichloropropene	10061-01-5	< 2.2	2.2	381.1
10237	trans-1,3-Dichloropropene	10061-02-6	< 2.2	2.2	381.1
10237	Ethyl t-butyl ether	637-92-3	< 2.2	2.2	381.1
10237	**Ethylbenzene**	100-41-4	**130**	2.2	381.1
10237	**di-Isopropyl ether**	108-20-3	**8.0**	2.2	381.1
10237	**Isopropylbenzene**	98-82-8	**11**	2.2	381.1
10237	p-Isopropyltoluene	99-87-6	< 2.2	2.2	381.1
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 2.2	2.2	381.1
10237	Methylene Chloride	75-09-2	< 2.2	2.2	381.1
10237	**Naphthalene**	91-20-3	**19**	2.2	381.1
10237	**n-Propylbenzene**	103-65-1	**39**	2.2	381.1
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 2.2	2.2	381.1
10237	Tetrachloroethene	127-18-4	< 2.2	2.2	381.1
10237	**Toluene**	108-88-3	**550**	22	3810.98
10237	1,1,1-Trichloroethane	71-55-6	< 2.2	2.2	381.1
10237	1,1,2-Trichloroethane	79-00-5	< 2.2	2.2	381.1
10237	Trichloroethene	79-01-6	< 2.2	2.2	381.1
10237	Trichlorofluoromethane	75-69-4	< 2.2	2.2	381.1
10237	**1,2,4-Trimethylbenzene**	95-63-6	**210**	22	3810.98

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2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Analysis Report

Sample Description: RE-Bottom-1(11.5') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850306
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 08:40 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

REBT1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**59**	2.2	381.1
10237	Vinyl Chloride	75-01-4	< 2.2	2.2	381.1
10237	**Xylene (Total)**	1330-20-7	**630**	22	3810.98
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**3,500**	2,200	48076.92
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**390**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**14.2**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 13:08	Anita M Dale	381.1
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 13:31	Anita M Dale	3810.98
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 08:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 08:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 08:40	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15112A34A	04/22/2015 09:26	Marie D Beamenderfer	48076.92
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 08:40	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 17:04	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-NSW-1(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850307
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 09:50 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RNSW1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 0.89	0.89	37.2
10237	Acrolein	107-02-8	< 4.5	4.5	37.2
10237	Acrylonitrile	107-13-1	< 0.89	0.89	37.2
10237	t-Amyl methyl ether	994-05-8	< 0.22	0.22	37.2
10237	**Benzene**	71-43-2	**0.47**	0.22	37.2
10237	Bromodichloromethane	75-27-4	< 0.22	0.22	37.2
10237	Bromoform	75-25-2	< 0.22	0.22	37.2
10237	Bromomethane	74-83-9	< 0.22	0.22	37.2
10237	2-Butanone	78-93-3	< 0.45	0.45	37.2
10237	t-Butyl alcohol	75-65-0	< 4.5	4.5	37.2
10237	n-Butylbenzene	104-51-8	< 0.22	0.22	37.2
10237	sec-Butylbenzene	135-98-8	< 0.22	0.22	37.2
10237	Carbon Tetrachloride	56-23-5	< 0.22	0.22	37.2
10237	Chlorobenzene	108-90-7	< 0.22	0.22	37.2
10237	Chloroethane	75-00-3	< 0.22	0.22	37.2
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.45	0.45	37.2
10237	Chloroform	67-66-3	< 0.22	0.22	37.2
10237	Chloromethane	74-87-3	< 0.22	0.22	37.2
10237	Dibromochloromethane	124-48-1	< 0.22	0.22	37.2
10237	1,2-Dibromoethane	106-93-4	< 0.22	0.22	37.2
10237	1,2-Dichlorobenzene	95-50-1	< 0.22	0.22	37.2
10237	1,3-Dichlorobenzene	541-73-1	< 0.22	0.22	37.2
10237	1,4-Dichlorobenzene	106-46-7	< 0.22	0.22	37.2
10237	1,1-Dichloroethane	75-34-3	< 0.22	0.22	37.2
10237	1,2-Dichloroethane	107-06-2	< 0.22	0.22	37.2
10237	1,1-Dichloroethene	75-35-4	< 0.22	0.22	37.2
10237	cis-1,2-Dichloroethene	156-59-2	< 0.22	0.22	37.2
10237	trans-1,2-Dichloroethene	156-60-5	< 0.22	0.22	37.2
10237	1,2-Dichloropropane	78-87-5	< 0.22	0.22	37.2
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.22	0.22	37.2
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.22	0.22	37.2
10237	Ethyl t-butyl ether	637-92-3	< 0.22	0.22	37.2
10237	**Ethylbenzene**	100-41-4	**2.1**	0.22	37.2
10237	**di-Isopropyl ether**	108-20-3	**0.24**	0.22	37.2
10237	Isopropylbenzene	98-82-8	< 0.22	0.22	37.2
10237	p-Isopropyltoluene	99-87-6	< 0.22	0.22	37.2
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.22	0.22	37.2
10237	Methylene Chloride	75-09-2	< 0.22	0.22	37.2
10237	**Naphthalene**	91-20-3	**0.72**	0.22	37.2
10237	**n-Propylbenzene**	103-65-1	**0.74**	0.22	37.2
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.22	0.22	37.2
10237	Tetrachloroethene	127-18-4	< 0.22	0.22	37.2
10237	**Toluene**	108-88-3	**2.8**	0.22	37.2
10237	1,1,1-Trichloroethane	71-55-6	< 0.22	0.22	37.2
10237	1,1,2-Trichloroethane	79-00-5	< 0.22	0.22	37.2
10237	Trichloroethene	79-01-6	< 0.22	0.22	37.2
10237	Trichlorofluoromethane	75-69-4	< 0.22	0.22	37.2
10237	**1,2,4-Trimethylbenzene**	95-63-6	**4.3**	0.22	37.2

Sample Description: RE-NSW-1(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850307
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 09:50 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RNSW1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**1.2**	0.22	37.2
10237	Vinyl Chloride	75-01-4	< 0.22	0.22	37.2
10237	**Xylene (Total)**	1330-20-7	**9.1**	0.22	37.2
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**42**	8.8	184.09
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**39**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**16.6**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 13:55	Anita M Dale	37.2
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 09:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 09:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 09:50	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15113A34A	04/23/2015 19:53	Marie D Beamenderfer	184.09
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 09:50	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 14:30	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-Bottom-2(11') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850308
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 10:20 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

REBT2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 10	10	440.92
10237	Acrolein	107-02-8	< 52	52	440.92
10237	Acrylonitrile	107-13-1	< 10	10	440.92
10237	t-Amyl methyl ether	994-05-8	< 2.6	2.6	440.92
10237	**Benzene**	71-43-2	**21**	2.6	440.92
10237	Bromodichloromethane	75-27-4	< 2.6	2.6	440.92
10237	Bromoform	75-25-2	< 2.6	2.6	440.92
10237	Bromomethane	74-83-9	< 2.6	2.6	440.92
10237	2-Butanone	78-93-3	< 5.2	5.2	440.92
10237	t-Butyl alcohol	75-65-0	< 52	52	440.92
10237	**n-Butylbenzene**	104-51-8	**7.6**	2.6	440.92
10237	**sec-Butylbenzene**	135-98-8	**3.0**	2.6	440.92
10237	Carbon Tetrachloride	56-23-5	< 2.6	2.6	440.92
10237	Chlorobenzene	108-90-7	< 2.6	2.6	440.92
10237	Chloroethane	75-00-3	< 2.6	2.6	440.92
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 5.2	5.2	440.92
10237	Chloroform	67-66-3	< 2.6	2.6	440.92
10237	Chloromethane	74-87-3	< 2.6	2.6	440.92
10237	Dibromochloromethane	124-48-1	< 2.6	2.6	440.92
10237	1,2-Dibromoethane	106-93-4	< 2.6	2.6	440.92
10237	1,2-Dichlorobenzene	95-50-1	< 2.6	2.6	440.92
10237	1,3-Dichlorobenzene	541-73-1	< 2.6	2.6	440.92
10237	1,4-Dichlorobenzene	106-46-7	< 2.6	2.6	440.92
10237	1,1-Dichloroethane	75-34-3	< 2.6	2.6	440.92
10237	1,2-Dichloroethane	107-06-2	< 2.6	2.6	440.92
10237	1,1-Dichloroethene	75-35-4	< 2.6	2.6	440.92
10237	cis-1,2-Dichloroethene	156-59-2	< 2.6	2.6	440.92
10237	trans-1,2-Dichloroethene	156-60-5	< 2.6	2.6	440.92
10237	1,2-Dichloropropane	78-87-5	< 2.6	2.6	440.92
10237	cis-1,3-Dichloropropene	10061-01-5	< 2.6	2.6	440.92
10237	trans-1,3-Dichloropropene	10061-02-6	< 2.6	2.6	440.92
10237	Ethyl t-butyl ether	637-92-3	< 2.6	2.6	440.92
10237	**Ethylbenzene**	100-41-4	**83**	2.6	440.92
10237	**di-Isopropyl ether**	108-20-3	**12**	2.6	440.92
10237	**Isopropylbenzene**	98-82-8	**8.5**	2.6	440.92
10237	p-Isopropyltoluene	99-87-6	< 2.6	2.6	440.92
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 2.6	2.6	440.92
10237	Methylene Chloride	75-09-2	< 2.6	2.6	440.92
10237	**Naphthalene**	91-20-3	**18**	2.6	440.92
10237	**n-Propylbenzene**	103-65-1	**32**	2.6	440.92
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 2.6	2.6	440.92
10237	Tetrachloroethene	127-18-4	< 2.6	2.6	440.92
10237	**Toluene**	108-88-3	**250**	26	4409.17
10237	1,1,1-Trichloroethane	71-55-6	< 2.6	2.6	440.92
10237	1,1,2-Trichloroethane	79-00-5	< 2.6	2.6	440.92
10237	Trichloroethene	79-01-6	< 2.6	2.6	440.92
10237	Trichlorofluoromethane	75-69-4	< 2.6	2.6	440.92
10237	**1,2,4-Trimethylbenzene**	95-63-6	**180**	26	4409.17

Sample Description: RE-Bottom-2(11') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850308
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 10:20 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

REBT2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**52**	2.6	440.92
10237	Vinyl Chloride	75-01-4	< 2.6	2.6	440.92
10237	**Xylene (Total)**	1330-20-7	**410**	2.6	440.92
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**2,800**	800	17182.13
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**410**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**14.6**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 14:41	Anita M Dale	440.92
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 15:04	Anita M Dale	4409.17
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 10:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 10:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 10:20	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15112A34A	04/22/2015 10:38	Marie D Beamenderfer	17182.13
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 10:20	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 18:55	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-WSW-1(10') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850309
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 10:50 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RWSW1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	Acetone	67-64-1	< 22	22	939.85
10237	Acrolein	107-02-8	< 110	110	939.85
10237	Acrylonitrile	107-13-1	< 22	22	939.85
10237	t-Amyl methyl ether	994-05-8	< 5.6	5.6	939.85
10237	**Benzene**	71-43-2	**76**	5.6	939.85
10237	Bromodichloromethane	75-27-4	< 5.6	5.6	939.85
10237	Bromoform	75-25-2	< 5.6	5.6	939.85
10237	Bromomethane	74-83-9	< 5.6	5.6	939.85
10237	2-Butanone	78-93-3	< 11	11	939.85
10237	t-Butyl alcohol	75-65-0	< 110	110	939.85
10237	**n-Butylbenzene**	104-51-8	**20**	5.6	939.85
10237	**sec-Butylbenzene**	135-98-8	**7.6**	5.6	939.85
10237	Carbon Tetrachloride	56-23-5	< 5.6	5.6	939.85
10237	Chlorobenzene	108-90-7	< 5.6	5.6	939.85
10237	Chloroethane	75-00-3	< 5.6	5.6	939.85
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 11	11	939.85
10237	Chloroform	67-66-3	< 5.6	5.6	939.85
10237	Chloromethane	74-87-3	< 5.6	5.6	939.85
10237	Dibromochloromethane	124-48-1	< 5.6	5.6	939.85
10237	1,2-Dibromoethane	106-93-4	< 5.6	5.6	939.85
10237	1,2-Dichlorobenzene	95-50-1	< 5.6	5.6	939.85
10237	1,3-Dichlorobenzene	541-73-1	< 5.6	5.6	939.85
10237	1,4-Dichlorobenzene	106-46-7	< 5.6	5.6	939.85
10237	1,1-Dichloroethane	75-34-3	< 5.6	5.6	939.85
10237	1,2-Dichloroethane	107-06-2	< 5.6	5.6	939.85
10237	1,1-Dichloroethene	75-35-4	< 5.6	5.6	939.85
10237	cis-1,2-Dichloroethene	156-59-2	< 5.6	5.6	939.85
10237	trans-1,2-Dichloroethene	156-60-5	< 5.6	5.6	939.85
10237	1,2-Dichloropropane	78-87-5	< 5.6	5.6	939.85
10237	cis-1,3-Dichloropropene	10061-01-5	< 5.6	5.6	939.85
10237	trans-1,3-Dichloropropene	10061-02-6	< 5.6	5.6	939.85
10237	Ethyl t-butyl ether	637-92-3	< 5.6	5.6	939.85
10237	**Ethylbenzene**	100-41-4	**290**	5.6	939.85
10237	**di-Isopropyl ether**	108-20-3	**13**	5.6	939.85
10237	**Isopropylbenzene**	98-82-8	**24**	5.6	939.85
10237	p-Isopropyltoluene	99-87-6	< 5.6	5.6	939.85
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 5.6	5.6	939.85
10237	Methylene Chloride	75-09-2	< 5.6	5.6	939.85
10237	**Naphthalene**	91-20-3	**42**	5.6	939.85
10237	**n-Propylbenzene**	103-65-1	**88**	5.6	939.85
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 5.6	5.6	939.85
10237	Tetrachloroethene	127-18-4	< 5.6	5.6	939.85
10237	**Toluene**	108-88-3	**1,200**	56	9398.5
10237	1,1,1-Trichloroethane	71-55-6	< 5.6	5.6	939.85
10237	1,1,2-Trichloroethane	79-00-5	< 5.6	5.6	939.85
10237	Trichloroethene	79-01-6	< 5.6	5.6	939.85
10237	Trichlorofluoromethane	75-69-4	< 5.6	5.6	939.85
10237	**1,2,4-Trimethylbenzene**	95-63-6	**500**	56	9398.5

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Analysis Report

Sample Description: RE-WSW-1(10') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850309
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 10:50 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RWSW1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**130**	5.6	939.85
10237	Vinyl Chloride	75-01-4	< 5.6	5.6	939.85
10237	**Xylene (Total)**	1330-20-7	**1,500**	56	9398.5
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**13,000**	2,000	42158.52
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**1,800**	140	10
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**15.6**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 15:28	Anita M Dale	939.85
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 15:51	Anita M Dale	9398.5
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 10:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 10:50	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 10:50	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15112A34A	04/22/2015 17:34	Marie D Beamenderfer	42158.52
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 10:50	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/24/2015 15:24	Christine E Dolman	10
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-SSE-1(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850310
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 11:20 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RSSE1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 13	13	545.85
10237	Acrolein	107-02-8	< 64	64	545.85
10237	Acrylonitrile	107-13-1	< 13	13	545.85
10237	t-Amyl methyl ether	994-05-8	< 3.2	3.2	545.85
10237	**Benzene**	71-43-2	**39**	3.2	545.85
10237	Bromodichloromethane	75-27-4	< 3.2	3.2	545.85
10237	Bromoform	75-25-2	< 3.2	3.2	545.85
10237	Bromomethane	74-83-9	< 3.2	3.2	545.85
10237	2-Butanone	78-93-3	< 6.4	6.4	545.85
10237	t-Butyl alcohol	75-65-0	< 64	64	545.85
10237	**n-Butylbenzene**	104-51-8	**11**	3.2	545.85
10237	**sec-Butylbenzene**	135-98-8	**4.8**	3.2	545.85
10237	Carbon Tetrachloride	56-23-5	< 3.2	3.2	545.85
10237	Chlorobenzene	108-90-7	< 3.2	3.2	545.85
10237	Chloroethane	75-00-3	< 3.2	3.2	545.85
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 6.4	6.4	545.85
10237	Chloroform	67-66-3	< 3.2	3.2	545.85
10237	Chloromethane	74-87-3	< 3.2	3.2	545.85
10237	Dibromochloromethane	124-48-1	< 3.2	3.2	545.85
10237	1,2-Dibromoethane	106-93-4	< 3.2	3.2	545.85
10237	1,2-Dichlorobenzene	95-50-1	< 3.2	3.2	545.85
10237	1,3-Dichlorobenzene	541-73-1	< 3.2	3.2	545.85
10237	1,4-Dichlorobenzene	106-46-7	< 3.2	3.2	545.85
10237	1,1-Dichloroethane	75-34-3	< 3.2	3.2	545.85
10237	1,2-Dichloroethane	107-06-2	< 3.2	3.2	545.85
10237	1,1-Dichloroethene	75-35-4	< 3.2	3.2	545.85
10237	cis-1,2-Dichloroethene	156-59-2	< 3.2	3.2	545.85
10237	trans-1,2-Dichloroethene	156-60-5	< 3.2	3.2	545.85
10237	1,2-Dichloropropane	78-87-5	< 3.2	3.2	545.85
10237	cis-1,3-Dichloropropene	10061-01-5	< 3.2	3.2	545.85
10237	trans-1,3-Dichloropropene	10061-02-6	< 3.2	3.2	545.85
10237	Ethyl t-butyl ether	637-92-3	< 3.2	3.2	545.85
10237	**Ethylbenzene**	100-41-4	**150**	3.2	545.85
10237	**di-Isopropyl ether**	108-20-3	**11**	3.2	545.85
10237	**Isopropylbenzene**	98-82-8	**15**	3.2	545.85
10237	p-Isopropyltoluene	99-87-6	< 3.2	3.2	545.85
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 3.2	3.2	545.85
10237	Methylene Chloride	75-09-2	< 3.2	3.2	545.85
10237	**Naphthalene**	91-20-3	**26**	3.2	545.85
10237	**n-Propylbenzene**	103-65-1	**53**	3.2	545.85
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 3.2	3.2	545.85
10237	Tetrachloroethene	127-18-4	< 3.2	3.2	545.85
10237	**Toluene**	108-88-3	**550**	32	5458.52
10237	1,1,1-Trichloroethane	71-55-6	< 3.2	3.2	545.85
10237	1,1,2-Trichloroethane	79-00-5	< 3.2	3.2	545.85
10237	Trichloroethene	79-01-6	< 3.2	3.2	545.85
10237	Trichlorofluoromethane	75-69-4	< 3.2	3.2	545.85
10237	**1,2,4-Trimethylbenzene**	95-63-6	**290**	32	5458.52

Sample Description: RE-SSE-1(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850310
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 11:20 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RSSE1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**78**	3.2	545.85
10237	Vinyl Chloride	75-01-4	< 3.2	3.2	545.85
10237	**Xylene (Total)**	1330-20-7	**760**	32	5458.52
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**6,800**	920	19723.87
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**320**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**14.5**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 16:14	Anita M Dale	545.85
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151111AA	04/21/2015 16:38	Anita M Dale	5458.52
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 11:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 11:20	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 11:20	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15112A34A	04/22/2015 18:10	Marie D Beamenderfer	19723.87
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 11:20	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 18:11	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-NSW-2(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850311
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 11:10 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RNSW2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**Acetone**	67-64-1	**1.5**	0.94	39.18
10237	Acrolein	107-02-8	< 4.7	4.7	39.18
10237	Acrylonitrile	107-13-1	< 0.94	0.94	39.18
10237	t-Amyl methyl ether	994-05-8	< 0.23	0.23	39.18
10237	**Benzene**	71-43-2	**1.7**	0.23	39.18
10237	Bromodichloromethane	75-27-4	< 0.23	0.23	39.18
10237	Bromoform	75-25-2	< 0.23	0.23	39.18
10237	Bromomethane	74-83-9	< 0.23	0.23	39.18
10237	2-Butanone	78-93-3	< 0.47	0.47	39.18
10237	t-Butyl alcohol	75-65-0	< 4.7	4.7	39.18
10237	n-Butylbenzene	104-51-8	< 0.23	0.23	39.18
10237	sec-Butylbenzene	135-98-8	< 0.23	0.23	39.18
10237	Carbon Tetrachloride	56-23-5	< 0.23	0.23	39.18
10237	Chlorobenzene	108-90-7	< 0.23	0.23	39.18
10237	Chloroethane	75-00-3	< 0.23	0.23	39.18
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.47	0.47	39.18
10237	Chloroform	67-66-3	< 0.23	0.23	39.18
10237	Chloromethane	74-87-3	< 0.23	0.23	39.18
10237	Dibromochloromethane	124-48-1	< 0.23	0.23	39.18
10237	1,2-Dibromoethane	106-93-4	< 0.23	0.23	39.18
10237	1,2-Dichlorobenzene	95-50-1	< 0.23	0.23	39.18
10237	1,3-Dichlorobenzene	541-73-1	< 0.23	0.23	39.18
10237	1,4-Dichlorobenzene	106-46-7	< 0.23	0.23	39.18
10237	1,1-Dichloroethane	75-34-3	< 0.23	0.23	39.18
10237	1,2-Dichloroethane	107-06-2	< 0.23	0.23	39.18
10237	1,1-Dichloroethene	75-35-4	< 0.23	0.23	39.18
10237	cis-1,2-Dichloroethene	156-59-2	< 0.23	0.23	39.18
10237	trans-1,2-Dichloroethene	156-60-5	< 0.23	0.23	39.18
10237	1,2-Dichloropropane	78-87-5	< 0.23	0.23	39.18
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.23	0.23	39.18
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.23	0.23	39.18
10237	Ethyl t-butyl ether	637-92-3	< 0.23	0.23	39.18
10237	**Ethylbenzene**	100-41-4	**0.91**	0.23	39.18
10237	**di-Isopropyl ether**	108-20-3	**3.7**	0.23	39.18
10237	Isopropylbenzene	98-82-8	< 0.23	0.23	39.18
10237	p-Isopropyltoluene	99-87-6	< 0.23	0.23	39.18
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.23	0.23	39.18
10237	Methylene Chloride	75-09-2	< 0.23	0.23	39.18
10237	**Naphthalene**	91-20-3	**0.55**	0.23	39.18
10237	**n-Propylbenzene**	103-65-1	**0.37**	0.23	39.18
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.23	0.23	39.18
10237	Tetrachloroethene	127-18-4	< 0.23	0.23	39.18
10237	**Toluene**	108-88-3	**4.3**	0.23	39.18
10237	1,1,1-Trichloroethane	71-55-6	< 0.23	0.23	39.18
10237	1,1,2-Trichloroethane	79-00-5	< 0.23	0.23	39.18
10237	Trichloroethene	79-01-6	< 0.23	0.23	39.18
10237	Trichlorofluoromethane	75-69-4	< 0.23	0.23	39.18
10237	**1,2,4-Trimethylbenzene**	95-63-6	**2.2**	0.23	39.18

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Analysis Report

Sample Description: RE-NSW-2(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850311
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 11:10 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RNSW2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**0.63**	0.23	39.18
10237	Vinyl Chloride	75-01-4	< 0.23	0.23	39.18
10237	**Xylene (Total)**	1330-20-7	**4.6**	0.23	39.18
GC Volatiles	**SW-846 8015B**		mg/kg	mg/kg	
01637	**TPH-GRO soil C6-C10**	n.a.	**52**	8.8	184.16
GC Miscellaneous	**SW-846 8015B**		mg/kg	mg/kg	
10941	TPH-DRO soil C10-C28 microwave	n.a.	< 14	14	1
Wet Chemistry	**SM 2540 G-1997**		%	%	
00111	**Moisture**	n.a.	**16.4**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151121AA	04/22/2015 11:06	Anita M Dale	39.18
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 11:10	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 11:10	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 11:10	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15113A34A	04/23/2015 20:29	Marie D Beamenderfer	184.16
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 11:10	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 15:58	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-Bottom-3(11') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850312
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 11:30 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

REBT3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 0.90	0.90	37.71
10237	Acrolein	107-02-8	< 4.5	4.5	37.71
10237	Acrylonitrile	107-13-1	< 0.90	0.90	37.71
10237	t-Amyl methyl ether	994-05-8	< 0.22	0.22	37.71
10237	**Benzene**	71-43-2	**0.57**	0.22	37.71
10237	Bromodichloromethane	75-27-4	< 0.22	0.22	37.71
10237	Bromoform	75-25-2	< 0.22	0.22	37.71
10237	Bromomethane	74-83-9	< 0.22	0.22	37.71
10237	2-Butanone	78-93-3	< 0.45	0.45	37.71
10237	t-Butyl alcohol	75-65-0	< 4.5	4.5	37.71
10237	n-Butylbenzene	104-51-8	< 0.22	0.22	37.71
10237	sec-Butylbenzene	135-98-8	< 0.22	0.22	37.71
10237	Carbon Tetrachloride	56-23-5	< 0.22	0.22	37.71
10237	Chlorobenzene	108-90-7	< 0.22	0.22	37.71
10237	Chloroethane	75-00-3	< 0.22	0.22	37.71
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.45	0.45	37.71
10237	Chloroform	67-66-3	< 0.22	0.22	37.71
10237	Chloromethane	74-87-3	< 0.22	0.22	37.71
10237	Dibromochloromethane	124-48-1	< 0.22	0.22	37.71
10237	1,2-Dibromoethane	106-93-4	< 0.22	0.22	37.71
10237	1,2-Dichlorobenzene	95-50-1	< 0.22	0.22	37.71
10237	1,3-Dichlorobenzene	541-73-1	< 0.22	0.22	37.71
10237	1,4-Dichlorobenzene	106-46-7	< 0.22	0.22	37.71
10237	1,1-Dichloroethane	75-34-3	< 0.22	0.22	37.71
10237	1,2-Dichloroethane	107-06-2	< 0.22	0.22	37.71
10237	1,1-Dichloroethene	75-35-4	< 0.22	0.22	37.71
10237	cis-1,2-Dichloroethene	156-59-2	< 0.22	0.22	37.71
10237	trans-1,2-Dichloroethene	156-60-5	< 0.22	0.22	37.71
10237	1,2-Dichloropropane	78-87-5	< 0.22	0.22	37.71
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.22	0.22	37.71
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.22	0.22	37.71
10237	Ethyl t-butyl ether	637-92-3	< 0.22	0.22	37.71
10237	**Ethylbenzene**	100-41-4	**0.95**	0.22	37.71
10237	**di-Isopropyl ether**	108-20-3	**0.51**	0.22	37.71
10237	Isopropylbenzene	98-82-8	< 0.22	0.22	37.71
10237	p-Isopropyltoluene	99-87-6	< 0.22	0.22	37.71
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.22	0.22	37.71
10237	Methylene Chloride	75-09-2	< 0.22	0.22	37.71
10237	**Naphthalene**	91-20-3	**0.35**	0.22	37.71
10237	**n-Propylbenzene**	103-65-1	**0.36**	0.22	37.71
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.22	0.22	37.71
10237	Tetrachloroethene	127-18-4	< 0.22	0.22	37.71
10237	**Toluene**	108-88-3	**3.4**	0.22	37.71
10237	1,1,1-Trichloroethane	71-55-6	< 0.22	0.22	37.71
10237	1,1,2-Trichloroethane	79-00-5	< 0.22	0.22	37.71
10237	Trichloroethene	79-01-6	< 0.22	0.22	37.71
10237	Trichlorofluoromethane	75-69-4	< 0.22	0.22	37.71
10237	**1,2,4-Trimethylbenzene**	95-63-6	**1.8**	0.22	37.71

Sample Description: RE-Bottom-3(11') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850312
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 11:30 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

REBT3

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**0.57**	0.22	37.71
10237	Vinyl Chloride	75-01-4	< 0.22	0.22	37.71
10237	**Xylene (Total)**	1330-20-7	**4.4**	0.22	37.71
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**150**	74	1560.06
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**240**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**15.8**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q151121AA	04/22/2015 11:29	Anita M Dale	37.71
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 11:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 11:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 11:30	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15112A34A	04/22/2015 19:22	Marie D Beamenderfer	1560.06
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 11:30	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 15:14	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-ESW-1(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850313
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 13:30 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RESW1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	**Acetone**	67-64-1	**2.4**	0.96	40.85
10237	Acrolein	107-02-8	< 4.8	4.8	40.85
10237	Acrylonitrile	107-13-1	< 0.96	0.96	40.85
10237	t-Amyl methyl ether	994-05-8	< 0.24	0.24	40.85
10237	**Benzene**	71-43-2	**2.2**	0.24	40.85
10237	Bromodichloromethane	75-27-4	< 0.24	0.24	40.85
10237	Bromoform	75-25-2	< 0.24	0.24	40.85
10237	Bromomethane	74-83-9	< 0.24	0.24	40.85
10237	2-Butanone	78-93-3	< 0.48	0.48	40.85
10237	t-Butyl alcohol	75-65-0	< 4.8	4.8	40.85
10237	n-Butylbenzene	104-51-8	< 0.24	0.24	40.85
10237	sec-Butylbenzene	135-98-8	< 0.24	0.24	40.85
10237	Carbon Tetrachloride	56-23-5	< 0.24	0.24	40.85
10237	Chlorobenzene	108-90-7	< 0.24	0.24	40.85
10237	Chloroethane	75-00-3	< 0.24	0.24	40.85
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.48	0.48	40.85
10237	Chloroform	67-66-3	< 0.24	0.24	40.85
10237	Chloromethane	74-87-3	< 0.24	0.24	40.85
10237	Dibromochloromethane	124-48-1	< 0.24	0.24	40.85
10237	1,2-Dibromoethane	106-93-4	< 0.24	0.24	40.85
10237	1,2-Dichlorobenzene	95-50-1	< 0.24	0.24	40.85
10237	1,3-Dichlorobenzene	541-73-1	< 0.24	0.24	40.85
10237	1,4-Dichlorobenzene	106-46-7	< 0.24	0.24	40.85
10237	1,1-Dichloroethane	75-34-3	< 0.24	0.24	40.85
10237	1,2-Dichloroethane	107-06-2	< 0.24	0.24	40.85
10237	1,1-Dichloroethene	75-35-4	< 0.24	0.24	40.85
10237	cis-1,2-Dichloroethene	156-59-2	< 0.24	0.24	40.85
10237	trans-1,2-Dichloroethene	156-60-5	< 0.24	0.24	40.85
10237	1,2-Dichloropropane	78-87-5	< 0.24	0.24	40.85
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.24	0.24	40.85
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.24	0.24	40.85
10237	Ethyl t-butyl ether	637-92-3	< 0.24	0.24	40.85
10237	**Ethylbenzene**	100-41-4	**0.32**	0.24	40.85
10237	**di-Isopropyl ether**	108-20-3	**3.6**	0.24	40.85
10237	Isopropylbenzene	98-82-8	< 0.24	0.24	40.85
10237	p-Isopropyltoluene	99-87-6	< 0.24	0.24	40.85
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.24	0.24	40.85
10237	Methylene Chloride	75-09-2	< 0.24	0.24	40.85
10237	Naphthalene	91-20-3	< 0.24	0.24	40.85
10237	n-Propylbenzene	103-65-1	< 0.24	0.24	40.85
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.24	0.24	40.85
10237	Tetrachloroethene	127-18-4	< 0.24	0.24	40.85
10237	**Toluene**	108-88-3	**4.7**	0.24	40.85
10237	1,1,1-Trichloroethane	71-55-6	< 0.24	0.24	40.85
10237	1,1,2-Trichloroethane	79-00-5	< 0.24	0.24	40.85
10237	Trichloroethene	79-01-6	< 0.24	0.24	40.85
10237	Trichlorofluoromethane	75-69-4	< 0.24	0.24	40.85
10237	1,2,4-Trimethylbenzene	95-63-6	< 0.24	0.24	40.85
10237	1,3,5-Trimethylbenzene	108-67-8	< 0.24	0.24	40.85

Sample Description: RE-ESW-1(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850313
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 13:30 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RESW1

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	Vinyl Chloride	75-01-4	< 0.24	0.24	40.85
10237	**Xylene (Total)**	1330-20-7	**1.6**	0.24	40.85
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**21**	4.0	84.32
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	TPH-DRO soil C10-C28 microwave	n.a.	< 14	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**15.1**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R151111AA	04/21/2015 15:59	Sarah A Guill	40.85
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 13:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 13:30	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 13:30	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15113A34A	04/23/2015 21:05	Marie D Beamenderfer	84.32
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 13:30	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 16:20	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Sample Description: RE-SSE-2(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850314
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 13:40 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RSSE2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 2.0	2.0	80.78
10237	Acrolein	107-02-8	< 9.9	9.9	80.78
10237	Acrylonitrile	107-13-1	< 2.0	2.0	80.78
10237	t-Amyl methyl ether	994-05-8	< 0.50	0.50	80.78
10237	**Benzene**	71-43-2	**13**	0.50	80.78
10237	Bromodichloromethane	75-27-4	< 0.50	0.50	80.78
10237	Bromoform	75-25-2	< 0.50	0.50	80.78
10237	Bromomethane	74-83-9	< 0.50	0.50	80.78
10237	2-Butanone	78-93-3	< 0.99	0.99	80.78
10237	t-Butyl alcohol	75-65-0	< 9.9	9.9	80.78
10237	**n-Butylbenzene**	104-51-8	**5.1**	0.50	80.78
10237	**sec-Butylbenzene**	135-98-8	**2.1**	0.50	80.78
10237	Carbon Tetrachloride	56-23-5	< 0.50	0.50	80.78
10237	Chlorobenzene	108-90-7	< 0.50	0.50	80.78
10237	Chloroethane	75-00-3	< 0.50	0.50	80.78
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.99	0.99	80.78
10237	Chloroform	67-66-3	< 0.50	0.50	80.78
10237	Chloromethane	74-87-3	< 0.50	0.50	80.78
10237	Dibromochloromethane	124-48-1	< 0.50	0.50	80.78
10237	1,2-Dibromoethane	106-93-4	< 0.50	0.50	80.78
10237	1,2-Dichlorobenzene	95-50-1	< 0.50	0.50	80.78
10237	1,3-Dichlorobenzene	541-73-1	< 0.50	0.50	80.78
10237	1,4-Dichlorobenzene	106-46-7	< 0.50	0.50	80.78
10237	1,1-Dichloroethane	75-34-3	< 0.50	0.50	80.78
10237	1,2-Dichloroethane	107-06-2	< 0.50	0.50	80.78
10237	1,1-Dichloroethene	75-35-4	< 0.50	0.50	80.78
10237	cis-1,2-Dichloroethene	156-59-2	< 0.50	0.50	80.78
10237	trans-1,2-Dichloroethene	156-60-5	< 0.50	0.50	80.78
10237	1,2-Dichloropropane	78-87-5	< 0.50	0.50	80.78
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.50	0.50	80.78
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.50	0.50	80.78
10237	Ethyl t-butyl ether	637-92-3	< 0.50	0.50	80.78
10237	**Ethylbenzene**	100-41-4	**62**	5.0	807.75
10237	**di-Isopropyl ether**	108-20-3	**3.1**	0.50	80.78
10237	**Isopropylbenzene**	98-82-8	**6.0**	0.50	80.78
10237	**p-Isopropyltoluene**	99-87-6	**1.1**	0.50	80.78
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.50	0.50	80.78
10237	Methylene Chloride	75-09-2	< 0.50	0.50	80.78
10237	**Naphthalene**	91-20-3	**13**	0.50	80.78
10237	**n-Propylbenzene**	103-65-1	**21**	0.50	80.78
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.50	0.50	80.78
10237	Tetrachloroethene	127-18-4	< 0.50	0.50	80.78
10237	**Toluene**	108-88-3	**180**	5.0	807.75
10237	1,1,1-Trichloroethane	71-55-6	< 0.50	0.50	80.78
10237	1,1,2-Trichloroethane	79-00-5	< 0.50	0.50	80.78
10237	Trichloroethene	79-01-6	< 0.50	0.50	80.78
10237	Trichlorofluoromethane	75-69-4	< 0.50	0.50	80.78
10237	**1,2,4-Trimethylbenzene**	95-63-6	**130**	5.0	807.75

Sample Description: RE-SSE-2(9') Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7850314
LL Group # 1553916
Account # 12152

Project Name: Southside Oil 27235

Collected: 04/15/2015 13:40 by TB

Submitted: 04/16/2015 17:25
Reported: 04/28/2015 09:51

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

RSSE2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**1,3,5-Trimethylbenzene**	108-67-8	**41**	5.0	807.75
10237	Vinyl Chloride	75-01-4	< 0.50	0.50	80.78
10237	**Xylene (Total)**	1330-20-7	**310**	5.0	807.75
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**2,000**	770	15552.1
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**110**	15	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**18.8**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R151111AA	04/21/2015 16:22	Sarah A Guill	80.78
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R151111AA	04/21/2015 16:45	Sarah A Guill	807.75
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201510637319	04/15/2015 13:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201510637319	04/15/2015 13:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201510637319	04/15/2015 13:40	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	15112A34A	04/22/2015 20:34	Marie D Beamenderfer	15552.1
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201510637319	04/15/2015 13:40	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	151120014A	04/23/2015 18:33	Christine E Dolman	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	151120014A	04/23/2015 03:00	Sherry L Morrow	1
00111	Moisture	SM 2540 G-1997	1	15114820008A	04/24/2015 15:33	Lisa J Cooke	1

Quality Control Summary

Client Name: Kleinfelder
Group Number: 1553916
Reported: 04/28/2015 09:51

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Q151111AA	Sample number(s): 7850306-7850310							
Acetone	< 1.0	1.0	mg/kg	94	94	57-127	0	30
Acrolein	< 5.0	5.0	mg/kg	86	83	49-138	3	30
Acrylonitrile	< 1.0	1.0	mg/kg	95	96	58-120	1	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	95	96	70-120	1	30
Benzene	< 0.25	0.25	mg/kg	101	103	80-120	2	30
Bromodichloromethane	< 0.25	0.25	mg/kg	86	88	75-120	2	30
Bromoform	< 0.25	0.25	mg/kg	81	83	64-120	2	30
Bromomethane	< 0.25	0.25	mg/kg	122	119	41-144	3	30
2-Butanone	< 0.50	0.50	mg/kg	94	94	62-123	0	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	99	100	76-120	1	30
n-Butylbenzene	< 0.25	0.25	mg/kg	88	92	72-120	5	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	92	96	69-120	4	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	87	89	69-130	2	30
Chlorobenzene	< 0.25	0.25	mg/kg	100	100	80-120	1	30
Chloroethane	< 0.25	0.25	mg/kg	124	126	38-142	1	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	99	99	56-121	0	30
Chloroform	< 0.25	0.25	mg/kg	97	96	80-120	0	30
Chloromethane	< 0.25	0.25	mg/kg	84	85	56-120	1	30
Dibromochloromethane	< 0.25	0.25	mg/kg	89	91	77-120	2	30
1,2-Dibromoethane	< 0.25	0.25	mg/kg	103	104	80-120	1	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	94	97	80-120	3	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	95	99	80-120	4	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	95	98	80-120	3	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	96	95	77-120	1	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	95	96	77-130	1	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	96	98	73-129	1	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	100	101	80-120	1	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	100	102	79-122	2	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	101	101	76-120	0	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	95	97	74-120	2	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	97	97	76-120	0	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	93	95	69-120	2	30
Ethylbenzene	< 0.25	0.25	mg/kg	98	99	80-120	1	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	100	100	71-120	0	30
Isopropylbenzene	< 0.25	0.25	mg/kg	96	97	76-120	1	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	89	93	69-120	4	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	93	96	72-120	3	30
Methylene Chloride	< 0.25	0.25	mg/kg	100	101	80-124	1	30
Naphthalene	< 0.25	0.25	mg/kg	75	80	64-120	7	30
n-Propylbenzene	< 0.25	0.25	mg/kg	96	99	77-120	3	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	96	101	72-120	4	30
Tetrachloroethene	< 0.25	0.25	mg/kg	100	99	78-120	0	30
Toluene	< 0.25	0.25	mg/kg	103	103	80-120	0	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1553916
Reported: 04/28/2015 09:51

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	94	95	66-126	1	30
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	101	102	80-120	0	30
Trichloroethene	< 0.25	0.25	mg/kg	98	100	80-120	1	30
Trichlorofluoromethane	< 0.25	0.25	mg/kg	80	78	58-133	1	30
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	95	99	79-120	4	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	95	98	78-120	3	30
Vinyl Chloride	< 0.25	0.25	mg/kg	87	87	59-120	0	30
Xylene (Total)	< 0.25	0.25	mg/kg	99	99	80-120	1	30
Batch number: Q151121AA	Sample number(s): 7850311-7850312							
Acetone	< 1.0	1.0	mg/kg	103	95	57-127	8	30
Acrolein	< 5.0	5.0	mg/kg	91	82	49-138	11	30
Acrylonitrile	< 1.0	1.0	mg/kg	104	98	58-120	6	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	103	98	70-120	5	30
Benzene	< 0.25	0.25	mg/kg	110	105	80-120	5	30
Bromodichloromethane	< 0.25	0.25	mg/kg	94	88	75-120	6	30
Bromoform	< 0.25	0.25	mg/kg	87	83	64-120	5	30
Bromomethane	< 0.25	0.25	mg/kg	159*	127	41-144	23	30
2-Butanone	< 0.50	0.50	mg/kg	101	95	62-123	7	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	103	99	76-120	4	30
n-Butylbenzene	< 0.25	0.25	mg/kg	96	94	72-120	2	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	103	98	69-120	5	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	97	91	69-130	6	30
Chlorobenzene	< 0.25	0.25	mg/kg	108	101	80-120	7	30
Chloroethane	< 0.25	0.25	mg/kg	166*	129	38-142	25	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	108	96	56-121	12	30
Chloroform	< 0.25	0.25	mg/kg	104	98	80-120	6	30
Chloromethane	< 0.25	0.25	mg/kg	94	88	56-120	7	30
Dibromochloromethane	< 0.25	0.25	mg/kg	96	92	77-120	4	30
1,2-Dibromoethane	< 0.25	0.25	mg/kg	110	104	80-120	6	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	103	100	80-120	3	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	105	100	80-120	4	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	105	100	80-120	5	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	104	97	77-120	7	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	102	98	77-130	4	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	106	100	73-129	6	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	108	104	80-120	4	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	110	102	79-122	7	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	108	101	76-120	7	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	104	98	74-120	7	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	103	97	76-120	6	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	102	98	69-120	4	30
Ethylbenzene	< 0.25	0.25	mg/kg	106	100	80-120	6	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	109	103	71-120	6	30
Isopropylbenzene	< 0.25	0.25	mg/kg	104	98	76-120	6	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	100	95	69-120	5	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	103	98	72-120	5	30
Methylene Chloride	< 0.25	0.25	mg/kg	110	104	80-124	6	30
Naphthalene	< 0.25	0.25	mg/kg	84	85	64-120	1	30
n-Propylbenzene	< 0.25	0.25	mg/kg	107	101	77-120	6	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	108	98	72-120	10	30
Tetrachloroethene	< 0.25	0.25	mg/kg	107	101	78-120	6	30
Toluene	< 0.25	0.25	mg/kg	110	104	80-120	6	30
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	103	97	66-126	7	30
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	109	104	80-120	5	30
Trichloroethene	< 0.25	0.25	mg/kg	108	101	80-120	7	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1553916
Reported: 04/28/2015 09:51

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Trichlorofluoromethane	< 0.25	0.25	mg/kg	86	77	58-133	11	30
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	104	101	79-120	3	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	105	100	78-120	5	30
Vinyl Chloride	< 0.25	0.25	mg/kg	99	89	59-120	10	30
Xylene (Total)	< 0.25	0.25	mg/kg	107	101	80-120	6	30
Batch number: R151111AA	Sample number(s): 7850313-7850314							
Acetone	< 1.0	1.0	mg/kg	104	87	57-127	18	30
Acrolein	< 5.0	5.0	mg/kg	103	88	49-138	16	30
Acrylonitrile	< 1.0	1.0	mg/kg	114	100	58-120	14	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	99	86	70-120	14	30
Benzene	< 0.25	0.25	mg/kg	102	92	80-120	10	30
Bromodichloromethane	< 0.25	0.25	mg/kg	111	96	75-120	14	30
Bromoform	< 0.25	0.25	mg/kg	107	94	64-120	13	30
Bromomethane	< 0.25	0.25	mg/kg	153*	126	41-144	20	30
2-Butanone	< 0.50	0.50	mg/kg	105	90	62-123	16	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	107	93	76-120	13	30
n-Butylbenzene	< 0.25	0.25	mg/kg	97	88	72-120	10	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	101	90	69-120	11	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	121	109	69-130	10	30
Chlorobenzene	< 0.25	0.25	mg/kg	103	92	80-120	11	30
Chloroethane	< 0.25	0.25	mg/kg	247*	175*	38-142	34*	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	82	73	56-121	12	30
Chloroform	< 0.25	0.25	mg/kg	114	102	80-120	11	30
Chloromethane	< 0.25	0.25	mg/kg	94	87	56-120	8	30
Dibromochloromethane	< 0.25	0.25	mg/kg	109	98	77-120	10	30
1,2-Dibromoethane	< 0.25	0.25	mg/kg	104	96	80-120	9	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	102	90	80-120	13	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	105	93	80-120	13	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	104	90	80-120	14	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	105	91	77-120	13	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	122	107	77-130	14	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	111	97	73-129	13	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	108	98	80-120	10	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	111	99	79-122	11	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	97	86	76-120	11	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	99	90	74-120	10	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	103	96	76-120	8	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	97	85	69-120	13	30
Ethylbenzene	< 0.25	0.25	mg/kg	101	90	80-120	11	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	92	81	71-120	13	30
Isopropylbenzene	< 0.25	0.25	mg/kg	102	93	76-120	10	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	101	91	69-120	11	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	107	94	72-120	13	30
Methylene Chloride	< 0.25	0.25	mg/kg	107	92	80-124	14	30
Naphthalene	< 0.25	0.25	mg/kg	87	79	64-120	9	30
n-Propylbenzene	< 0.25	0.25	mg/kg	103	87	77-120	17	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	100	79	72-120	24	30
Tetrachloroethene	< 0.25	0.25	mg/kg	101	97	78-120	4	30
Toluene	< 0.25	0.25	mg/kg	100	93	80-120	7	30
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	120	105	66-126	14	30
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	101	91	80-120	10	30
Trichloroethene	< 0.25	0.25	mg/kg	110	100	80-120	9	30
Trichlorofluoromethane	< 0.25	0.25	mg/kg	122	111	58-133	9	30
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	106	92	79-120	14	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	105	91	78-120	14	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1553916
Reported: 04/28/2015 09:51

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	< 0.25	0.25	mg/kg	97	87	59-120	11	30
Xylene (Total)	< 0.25	0.25	mg/kg	101	91	80-120	11	30
Batch number: 15112A34A	Sample number(s): 7850306,7850308-7850310,7850312,7850314							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	75	70	61-120	8	30
Batch number: 15113A34A	Sample number(s): 7850307,7850311,7850313							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	75	82	61-120	9	30
Batch number: 151120014A	Sample number(s): 7850306-7850314							
TPH-DRO soil C10-C28 microwave	< 12	12.	mg/kg	86		81-121		
Batch number: 15114820008A	Sample number(s): 7850306-7850314							
Moisture				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 151120014A	Sample number(s): 7850306-7850314 UNSPK: 7850306 BKG: 7850306								
TPH-DRO soil C10-C28 microwave	-48*		35-129			340	300	14	20
Batch number: 15114820008A	Sample number(s): 7850306-7850314 BKG: P853997								
Moisture						10.6	9.7	9*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOCs 8260 Kleinfelder Full
Batch number: Q151111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7850306	77	84	103	101
7850307	83	90	88	84
7850308	67	74	84	83
7850309	74	73	115	110
7850310	75	85	95	92
Blank	96	106	102	96
LCS	88	94	93	88
LCSD	89	92	92	87
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs 8260 Kleinfelder Full
Batch number: Q151121AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7850311	87	93	91	88

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1553916
Reported: 04/28/2015 09:51

Surrogate Quality Control

7850312	78	83	82	80
Blank	97	109	103	96
LCS	97	101	99	95
LCSD	90	95	93	87
Limits:	50-141	54-135	52-141	50-131

Analysis Name: VOCs 8260 Kleinfelder Full
Batch number: R151111AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7850313	85	82	77	81
7850314	75	72	75	90
Blank	96	96	89	95
LCS	107	106	97	105
LCSD	95	95	90	92
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO soil C6-C10
Batch number: 15112A34A

	Trifluorotoluene-F
7850306	1071*
7850308	656*
7850309	3462*
7850310	1350*
7850312	108
7850314	470*
Blank	101
LCS	99
LCSD	92
Limits:	50-142

Analysis Name: TPH-GRO soil C6-C10
Batch number: 15113A34A

	Trifluorotoluene-F
7850307	99
7850311	91
7850313	90
Blank	96
LCS	100
LCSD	106
Limits:	50-142

Analysis Name: TPH-DRO soil C10-C28 microwave
Batch number: 151120014A

	Orthoterphenyl
7850306	105
7850307	88
7850308	105
7850309	122
7850310	99
7850311	89
7850312	106
7850313	99
7850314	91
Blank	90
DUP	107

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Group Number: 1553916
Reported: 04/28/2015 09:51

Surrogate Quality Control

LCS	87
MS	95
Limits:	54-145

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 155396 Sample #: 7850306-14

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	Mark C. Steele	P.O. #:	51141-301668
Sampler:	Tim Boswell	Quote #:	
Name of State where samples were collected:	Maryland		

Matrix

Sample Identification	Date Collected	Time Collected	Grab	Composite	Soil	Potable Water	NPDES Water	Other	Total # of Containers	Full List VOC+oxy8260	TPH-GRO (8015)	TPH-DRO 8015	Remarks
RE-Bottom-1(11.5')	4/15/15	0840	X		X				6	X	X	X	cooler
RE-NSW-1(9')		0930	X		X				6	X	X	X	
RE-Bottom-2(11')		1020	X		X				6	X	X	X	
RE-WSW-1(10')		1050	X		X				6	X	X	X	
RE-SSE-1(9')		1120	X		X				6	X	X	X	
RE-NSW-2(9')		1110	X		X				6	X	X	X	
RE-Bottom-3(11')		1130	X		X				6	X	X	X	
(TN) RE-ESW-1(9')		1330	X		X				6	X	X	X	
RE-SSE-2(9')		1340	X		X				6	X	X	X	
			X		X					X	X	X	

Analyses Requested / Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: Fax #:

E-mail address:

Data Package Options (please circle if required)
Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicated QC sample and submit triplicate volume)

Internal COC required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
	4/15/15	1900	cooler room	4/15/15	1900
Cooler room	4/16/15	10:30		4/16/15	10:30
	4/16/15	17:00			

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

10 of 11

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Laboratory Data Qualifiers:

B - Analyte detected in the blank
C - Result confirmed by reanalysis
E - Concentration exceeds the calibration range
J (or G, I, X) - estimated value ≥ the Method Detection Limit (MDL or DL) and the < Limit of Quantitation (LOQ or RL)
P - Concentration difference between the primary and confirmation column >40%. The lower result is reported.
U - Analyte was not detected at the value indicated
V - Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference...

Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods. Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, ISO17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
1 Speen Street
Framingham MA 01701

January 27, 2014

Project: Southside Oil 27235

Submittal Date: 01/15/2014
Group Number: 1446298
PO Number: 51141-288670
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
SP-4(9-10) Grab Soil	7337615
SP-5(9-10) Grab Soil	7337616
VE-7(14-15) Grab Soil	7337617

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Kleinfelder	Attn: Mark Steele
ELECTRONIC COPY TO	Kleinfelder	Attn: Angela Vogt
ELECTRONIC COPY TO	Kleinfelder	Attn: Venelda Williams
ELECTRONIC COPY TO	Kleinfelder	Attn: Don Trego

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: SP-4(9-10) Grab Soil
Southside Oil 27235/Annapolis, MD

LL Sample # SW 7337615
LL Group # 1446298
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/14/2014 13:40 by TB

Submitted: 01/15/2014 17:40
Reported: 01/27/2014 17:51

Kleinfelder
1 Speen Street
Framingham MA 01701

SP--4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 1.1	1.1	44.88
10237	Acrolein	107-02-8	< 5.5	5.5	44.88
10237	Acrylonitrile	107-13-1	< 1.1	1.1	44.88
10237	t-Amyl methyl ether	994-05-8	< 0.28	0.28	44.88
10237	**Benzene**	71-43-2	**1.4**	0.28	44.88
10237	Bromodichloromethane	75-27-4	< 0.28	0.28	44.88
10237	Bromoform	75-25-2	< 0.28	0.28	44.88
10237	Bromomethane	74-83-9	< 0.28	0.28	44.88
10237	2-Butanone	78-93-3	< 0.55	0.55	44.88
10237	t-Butyl alcohol	75-65-0	< 5.5	5.5	44.88
10237	**n-Butylbenzene**	104-51-8	**1.3**	0.28	44.88
10237	**sec-Butylbenzene**	135-98-8	**0.51**	0.28	44.88
10237	Carbon Tetrachloride	56-23-5	< 0.28	0.28	44.88
10237	Chlorobenzene	108-90-7	< 0.28	0.28	44.88
10237	Chloroethane	75-00-3	< 0.28	0.28	44.88
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.55	0.55	44.88
10237	Chloroform	67-66-3	< 0.28	0.28	44.88
10237	Chloromethane	74-87-3	< 0.28	0.28	44.88
10237	Dibromochloromethane	124-48-1	< 0.28	0.28	44.88
10237	1,2-Dichlorobenzene	95-50-1	< 0.28	0.28	44.88
10237	1,3-Dichlorobenzene	541-73-1	< 0.28	0.28	44.88
10237	1,4-Dichlorobenzene	106-46-7	< 0.28	0.28	44.88
10237	1,1-Dichloroethane	75-34-3	< 0.28	0.28	44.88
10237	1,2-Dichloroethane	107-06-2	< 0.28	0.28	44.88
10237	1,1-Dichloroethene	75-35-4	< 0.28	0.28	44.88
10237	cis-1,2-Dichloroethene	156-59-2	< 0.28	0.28	44.88
10237	trans-1,2-Dichloroethene	156-60-5	< 0.28	0.28	44.88
10237	1,2-Dichloropropane	78-87-5	< 0.28	0.28	44.88
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.28	0.28	44.88
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.28	0.28	44.88
10237	Ethyl t-butyl ether	637-92-3	< 0.28	0.28	44.88
10237	**Ethylbenzene**	100-41-4	**7.7**	0.28	44.88
10237	**di-Isopropyl ether**	108-20-3	**1.1**	0.28	44.88
10237	**Isopropylbenzene**	98-82-8	**1.2**	0.28	44.88
10237	**p-Isopropyltoluene**	99-87-6	**0.36**	0.28	44.88
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.28	0.28	44.88
10237	Methylene Chloride	75-09-2	< 0.28	0.28	44.88
10237	**Naphthalene**	91-20-3	**4.1**	0.28	44.88
10237	**n-Propylbenzene**	103-65-1	**4.4**	0.28	44.88
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.28	0.28	44.88
10237	Tetrachloroethene	127-18-4	< 0.28	0.28	44.88
10237	**Toluene**	108-88-3	**11**	0.28	44.88
10237	1,1,1-Trichloroethane	71-55-6	< 0.28	0.28	44.88
10237	1,1,2-Trichloroethane	79-00-5	< 0.28	0.28	44.88
10237	Trichloroethene	79-01-6	< 0.28	0.28	44.88
10237	Trichlorofluoromethane	75-69-4	< 0.28	0.28	44.88
10237	**1,2,4-Trimethylbenzene**	95-63-6	**28**	2.8	448.83
10237	**1,3,5-Trimethylbenzene**	108-67-8	**7.7**	0.28	44.88
10237	Vinyl Chloride	75-01-4	< 0.28	0.28	44.88

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Analysis Report

Sample Description: SP-4(9-10) Grab Soil
Southside Oil 27235/Annapolis, MD

LL Sample # SW 7337615
LL Group # 1446298
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/14/2014 13:40 by TB

Submitted: 01/15/2014 17:40
Reported: 01/27/2014 17:51

Kleinfelder
1 Speen Street
Framingham MA 01701

SP--4

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	**Xylene (Total)**	1330-20-7	**39**	0.28	44.88
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**480**	230	4752.85
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**57**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**18.5**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/23/2014 21:24	Sarah A Guill	44.88
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/23/2014 21:47	Sarah A Guill	448.83
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201401633632	01/14/2014 13:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201401633632	01/14/2014 13:40	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201401633632	01/14/2014 13:40	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	14016A31A	01/17/2014 00:07	Laura M Krieger	4752.85
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201401633632	01/14/2014 13:40	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	140170014A	01/21/2014 13:05	Glorines Suarez-Rivera	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	140170014A	01/20/2014 08:45	Kerrie A Freeburn	1
00111	Moisture	SM 2540 G-1997	1	14017820001A	01/17/2014 19:48	Scott W Freisher	1

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Analysis Report

Sample Description: SP-5(9-10) Grab Soil
Southside Oil 27235/Annapolis, MD

LL Sample # SW 7337616
LL Group # 1446298
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/14/2014 11:00 by TB

Submitted: 01/15/2014 17:40
Reported: 01/27/2014 17:51

Kleinfelder
1 Speen Street
Framingham MA 01701

SP--5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 1.2	1.2	53.19
10237	Acrolein	107-02-8	< 5.8	5.8	53.19
10237	Acrylonitrile	107-13-1	< 1.2	1.2	53.19
10237	t-Amyl methyl ether	994-05-8	< 0.29	0.29	53.19
10237	**Benzene**	71-43-2	**1.2**	0.29	53.19
10237	Bromodichloromethane	75-27-4	< 0.29	0.29	53.19
10237	Bromoform	75-25-2	< 0.29	0.29	53.19
10237	Bromomethane	74-83-9	< 0.29	0.29	53.19
10237	2-Butanone	78-93-3	< 0.58	0.58	53.19
10237	t-Butyl alcohol	75-65-0	< 5.8	5.8	53.19
10237	**n-Butylbenzene**	104-51-8	**0.59**	0.29	53.19
10237	sec-Butylbenzene	135-98-8	< 0.29	0.29	53.19
10237	Carbon Tetrachloride	56-23-5	< 0.29	0.29	53.19
10237	Chlorobenzene	108-90-7	< 0.29	0.29	53.19
10237	Chloroethane	75-00-3	< 0.29	0.29	53.19
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.58	0.58	53.19
10237	Chloroform	67-66-3	< 0.29	0.29	53.19
10237	Chloromethane	74-87-3	< 0.29	0.29	53.19
10237	Dibromochloromethane	124-48-1	< 0.29	0.29	53.19
10237	1,2-Dichlorobenzene	95-50-1	< 0.29	0.29	53.19
10237	1,3-Dichlorobenzene	541-73-1	< 0.29	0.29	53.19
10237	1,4-Dichlorobenzene	106-46-7	< 0.29	0.29	53.19
10237	1,1-Dichloroethane	75-34-3	< 0.29	0.29	53.19
10237	1,2-Dichloroethane	107-06-2	< 0.29	0.29	53.19
10237	1,1-Dichloroethene	75-35-4	< 0.29	0.29	53.19
10237	cis-1,2-Dichloroethene	156-59-2	< 0.29	0.29	53.19
10237	trans-1,2-Dichloroethene	156-60-5	< 0.29	0.29	53.19
10237	1,2-Dichloropropane	78-87-5	< 0.29	0.29	53.19
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.29	0.29	53.19
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.29	0.29	53.19
10237	Ethyl t-butyl ether	637-92-3	< 0.29	0.29	53.19
10237	**Ethylbenzene**	100-41-4	**7.8**	0.29	53.19
10237	**di-Isopropyl ether**	108-20-3	**1.1**	0.29	53.19
10237	**Isopropylbenzene**	98-82-8	**0.74**	0.29	53.19
10237	p-Isopropyltoluene	99-87-6	< 0.29	0.29	53.19
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.29	0.29	53.19
10237	Methylene Chloride	75-09-2	< 0.29	0.29	53.19
10237	**Naphthalene**	91-20-3	**2.0**	0.29	53.19
10237	**n-Propylbenzene**	103-65-1	**2.6**	0.29	53.19
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.29	0.29	53.19
10237	Tetrachloroethene	127-18-4	< 0.29	0.29	53.19
10237	**Toluene**	108-88-3	**16**	0.58	106.38
10237	1,1,1-Trichloroethane	71-55-6	< 0.29	0.29	53.19
10237	1,1,2-Trichloroethane	79-00-5	< 0.29	0.29	53.19
10237	Trichloroethene	79-01-6	< 0.29	0.29	53.19
10237	Trichlorofluoromethane	75-69-4	< 0.29	0.29	53.19
10237	**1,2,4-Trimethylbenzene**	95-63-6	**14**	0.29	53.19
10237	**1,3,5-Trimethylbenzene**	108-67-8	**3.9**	0.29	53.19
10237	Vinyl Chloride	75-01-4	< 0.29	0.29	53.19

Sample Description: SP-5(9-10) Grab Soil
Southside Oil 27235/Annapolis, MD

LL Sample # SW 7337616
LL Group # 1446298
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/14/2014 11:00 by TB

Submitted: 01/15/2014 17:40
Reported: 01/27/2014 17:51

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1 Speen Street
Framingham MA 01701

SP--5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	**Xylene (Total)**	1330-20-7	**40**	0.29	53.19
GC Volatiles	**SW-846 8015B**		mg/kg	mg/kg	
01637	**TPH-GRO soil C6-C10**	n.a.	**720**	360	8223.68
GC Miscellaneous	**SW-846 8015B**		mg/kg	mg/kg	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**23**	13	1
Wet Chemistry	**SM 2540 G-1997**		%	%	
00111	**Moisture**	n.a.	**8.0**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/23/2014 22:11	Sarah A Guill	106.38
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	Q140231AA	01/24/2014 10:31	Stephanie A Selis	53.19
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201401633632	01/14/2014 11:00	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201401633632	01/14/2014 11:00	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201401633632	01/14/2014 11:00	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	14016A31A	01/17/2014 00:44	Laura M Krieger	8223.68
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201401633632	01/14/2014 11:00	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	140170014A	01/21/2014 13:27	Glorines Suarez-Rivera	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	140170014A	01/20/2014 08:45	Kerrie A Freeburn	1
00111	Moisture	SM 2540 G-1997	1	14017820001A	01/17/2014 19:48	Scott W Freisher	1

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Analysis Report

Sample Description: VE-7(14-15) Grab Soil
Southside Oil 27235/Annapolis, MD

LL Sample # SW 7337617
LL Group # 1446298
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/14/2014 15:45 by TB

Submitted: 01/15/2014 17:40
Reported: 01/27/2014 17:51

Kleinfelder
1 Speen Street
Framingham MA 01701

VE--7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 2.2	2.2	92.42
10237	Acrolein	107-02-8	< 11	11	92.42
10237	Acrylonitrile	107-13-1	< 2.2	2.2	92.42
10237	t-Amyl methyl ether	994-05-8	< 0.54	0.54	92.42
10237	**Benzene**	71-43-2	**1.8**	0.54	92.42
10237	Bromodichloromethane	75-27-4	< 0.54	0.54	92.42
10237	Bromoform	75-25-2	< 0.54	0.54	92.42
10237	Bromomethane	74-83-9	< 0.54	0.54	92.42
10237	2-Butanone	78-93-3	< 1.1	1.1	92.42
10237	t-Butyl alcohol	75-65-0	< 11	11	92.42
10237	**n-Butylbenzene**	104-51-8	**2.7**	0.54	92.42
10237	**sec-Butylbenzene**	135-98-8	**1.1**	0.54	92.42
10237	Carbon Tetrachloride	56-23-5	< 0.54	0.54	92.42
10237	Chlorobenzene	108-90-7	< 0.54	0.54	92.42
10237	Chloroethane	75-00-3	< 0.54	0.54	92.42
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 1.1	1.1	92.42
10237	Chloroform	67-66-3	< 0.54	0.54	92.42
10237	Chloromethane	74-87-3	< 0.54	0.54	92.42
10237	Dibromochloromethane	124-48-1	< 0.54	0.54	92.42
10237	1,2-Dichlorobenzene	95-50-1	< 0.54	0.54	92.42
10237	1,3-Dichlorobenzene	541-73-1	< 0.54	0.54	92.42
10237	1,4-Dichlorobenzene	106-46-7	< 0.54	0.54	92.42
10237	1,1-Dichloroethane	75-34-3	< 0.54	0.54	92.42
10237	1,2-Dichloroethane	107-06-2	< 0.54	0.54	92.42
10237	1,1-Dichloroethene	75-35-4	< 0.54	0.54	92.42
10237	cis-1,2-Dichloroethene	156-59-2	< 0.54	0.54	92.42
10237	trans-1,2-Dichloroethene	156-60-5	< 0.54	0.54	92.42
10237	1,2-Dichloropropane	78-87-5	< 0.54	0.54	92.42
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.54	0.54	92.42
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.54	0.54	92.42
10237	Ethyl t-butyl ether	637-92-3	< 0.54	0.54	92.42
10237	**Ethylbenzene**	100-41-4	**24**	0.54	92.42
10237	di-Isopropyl ether	108-20-3	< 0.54	0.54	92.42
10237	**Isopropylbenzene**	98-82-8	**3.2**	0.54	92.42
10237	**p-Isopropyltoluene**	99-87-6	**0.68**	0.54	92.42
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.54	0.54	92.42
10237	Methylene Chloride	75-09-2	< 0.54	0.54	92.42
10237	**Naphthalene**	91-20-3	**7.9**	0.54	92.42
10237	**n-Propylbenzene**	103-65-1	**11**	0.54	92.42
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.54	0.54	92.42
10237	Tetrachloroethene	127-18-4	< 0.54	0.54	92.42
10237	**Toluene**	108-88-3	**34**	5.4	924.21
10237	1,1,1-Trichloroethane	71-55-6	< 0.54	0.54	92.42
10237	1,1,2-Trichloroethane	79-00-5	< 0.54	0.54	92.42
10237	Trichloroethene	79-01-6	< 0.54	0.54	92.42
10237	Trichlorofluoromethane	75-69-4	< 0.54	0.54	92.42
10237	**1,2,4-Trimethylbenzene**	95-63-6	**66**	5.4	924.21
10237	**1,3,5-Trimethylbenzene**	108-67-8	**19**	0.54	92.42
10237	Vinyl Chloride	75-01-4	< 0.54	0.54	92.42

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Analysis Report

Sample Description: VE-7(14-15) Grab Soil
Southside Oil 27235/Annapolis, MD

LL Sample # SW 7337617
LL Group # 1446298
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/14/2014 15:45 by TB

Submitted: 01/15/2014 17:40
Reported: 01/27/2014 17:51

Kleinfelder
1 Speen Street
Framingham MA 01701

VE--7

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	**Xylene (Total)**	1330-20-7	**120**	5.4	924.21
GC Volatiles	**SW-846 8015B**		mg/kg	mg/kg	
01637	**TPH-GRO soil C6-C10**	n.a.	**2,200**	420	9090.91
GC Miscellaneous	**SW-846 8015B**		mg/kg	mg/kg	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**490**	14	1
Wet Chemistry	**SM 2540 G-1997**		%	%	
00111	**Moisture**	n.a.	**14.3**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/23/2014 23:20	Sarah A Guill	92.42
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/23/2014 23:43	Sarah A Guill	924.21
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201401633632	01/14/2014 15:45	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201401633632	01/14/2014 15:45	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201401633632	01/14/2014 15:45	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	14016A31B	01/23/2014 20:04	Laura M Krieger	9090.91
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201401633632	01/14/2014 15:45	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	140170014A	01/21/2014 13:49	Glorines Suarez-Rivera	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	140170014A	01/20/2014 08:45	Kerrie A Freeburn	1
00111	Moisture	SM 2540 G-1997	1	14017820001A	01/17/2014 19:48	Scott W Freisher	1

Quality Control Summary

Client Name: Kleinfelder
Group Number: 1446298
Reported: 01/27/14 at 05:51 PM

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: Q140231AA	Sample number(s): 7337616							
Acetone	< 1.0	1.0	mg/kg	100	86	23-171	15	30
Acrolein	< 5.0	5.0	mg/kg	92	85	50-137	7	30
Acrylonitrile	< 1.0	1.0	mg/kg	101	89	58-123	13	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	108	95	63-130	13	30
Benzene	< 0.25	0.25	mg/kg	107	95	80-120	11	30
Bromodichloromethane	< 0.25	0.25	mg/kg	106	93	75-120	13	30
Bromoform	< 0.25	0.25	mg/kg	108	94	70-120	14	30
Bromomethane	< 0.25	0.25	mg/kg	105	98	32-162	7	30
2-Butanone	< 0.50	0.50	mg/kg	106	92	38-146	14	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	107	97	60-149	10	30
n-Butylbenzene	< 0.25	0.25	mg/kg	101	90	72-120	12	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	106	93	75-120	12	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	108	98	69-122	9	30
Chlorobenzene	< 0.25	0.25	mg/kg	110	97	80-120	13	30
Chloroethane	< 0.25	0.25	mg/kg	102	98	17-171	4	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	107	95	44-137	12	30
Chloroform	< 0.25	0.25	mg/kg	111	98	80-120	12	30
Chloromethane	< 0.25	0.25	mg/kg	98	85	56-120	14	30
Dibromochloromethane	< 0.25	0.25	mg/kg	105	92	77-120	13	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	108	95	80-120	13	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	107	94	80-120	13	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	109	96	80-120	12	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	108	97	80-120	10	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	110	96	72-126	13	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	110	98	73-129	12	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	108	96	80-120	12	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	112	100	79-120	11	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	112	98	77-120	13	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	110	99	74-120	11	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	107	94	77-120	12	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	109	97	64-124	11	30
Ethylbenzene	< 0.25	0.25	mg/kg	108	95	80-120	12	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	111	99	68-128	12	30
Isopropylbenzene	< 0.25	0.25	mg/kg	107	95	76-120	12	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	103	90	75-120	13	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	108	94	69-126	14	30
Methylene Chloride	< 0.25	0.25	mg/kg	112	100	80-124	11	30
Naphthalene	< 0.25	0.25	mg/kg	102	90	59-123	12	30
n-Propylbenzene	< 0.25	0.25	mg/kg	109	96	77-120	13	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	110	90	71-123	20	30
Tetrachloroethene	< 0.25	0.25	mg/kg	109	97	78-126	11	30
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	111	99	71-125	11	30
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	110	96	80-120	14	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1446298
Reported: 01/27/14 at 05:51 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Trichloroethene	< 0.25	0.25	mg/kg	112	98	80-120	13	30
Trichlorofluoromethane	< 0.25	0.25	mg/kg	102	94	58-133	9	30
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	106	94	79-120	12	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	107	95	78-120	12	30
Vinyl Chloride	< 0.25	0.25	mg/kg	100	90	53-120	11	30
Xylene (Total)	< 0.25	0.25	mg/kg	107	94	80-120	13	30
Batch number: R140232AA	Sample number(s): 7337615-7337617							
Acetone	< 1.0	1.0	mg/kg	78	77	23-171	1	30
Acrolein	< 5.0	5.0	mg/kg	72	76	50-137	5	30
Acrylonitrile	< 1.0	1.0	mg/kg	79	76	58-123	3	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	100	99	63-130	0	30
Benzene	< 0.25	0.25	mg/kg	99	99	80-120	0	30
Bromodichloromethane	< 0.25	0.25	mg/kg	106	105	75-120	1	30
Bromoform	< 0.25	0.25	mg/kg	99	101	70-120	2	30
Bromomethane	< 0.25	0.25	mg/kg	127	125	32-162	2	30
2-Butanone	< 0.50	0.50	mg/kg	84	80	38-146	5	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	82	83	60-149	1	30
n-Butylbenzene	< 0.25	0.25	mg/kg	88	88	72-120	1	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	95	91	75-120	3	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	123*	118	69-122	4	30
Chlorobenzene	< 0.25	0.25	mg/kg	99	99	80-120	0	30
Chloroethane	< 0.25	0.25	mg/kg	130	134	17-171	3	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	86	87	44-137	1	30
Chloroform	< 0.25	0.25	mg/kg	112	108	80-120	3	30
Chloromethane	< 0.25	0.25	mg/kg	92	95	56-120	3	30
Dibromochloromethane	< 0.25	0.25	mg/kg	101	99	77-120	2	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	100	98	80-120	2	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	101	100	80-120	1	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	101	98	80-120	3	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	103	99	80-120	4	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	112	112	72-126	0	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	101	100	73-129	1	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	109	101	80-120	7	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	105	102	79-120	2	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	100	100	77-120	0	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	101	103	74-120	2	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	98	98	77-120	0	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	101	98	64-124	3	30
Ethylbenzene	< 0.25	0.25	mg/kg	97	98	80-120	1	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	98	94	68-128	4	30
Isopropylbenzene	< 0.25	0.25	mg/kg	99	99	76-120	0	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	94	91	75-120	3	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	102	99	69-126	3	30
Methylene Chloride	< 0.25	0.25	mg/kg	101	102	80-124	1	30
Naphthalene	< 0.25	0.25	mg/kg	89	88	59-123	1	30
n-Propylbenzene	< 0.25	0.25	mg/kg	96	94	77-120	2	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	91	89	71-123	2	30
Tetrachloroethene	< 0.25	0.25	mg/kg	102	101	78-126	2	30
Toluene	< 0.25	0.25	mg/kg	100	96	80-120	3	30
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	127*	114	71-125	11	30
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	96	96	80-120	1	30
Trichloroethene	< 0.25	0.25	mg/kg	105	106	80-120	0	30
Trichlorofluoromethane	< 0.25	0.25	mg/kg	124	122	58-133	1	30
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	99	99	79-120	0	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	98	98	78-120	0	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1446298
Reported: 01/27/14 at 05:51 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Vinyl Chloride	< 0.25	0.25	mg/kg	100	101	53-120	1	30
Xylene (Total)	< 0.25	0.25	mg/kg	97	97	80-120	0	30
Batch number: 14016A31A	Sample number(s): 7337615-7337616							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	80	84	67-120	4	30
Batch number: 14016A31B	Sample number(s): 7337617							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	80	84	67-120	4	30
Batch number: 140170014A	Sample number(s): 7337615-7337617							
TPH-DRO soil C10-C28 microwave	< 12	12.	mg/kg	98		76-120		
Batch number: 14017820001A	Sample number(s): 7337615-7337617							
Moisture				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 140170014A	Sample number(s): 7337615-7337617 UNSPK: P339242 BKG: P339242								
TPH-DRO soil C10-C28 microwave	99		35-129			29	120	122* (1)	20
Batch number: 14017820001A	Sample number(s): 7337615-7337617 BKG: P335550								
Moisture						19.8	21.7	9*	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL by 8260 (soil)
Batch number: Q140231AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7337616	90	91	89	98
Blank	94	94	92	93
LCS	106	107	104	107
LCSD	94	91	93	98
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TCL by 8260 (soil)
Batch number: R140232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7337615	93	88	87	88
7337617	94	89	91	92

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1446298
Reported: 01/27/14 at 05:51 PM

Surrogate Quality Control

Blank	105	100	97	92
LCS	109	100	97	95
LCSD	108	99	97	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO soil C6-C10
Batch number: 14016A31A

	Trifluorotoluene-F
7337615	285*
7337616	441*
Blank	91
LCS	89
LCSD	84
Limits:	50-142

Analysis Name: TPH-GRO soil C6-C10
Batch number: 14016A31B

	Trifluorotoluene-F
7337617	525*
Blank	85
LCS	89
LCSD	84
Limits:	50-142

Analysis Name: TPH-DRO soil C10-C28 microwave
Batch number: 140170014A

	Orthoterphenyl
7337615	82
7337616	87
7337617	105
Blank	104
DUP	94
LCS	100
MS	94
Limits:	52-136

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152 Group #: 1446298 Sample #: 7337615-17 7337620-22

Client: Southside Oil	Acct. #: 12152		
Project Name/#: 27235/ Annapolis	PWSID #:		
Project Address: 1000 Forest Drive, Annapolis, MD			
Project Manager: ~~Dan Trego~~ Mark Stea	P.O. #: 51141-288670		
Sampler: Tim Boswell	Quote #:		
Name of State where samples were collected: Maryland			

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable)	Matrix: Water (NPDES)	Matrix: Other	Total # of Containers	Full List VOCs 8260	TPH-GRO 8015	TPH-DRO 8015	BTEX (8260)	PCB (8082)	TCLP METALS (1311/6010)	Remarks
SP-4 (9-10)	1/14/14	1340	✓	✓	✓				6	1	1	1				
SP-5 (9-10)	1/14/14	1100	✓	✓	✓				6	1	1	1				
VF-7 (14-15)	1/14/14	1545	✓		✓				6	1	1	1				Cool

Analyses Requested / Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

Turnaround Time Requested (TAT) (please circle): Normal Rush
(Rush TAT is subject to Lancaster Laboratories approval and ~~surcharge~~.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

Data Package Options (please circle if required)
Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicated QC sample and submit triplicate volume)
Internal COC required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
	1/14/14	1900	cooler/box	1/14/14	1900
Cooler Room	1/15/14	13:33		1/15/14	13:33
	1/15/14	17:40			
				4/15/14	1740

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

1 of 1

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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

	Organic Qualifiers		Inorganic Qualifiers
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

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Analysis Report

ANALYTICAL RESULTS

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
1 Speen Street
Framingham MA 01701

January 28, 2014

Project: Southside Oil 27235

Submittal Date: 01/16/2014
Group Number: 1446550
PO Number: 51141-288670
State of Sample Origin: MD

Client Sample Description	Lancaster Labs (LL) #
VE-5(7-9) Grab Soil	7338760
SP-2(14-15) Grab Soil	7338761
VE-6(14-15) Grab Soil	7338762

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

ELECTRONIC COPY TO	Kleinfelder	Attn: Mark Steele
ELECTRONIC COPY TO	Kleinfelder	Attn: Angela Vogt
ELECTRONIC COPY TO	Kleinfelder	Attn: Venelda Williams
ELECTRONIC COPY TO	Kleinfelder	Attn: Don Trego

Respectfully Submitted,

Amek Carter
Specialist

(717) 556-7252

2425 New Holland Pike, Lancaster, PA 17601 • 717-656-2300 • Fax: 717-656-2681 • www.LancasterLabs.com

Sample Description: VE-5(7-9) Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7338760
LL Group # 1446550
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/15/2014 11:00 by TB

Submitted: 01/16/2014 17:35
Reported: 01/28/2014 18:49

Kleinfelder
1 Speen Street
Framingham MA 01701

APVE5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	Acetone	67-64-1	< 0.94	0.94	39.06
10237	Acrolein	107-02-8	< 4.7	4.7	39.06
10237	Acrylonitrile	107-13-1	< 0.94	0.94	39.06
10237	t-Amyl methyl ether	994-05-8	< 0.23	0.23	39.06
10237	**Benzene**	71-43-2	**2.5**	0.23	39.06
10237	Bromodichloromethane	75-27-4	< 0.23	0.23	39.06
10237	Bromoform	75-25-2	< 0.23	0.23	39.06
10237	Bromomethane	74-83-9	< 0.23	0.23	39.06
10237	2-Butanone	78-93-3	< 0.47	0.47	39.06
10237	t-Butyl alcohol	75-65-0	< 4.7	4.7	39.06
10237	**n-Butylbenzene**	104-51-8	**3.7**	0.23	39.06
10237	**sec-Butylbenzene**	135-98-8	**1.4**	0.23	39.06
10237	Carbon Tetrachloride	56-23-5	< 0.23	0.23	39.06
10237	Chlorobenzene	108-90-7	< 0.23	0.23	39.06
10237	Chloroethane	75-00-3	< 0.23	0.23	39.06
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.47	0.47	39.06
10237	Chloroform	67-66-3	< 0.23	0.23	39.06
10237	Chloromethane	74-87-3	< 0.23	0.23	39.06
10237	Dibromochloromethane	124-48-1	< 0.23	0.23	39.06
10237	1,2-Dichlorobenzene	95-50-1	< 0.23	0.23	39.06
10237	1,3-Dichlorobenzene	541-73-1	< 0.23	0.23	39.06
10237	1,4-Dichlorobenzene	106-46-7	< 0.23	0.23	39.06
10237	1,1-Dichloroethane	75-34-3	< 0.23	0.23	39.06
10237	1,2-Dichloroethane	107-06-2	< 0.23	0.23	39.06
10237	1,1-Dichloroethene	75-35-4	< 0.23	0.23	39.06
10237	cis-1,2-Dichloroethene	156-59-2	< 0.23	0.23	39.06
10237	trans-1,2-Dichloroethene	156-60-5	< 0.23	0.23	39.06
10237	1,2-Dichloropropane	78-87-5	< 0.23	0.23	39.06
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.23	0.23	39.06
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.23	0.23	39.06
10237	Ethyl t-butyl ether	637-92-3	< 0.23	0.23	39.06
10237	**Ethylbenzene**	100-41-4	**49**	2.3	390.63
10237	di-Isopropyl ether	108-20-3	< 0.23	0.23	39.06
10237	**Isopropylbenzene**	98-82-8	**4.7**	0.23	39.06
10237	**p-Isopropyltoluene**	99-87-6	**0.90**	0.23	39.06
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.23	0.23	39.06
10237	Methylene Chloride	75-09-2	< 0.23	0.23	39.06
10237	**Naphthalene**	91-20-3	**9.0**	0.23	39.06
10237	**n-Propylbenzene**	103-65-1	**14**	0.23	39.06
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.23	0.23	39.06
10237	Tetrachloroethene	127-18-4	< 0.23	0.23	39.06
10237	**Toluene**	108-88-3	**51**	2.3	390.63
10237	1,1,1-Trichloroethane	71-55-6	< 0.23	0.23	39.06
10237	1,1,2-Trichloroethane	79-00-5	< 0.23	0.23	39.06
10237	Trichloroethene	79-01-6	< 0.23	0.23	39.06
10237	Trichlorofluoromethane	75-69-4	< 0.23	0.23	39.06
10237	**1,2,4-Trimethylbenzene**	95-63-6	**82**	2.3	390.63
10237	**1,3,5-Trimethylbenzene**	108-67-8	**24**	2.3	390.63

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Analysis Report

Sample Description: VE-5(7-9) Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7338760
LL Group # 1446550
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/15/2014 11:00 by TB

Submitted: 01/16/2014 17:35
Reported: 01/28/2014 18:49

Kleinfelder
1 Speen Street
Framingham MA 01701

APVE5

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	Vinyl Chloride	75-01-4	< 0.23	0.23	39.06
10237	**Xylene (Total)**	1330-20-7	**220**	2.3	390.63
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**1,100**	110	2340.82
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**110**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**16.7**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/24/2014 00:07	Sarah A Guill	39.06
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/24/2014 00:30	Sarah A Guill	390.63
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201401733642	01/15/2014 11:00	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201401733642	01/15/2014 11:00	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201401733642	01/15/2014 11:00	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	14016A31B	01/23/2014 21:17	Laura M Krieger	2340.82
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201401733642	01/15/2014 11:00	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	140170014A	01/21/2014 15:17	Glorines Suarez-Rivera	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	140170014A	01/20/2014 08:45	Kerrie A Freeburn	1
00111	Moisture	SM 2540 G-1997	1	14017820002B	01/17/2014 20:13	Scott W Freisher	1

Sample Description: SP-2(14-15) Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7338761
LL Group # 1446550
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/15/2014 14:00 by TB

Submitted: 01/16/2014 17:35
Reported: 01/28/2014 18:49

Kleinfelder
1 Speen Street
Framingham MA 01701

APSP2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 1.2	1.2	51.65
10237	Acrolein	107-02-8	< 5.9	5.9	51.65
10237	Acrylonitrile	107-13-1	< 1.2	1.2	51.65
10237	t-Amyl methyl ether	994-05-8	< 0.30	0.30	51.65
10237	**Benzene**	71-43-2	**1.2**	0.30	51.65
10237	Bromodichloromethane	75-27-4	< 0.30	0.30	51.65
10237	Bromoform	75-25-2	< 0.30	0.30	51.65
10237	Bromomethane	74-83-9	< 0.30	0.30	51.65
10237	2-Butanone	78-93-3	< 0.59	0.59	51.65
10237	t-Butyl alcohol	75-65-0	< 5.9	5.9	51.65
10237	**n-Butylbenzene**	104-51-8	**0.40**	0.30	51.65
10237	sec-Butylbenzene	135-98-8	< 0.30	0.30	51.65
10237	Carbon Tetrachloride	56-23-5	< 0.30	0.30	51.65
10237	Chlorobenzene	108-90-7	< 0.30	0.30	51.65
10237	Chloroethane	75-00-3	< 0.30	0.30	51.65
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.59	0.59	51.65
10237	Chloroform	67-66-3	< 0.30	0.30	51.65
10237	Chloromethane	74-87-3	< 0.30	0.30	51.65
10237	Dibromochloromethane	124-48-1	< 0.30	0.30	51.65
10237	1,2-Dichlorobenzene	95-50-1	< 0.30	0.30	51.65
10237	1,3-Dichlorobenzene	541-73-1	< 0.30	0.30	51.65
10237	1,4-Dichlorobenzene	106-46-7	< 0.30	0.30	51.65
10237	1,1-Dichloroethane	75-34-3	< 0.30	0.30	51.65
10237	1,2-Dichloroethane	107-06-2	< 0.30	0.30	51.65
10237	1,1-Dichloroethene	75-35-4	< 0.30	0.30	51.65
10237	cis-1,2-Dichloroethene	156-59-2	< 0.30	0.30	51.65
10237	trans-1,2-Dichloroethene	156-60-5	< 0.30	0.30	51.65
10237	1,2-Dichloropropane	78-87-5	< 0.30	0.30	51.65
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.30	0.30	51.65
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.30	0.30	51.65
10237	Ethyl t-butyl ether	637-92-3	< 0.30	0.30	51.65
10237	**Ethylbenzene**	100-41-4	**2.7**	0.30	51.65
10237	**di-Isopropyl ether**	108-20-3	**0.41**	0.30	51.65
10237	**Isopropylbenzene**	98-82-8	**0.36**	0.30	51.65
10237	p-Isopropyltoluene	99-87-6	< 0.30	0.30	51.65
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.30	0.30	51.65
10237	Methylene Chloride	75-09-2	< 0.30	0.30	51.65
10237	**Naphthalene**	91-20-3	**1.1**	0.30	51.65
10237	**n-Propylbenzene**	103-65-1	**1.4**	0.30	51.65
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.30	0.30	51.65
10237	Tetrachloroethene	127-18-4	< 0.30	0.30	51.65
10237	**Toluene**	108-88-3	**5.2**	0.30	51.65
10237	1,1,1-Trichloroethane	71-55-6	< 0.30	0.30	51.65
10237	1,1,2-Trichloroethane	79-00-5	< 0.30	0.30	51.65
10237	Trichloroethene	79-01-6	< 0.30	0.30	51.65
10237	Trichlorofluoromethane	75-69-4	< 0.30	0.30	51.65
10237	**1,2,4-Trimethylbenzene**	95-63-6	**8.2**	0.30	51.65
10237	**1,3,5-Trimethylbenzene**	108-67-8	**2.4**	0.30	51.65

Sample Description: SP-2(14-15) Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7338761
LL Group # 1446550
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/15/2014 14:00 by TB

Submitted: 01/16/2014 17:35
Reported: 01/28/2014 18:49

Kleinfelder
1 Speen Street
Framingham MA 01701

APSP2

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**mg/kg**	**mg/kg**	
10237	Vinyl Chloride	75-01-4	< 0.30	0.30	51.65
10237	**Xylene (Total)**	1330-20-7	**13**	0.30	51.65
GC Volatiles	**SW-846 8015B**		**mg/kg**	**mg/kg**	
01637	**TPH-GRO soil C6-C10**	n.a.	**790**	91	1992.03
GC Miscellaneous	**SW-846 8015B**		**mg/kg**	**mg/kg**	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**83**	14	1
Wet Chemistry	**SM 2540 G-1997**		**%**	**%**	
00111	**Moisture**	n.a.	**12.9**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/24/2014 00:53	Sarah A Guill	51.65
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201401733642	01/15/2014 14:00	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201401733642	01/15/2014 14:00	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201401733642	01/15/2014 14:00	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	14016A31B	01/23/2014 21:54	Laura M Krieger	1992.03
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201401733642	01/15/2014 14:00	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	140170014A	01/21/2014 15:39	Glorines Suarez-Rivera	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	140170014A	01/20/2014 08:45	Kerrie A Freeburn	1
00111	Moisture	SM 2540 G-1997	1	14017820002B	01/17/2014 20:13	Scott W Freisher	1

Sample Description: VE-6(14-15) Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7338762
LL Group # 1446550
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/15/2014 15:45 by TB

Submitted: 01/16/2014 17:35
Reported: 01/28/2014 18:49

Kleinfelder
1 Speen Street
Framingham MA 01701

APVE6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Acetone	67-64-1	< 0.97	0.97	37.48
10237	Acrolein	107-02-8	< 4.9	4.9	37.48
10237	Acrylonitrile	107-13-1	< 0.97	0.97	37.48
10237	t-Amyl methyl ether	994-05-8	< 0.24	0.24	37.48
10237	**Benzene**	71-43-2	**6.7**	0.24	37.48
10237	Bromodichloromethane	75-27-4	< 0.24	0.24	37.48
10237	Bromoform	75-25-2	< 0.24	0.24	37.48
10237	Bromomethane	74-83-9	< 0.24	0.24	37.48
10237	2-Butanone	78-93-3	< 0.49	0.49	37.48
10237	t-Butyl alcohol	75-65-0	< 4.9	4.9	37.48
10237	**n-Butylbenzene**	104-51-8	**3.0**	0.24	37.48
10237	**sec-Butylbenzene**	135-98-8	**1.1**	0.24	37.48
10237	Carbon Tetrachloride	56-23-5	< 0.24	0.24	37.48
10237	Chlorobenzene	108-90-7	< 0.24	0.24	37.48
10237	Chloroethane	75-00-3	< 0.24	0.24	37.48
10237	2-Chloroethyl Vinyl Ether	110-75-8	< 0.49	0.49	37.48
10237	Chloroform	67-66-3	< 0.24	0.24	37.48
10237	Chloromethane	74-87-3	< 0.24	0.24	37.48
10237	Dibromochloromethane	124-48-1	< 0.24	0.24	37.48
10237	1,2-Dichlorobenzene	95-50-1	< 0.24	0.24	37.48
10237	1,3-Dichlorobenzene	541-73-1	< 0.24	0.24	37.48
10237	1,4-Dichlorobenzene	106-46-7	< 0.24	0.24	37.48
10237	1,1-Dichloroethane	75-34-3	< 0.24	0.24	37.48
10237	1,2-Dichloroethane	107-06-2	< 0.24	0.24	37.48
10237	1,1-Dichloroethene	75-35-4	< 0.24	0.24	37.48
10237	cis-1,2-Dichloroethene	156-59-2	< 0.24	0.24	37.48
10237	trans-1,2-Dichloroethene	156-60-5	< 0.24	0.24	37.48
10237	1,2-Dichloropropane	78-87-5	< 0.24	0.24	37.48
10237	cis-1,3-Dichloropropene	10061-01-5	< 0.24	0.24	37.48
10237	trans-1,3-Dichloropropene	10061-02-6	< 0.24	0.24	37.48
10237	Ethyl t-butyl ether	637-92-3	< 0.24	0.24	37.48
10237	**Ethylbenzene**	100-41-4	**19**	2.4	374.81
10237	**di-Isopropyl ether**	108-20-3	**1.5**	0.24	37.48
10237	**Isopropylbenzene**	98-82-8	**2.5**	0.24	37.48
10237	**p-Isopropyltoluene**	99-87-6	**0.82**	0.24	37.48
10237	Methyl Tertiary Butyl Ether	1634-04-4	< 0.24	0.24	37.48
10237	Methylene Chloride	75-09-2	< 0.24	0.24	37.48
10237	**Naphthalene**	91-20-3	**4.9**	0.24	37.48
10237	**n-Propylbenzene**	103-65-1	**8.2**	0.24	37.48
10237	1,1,2,2-Tetrachloroethane	79-34-5	< 0.24	0.24	37.48
10237	Tetrachloroethene	127-18-4	< 0.24	0.24	37.48
10237	**Toluene**	108-88-3	**55**	2.4	374.81
10237	1,1,1-Trichloroethane	71-55-6	< 0.24	0.24	37.48
10237	1,1,2-Trichloroethane	79-00-5	< 0.24	0.24	37.48
10237	Trichloroethene	79-01-6	< 0.24	0.24	37.48
10237	Trichlorofluoromethane	75-69-4	< 0.24	0.24	37.48
10237	**1,2,4-Trimethylbenzene**	95-63-6	**55**	2.4	374.81
10237	**1,3,5-Trimethylbenzene**	108-67-8	**17**	2.4	374.81

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Analysis Report

Sample Description: VE-6(14-15) Grab Soil
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

LL Sample # SW 7338762
LL Group # 1446550
Account # 12152

Project Name: Southside Oil 27235

Collected: 01/15/2014 15:45 by TB

Submitted: 01/16/2014 17:35
Reported: 01/28/2014 18:49

Kleinfelder
1 Speen Street
Framingham MA 01701

APVE6

CAT No.	Analysis Name	CAS Number	Dry Result	Dry Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		mg/kg	mg/kg	
10237	Vinyl Chloride	75-01-4	< 0.24	0.24	37.48
10237	**Xylene (Total)**	1330-20-7	**100**	2.4	374.81
GC Volatiles	**SW-846 8015B**		mg/kg	mg/kg	
01637	**TPH-GRO soil C6-C10**	n.a.	**1,100**	90	1727.12
GC Miscellaneous	**SW-846 8015B**		mg/kg	mg/kg	
10941	**TPH-DRO soil C10-C28 microwave**	n.a.	**68**	15	1
Wet Chemistry	**SM 2540 G-1997**		%	%	
00111	**Moisture**	n.a.	**22.9**	0.50	1

Moisture represents the loss in weight of the sample after oven drying at 103 - 105 degrees Celsius. The moisture result reported is on an as-received basis.

General Sample Comments

All QC is compliant unless otherwise noted. Please refer to the Quality Control Summary for overall QC performance data and associated samples.

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/24/2014 01:40	Sarah A Guill	37.48
10237	VOCs 8260 Kleinfelder Full	SW-846 8260B	1	R140232AA	01/24/2014 02:03	Sarah A Guill	374.81
07579	GC/MS-5g Field Preserv.MeOH-NC	SW-846 5035A	1	201401733642	01/15/2014 15:45	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	1	201401733642	01/15/2014 15:45	Client Supplied	1
02392	L/H Field Preserved Bisulfate	SW-846 5035A	2	201401733642	01/15/2014 15:45	Client Supplied	1
01637	TPH-GRO soil C6-C10	SW-846 8015B	1	14016A31B	01/23/2014 22:30	Laura M Krieger	1727.12
06647	GC-5g Field Preserved MeOH	SW-846 5035A	1	201401733642	01/15/2014 15:45	Client Supplied	n.a.
10941	TPH-DRO soil C10-C28 microwave	SW-846 8015B	1	140170014A	01/21/2014 16:01	Glorines Suarez-Rivera	1
10942	Microwave Extraction-DRO soils	SW-846 3546	1	140170014A	01/20/2014 08:45	Kerrie A Freeburn	1
00111	Moisture	SM 2540 G-1997	1	14017820002B	01/17/2014 20:13	Scott W Freisher	1

Quality Control Summary

Client Name: Kleinfelder
Reported: 01/28/14 at 06:49 PM

Group Number: 1446550

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Laboratory Compliance Quality Control

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: R140232AA	Sample number(s): 7338760-7338762							
Acetone	< 1.0	1.0	mg/kg	78	77	23-171	1	30
Acrolein	< 5.0	5.0	mg/kg	72	76	50-137	5	30
Acrylonitrile	< 1.0	1.0	mg/kg	79	76	58-123	3	30
t-Amyl methyl ether	< 0.25	0.25	mg/kg	100	99	63-130	0	30
Benzene	< 0.25	0.25	mg/kg	99	99	80-120	0	30
Bromodichloromethane	< 0.25	0.25	mg/kg	106	105	75-120	1	30
Bromoform	< 0.25	0.25	mg/kg	99	101	70-120	2	30
Bromomethane	< 0.25	0.25	mg/kg	127	125	32-162	2	30
2-Butanone	< 0.50	0.50	mg/kg	84	80	38-146	5	30
t-Butyl alcohol	< 5.0	5.0	mg/kg	82	83	60-149	1	30
n-Butylbenzene	< 0.25	0.25	mg/kg	88	88	72-120	1	30
sec-Butylbenzene	< 0.25	0.25	mg/kg	95	91	75-120	3	30
Carbon Tetrachloride	< 0.25	0.25	mg/kg	123*	118	69-122	4	30
Chlorobenzene	< 0.25	0.25	mg/kg	99	99	80-120	0	30
Chloroethane	< 0.25	0.25	mg/kg	130	134	17-171	3	30
2-Chloroethyl Vinyl Ether	< 0.50	0.50	mg/kg	86	87	44-137	1	30
Chloroform	< 0.25	0.25	mg/kg	112	108	80-120	3	30
Chloromethane	< 0.25	0.25	mg/kg	92	95	56-120	3	30
Dibromochloromethane	< 0.25	0.25	mg/kg	101	99	77-120	2	30
1,2-Dichlorobenzene	< 0.25	0.25	mg/kg	100	98	80-120	2	30
1,3-Dichlorobenzene	< 0.25	0.25	mg/kg	101	100	80-120	1	30
1,4-Dichlorobenzene	< 0.25	0.25	mg/kg	101	98	80-120	3	30
1,1-Dichloroethane	< 0.25	0.25	mg/kg	103	99	80-120	4	30
1,2-Dichloroethane	< 0.25	0.25	mg/kg	112	112	72-126	0	30
1,1-Dichloroethene	< 0.25	0.25	mg/kg	101	100	73-129	1	30
cis-1,2-Dichloroethene	< 0.25	0.25	mg/kg	109	101	80-120	7	30
trans-1,2-Dichloroethene	< 0.25	0.25	mg/kg	105	102	79-120	2	30
1,2-Dichloropropane	< 0.25	0.25	mg/kg	100	100	77-120	0	30
cis-1,3-Dichloropropene	< 0.25	0.25	mg/kg	101	103	74-120	2	30
trans-1,3-Dichloropropene	< 0.25	0.25	mg/kg	98	98	77-120	0	30
Ethyl t-butyl ether	< 0.25	0.25	mg/kg	101	98	64-124	3	30
Ethylbenzene	< 0.25	0.25	mg/kg	97	98	80-120	1	30
di-Isopropyl ether	< 0.25	0.25	mg/kg	98	94	68-128	4	30
Isopropylbenzene	< 0.25	0.25	mg/kg	99	99	76-120	0	30
p-Isopropyltoluene	< 0.25	0.25	mg/kg	94	91	75-120	3	30
Methyl Tertiary Butyl Ether	< 0.25	0.25	mg/kg	102	99	69-126	3	30
Methylene Chloride	< 0.25	0.25	mg/kg	101	102	80-124	1	30
Naphthalene	< 0.25	0.25	mg/kg	89	88	59-123	1	30
n-Propylbenzene	< 0.25	0.25	mg/kg	96	94	77-120	2	30
1,1,2,2-Tetrachloroethane	< 0.25	0.25	mg/kg	91	89	71-123	2	30
Tetrachloroethene	< 0.25	0.25	mg/kg	102	101	78-126	2	30
Toluene	< 0.25	0.25	mg/kg	100	96	80-120	3	30
1,1,1-Trichloroethane	< 0.25	0.25	mg/kg	127*	114	71-125	11	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder Group Number: 1446550
Reported: 01/28/14 at 06:49 PM

Analysis Name	Blank Result	Blank LOQ	Report Units	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,1,2-Trichloroethane	< 0.25	0.25	mg/kg	96	96	80-120	1	30
Trichloroethene	< 0.25	0.25	mg/kg	105	106	80-120	0	30
Trichlorofluoromethane	< 0.25	0.25	mg/kg	124	122	58-133	1	30
1,2,4-Trimethylbenzene	< 0.25	0.25	mg/kg	99	99	79-120	0	30
1,3,5-Trimethylbenzene	< 0.25	0.25	mg/kg	98	98	78-120	0	30
Vinyl Chloride	< 0.25	0.25	mg/kg	100	101	53-120	1	30
Xylene (Total)	< 0.25	0.25	mg/kg	97	97	80-120	0	30
Batch number: 14016A31B	Sample number(s): 7338760-7338762							
TPH-GRO soil C6-C10	< 1.0	1.0	mg/kg	80	84	67-120	4	30
Batch number: 140170014A	Sample number(s): 7338760-7338762							
TPH-DRO soil C10-C28 microwave	< 12	12.	mg/kg	98		76-120		
Batch number: 14017820002B	Sample number(s): 7338760-7338762							
Moisture				100		99-101		

Sample Matrix Quality Control

Unspiked (UNSPK) = the sample used in conjunction with the matrix spike
Background (BKG) = the sample used in conjunction with the duplicate

Analysis Name	MS %REC	MSD %REC	MS/MSD Limits	RPD	RPD MAX	BKG Conc	DUP Conc	DUP RPD	Dup RPD Max
Batch number: 140170014A	Sample number(s): 7338760-7338762 UNSPK: P339242 BKG: P339242								
TPH-DRO soil C10-C28 microwave	99		35-129			29	120	122* (1)	20
Batch number: 14017820002B	Sample number(s): 7338760-7338762 BKG: 7338760								
Moisture						16.7	17.0	2	5

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TCL by 8260 (soil)
Batch number: R140232AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
7338760	91	86	89	97
7338761	88	81	82	80
7338762	83	79	80	86
Blank	105	100	97	92
LCS	109	100	97	95
LCSD	108	99	97	99
Limits:	50-141	54-135	52-141	50-131

Analysis Name: TPH-GRO soil C6-C10
Batch number: 14016A31B

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Group Number: 1446550
Reported: 01/28/14 at 06:49 PM

Surrogate Quality Control

	Trifluorotoluene-F
7338760	338*
7338761	235*
7338762	283*
Blank	85
LCS	89
LCSD	84
Limits:	50-142

Analysis Name: TPH-DRO soil C10-C28 microwave
Batch number: 140170014A

	Orthoterphenyl
7338760	84
7338761	88
7338762	93
Blank	104
DUP	94
LCS	100
MS	94
Limits:	52-136

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 1446550 Sample #: 7338760-62

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	~~Don Trego~~ Mark Steele	P.O. #:	51141-288670
Sampler:	Tim Boswell	Quote #:	
Name of State where samples were collected:	Maryland		

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Water (Potable)	Matrix: Water (NPDES)	Matrix: Other	Total # of Containers	Full List VOCs 8260	TPH-GRO 8015	TPH-DRO 8015	BTEX (8260)	PCB (8082)	TCLP METALS (1311/6010)	Remarks
VE-5(7-9)	1/15/14	1100	✓		✓				6	1	1	1				Cooler TB
SP-2(14-15)	1/15/14	1400	✓		✓				6	1	1	1				
VE-6(14-15)	1/15/14	1545	✓		✓				6	1	1	1				

Analyses Requested / Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

Turnaround Time Requested (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)
Date results are needed:
Rush results requested by (please circle): Phone Fax E-mail
Phone #: Fax #:
E-mail address:

Data Package Options (please circle if required)
Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicated QC sample and submit triplicate volume)
Internal COC required? Yes No

Relinquished by:	Date	Time	Received by:	Date	Time
[signature]	1/15/14	1900	cooler room	1/15/14	1900
Cooler room	1/16/14	1300	[signature]	1/16/14	1300
[signature]	1/16/14	1730			
			[signature]	1/16/14	1735

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300

Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

1 of 1

eurofins | Lancaster Laboratories Environmental

Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

RL	Reporting Limit	**BMQL**	Below Minimum Quantitation Level
N.D.	none detected	**MPN**	Most Probable Number
TNTC	Too Numerous To Count	**CP Units**	cobalt-chloroplatinate units
IU	International Units	**NTU**	nephelometric turbidity units
umhos/cm	micromhos/cm	**ng**	nanogram(s)
C	degrees Celsius	**F**	degrees Fahrenheit
meq	milliequivalents	**lb.**	pound(s)
g	gram(s)	**kg**	kilogram(s)
µg	microgram(s)	**mg**	milligram(s)
mL	milliliter(s)	**L**	liter(s)
m3	cubic meter(s)	**µL**	microliter(s)
		pg/L	picogram/liter

< less than - The number following the sign is the limit of quantitation, the smallest amount of analyte which can be reliably determined using this specific test.

> greater than

ppm parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg), or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.

ppb parts per billion

Dry weight basis Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Data Qualifiers:

C – result confirmed by reanalysis.

J - estimated value – The result is ≥ the Method Detection Limit (MDL) and < the Limit of Quantitation (LOQ).

U.S. EPA CLP Data Qualifiers:

Organic Qualifiers		Inorganic Qualifiers	
A	TIC is a possible aldol-condensation product	**B**	Value is <CRDL, but ≥IDL
B	Analyte was also detected in the blank	**E**	Estimated due to interference
C	Pesticide result confirmed by GC/MS	**M**	Duplicate injection precision not met
D	Compound quantitated on a diluted sample	**N**	Spike sample not within control limits
E	Concentration exceeds the calibration range of the instrument	**S**	Method of standard additions (MSA) used for calculation
N	Presumptive evidence of a compound (TICs only)	**U**	Compound was not detected
P	Concentration difference between primary and confirmation columns >25%	**W**	Post digestion spike out of control limits
U	Compound was not detected	*	Duplicate analysis not within control limits
X,Y,Z	Defined in case narrative	+	Correlation coefficient for MSA <0.995

Analytical test results meet all requirements of NELAC unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff. This report shall not be reproduced except in full, without the written approval of the laboratory.

Times are local to the area of activity. Parameters listed in the 40 CFR part 136 Table II as "analyze immediately" are not performed within 15 minutes.

WARRANTY AND LIMITS OF LIABILITY - In accepting analytical work, we warrant the accuracy of test results for the sample as submitted. THE FOREGOING EXPRESS WARRANTY IS EXCLUSIVE AND IS GIVEN IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED. WE DISCLAIM ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING A WARRANTY OF FITNESS FOR PARTICULAR PURPOSE AND WARRANTY OF MERCHANTABILITY. IN NO EVENT SHALL EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL, LLC BE LIABLE FOR INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES INCLUDING, BUT NOT LIMITED TO, DAMAGES FOR LOSS OF PROFIT OR GOODWILL REGARDLESS OF (A) THE NEGLIGENCE (EITHER SOLE OR CONCURRENT) OF EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL AND (B) WHETHER EUROFINS LANCASTER LABORATORIES ENVIRONMENTAL HAS BEEN INFORMED OF THE POSSIBILITY OF SUCH DAMAGES. We accept no legal responsibility for the purposes for which the client uses the test results. No purchase order or other order for work shall be accepted by Eurofins Lancaster Laboratories Environmental which includes any conditions that vary from the Standard Terms and Conditions, and Eurofins Lancaster Laboratories Environmental hereby objects to any conflicting terms contained in any acceptance or order submitted by client.

KLEINFELDER
Bright People. Right Solutions.

APPENDIX D

City of Annapolis Permits

PERMIT # GRD14-0009

FOR

1000 FOREST DR

ANNAPOLIS, MARYLAND

ISSUE DATE: 02/10/2015 **EXPIRATION DATE: 8/10/2015**

THIS PERMIT IS ISSUED AS PER REGULATIONS SET FORTH IN ZONING AND BUILDING CODE ORDINANCES ADOPTED AND APPROVED BY THE CITY OF ANNAPOLIS, ANNAPOLIS, MARYLAND

PARTIAL LOT GRADING

AS PER APPROVED DRAWINGS

OWNER: JAPAN PLUS FOUR LLC,
PHONE:

CONTRACTOR: ODYSSEY ENVIRONMENTAL SERVICES
PHONE: (717) 561-0013

THE APPROVED DRAWINGS OR SUBMITTALS ISSUED WITH THIS PERMIT MUST REMAIN ON THE JOB SITE AT ALL TIMES FOR INSPECTOR REVIEW OR YOU MAY BE SUBJECT TO ENFORCEMENT ACTION AND/OR PENALTY.

INSPECTOR: Matt Waters

(410) 260-2200

NO CONSTRUCTION WORK OR MACHINERY SHALL START PRIOR TO 7:00 A.M. AND SHALL FINISH NO LATER THAN DUSK, AND THERE SHOULD BE NO OUTSIDE SUNDAY WORK UNLESS APPROVED OTHERWISE.

PERMIT # BLD15-0110

FOR

1000 FOREST DR

ANNAPOLIS, MARYLAND

This permit is void unless construction for which the permit has been issued is commenced within a period of 45 days after issuance or if the authorized work is suspended or abandoned for a period of 60 days after the time of commencing the work.

ISSUE DATE: 04/21/2015 **EXPIRATION DATE: 4/20/2017**

THIS PERMIT IS ISSUED AS PER REGULATIONS SET FORTH IN ZONING AND BUILDING CODE ORDINANCES ADOPTED AND APPROVED BY THE CITY OF ANNAPOLIS, ANNAPOLIS, MARYLAND

COMMERCIAL ACCESSORY

AS PER APPROVED DRAWINGS

OWNER: JAPAN PLUS FOUR LLC,

PHONE: (410) 268-6855

CONTRACTOR: ODYSSEY ENVIRONMENTAL SERVICES

PHONE: (717) 561-0013

THE APPROVED DRAWINGS OR SUBMITTALS ISSUED WITH THIS PERMIT MUST REMAIN ON THE JOB SITE AT ALL TIMES FOR INSPECTOR REVIEW OR YOU MAY BE SUBJECT TO ENFORCEMENT ACTION AND/OR PENALTY.

INSPECTOR: Steven Andrews

(410) 260-2200

NO CONSTRUCTION WORK OR MACHINERY SHALL START PRIOR TO 7:00 A.M. AND SHALL FINISH NO LATER THAN DUSK, AND THERE SHOULD BE NO OUTSIDE SUNDAY WORK UNLESS APPROVED OTHERWISE.

PERMIT # FEN15-0021

FOR

1000 FOREST DR

ANNAPOLIS, MARYLAND

THIS PERMIT MUST BE POSTED AND VISIBLE FROM STREET WITHIN 24 HOURS OF ISSUANCE.

ISSUE DATE: 04/21/2015 **EXPIRATION DATE: 08/19/2015**

THIS PERMIT IS ISSUED AS PER REGULATIONS SET FORTH IN ZONING AND BUILDING CODE ORDINANCES ADOPTED AND APPROVED BY THE CITY OF ANNAPOLIS, ANNAPOLIS, MARYLAND

NEW WORK FENCE

AS PER APPROVED DRAWINGS

OWNER: JAPAN PLUS FOUR LLC,
PHONE: (410) 268-6855

CONTRACTOR: ODYSSEY ENVIRONMENTAL SERVICES
PHONE: (717) 561-0013

THE APPROVED DRAWINGS OR SUBMITTALS ISSUED WITH THIS PERMIT MUST REMAIN ON THE JOB SITE AT ALL TIMES FOR INSPECTOR REVIEW OR YOU MAY BE SUBJECT TO ENFORCEMENT ACTION AND/OR PENALTY.

INSPECTOR: Chris Hall

(410) 263-7946

NO CONSTRUCTION WORK OR MACHINERY SHALL START PRIOR TO 7:00 A.M. AND SHALL FINISH NO LATER THAN DUSK, AND THERE SHOULD BE NO OUTSIDE SUNDAY WORK UNLESS APPROVED OTHERWISE.

KLEINFELDER
Bright People. Right Solutions.

APPENDIX E

Waste Manifests

CLEANEARTH

Manifest # 983081

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☒ Tons ☐ Yards	INBOUND 83500 lb LOOP ID 983081
Southside Oil, LLC 1000 Forest Drive Annapolis, MD 21230	TARE WEIGHT: ☒ Tons ☐ Yards	4-15-2015 8:44AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT: ☒ Tons ☐ Yards	29.89

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Paxton Wentz FOR: Southside Oil LLC Title: Geologist

Signature: [signature] FOR: Southside Oil LLC Date and Time: 15APR2015 / 0730

TRANSPORTER

Company: Progressive Group Phone Number: _____

Address: _____ Truck # and License Plate: 249689 PG-2

Driver: JOE SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4/15/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983082

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 71960 lb LOOP ID 983082
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 8:53AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	
	☒ Tons ☐ Yards	23.32

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Paton Wentz FOR: Southside Oil LLC Title: Geologist

Signature: [signature] FOR: Southside Oil LLC Date and Time: 15APR2015/0745

TRANSPORTER

Company: VICC Dump Masters Phone Number: 571-263-9543

Address: 5903 Backlick St Annandale VA Truck # and License Plate: 202 / 223855

Driver: Madison Bray SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-15-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-15-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983083

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- x☐ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	x☐Tons ☐Yards	INBOUND 70520 lb LOAD ID 983083
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	x☐Tons ☐Yards	4-15-2015 9:06AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	
	x☐Tons ☐Yards	21.86

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Ryan Wentz FOR: Southside Oil LLC Title: Geologist

Signature: [signature] FOR: Southside Oil LLC Date and Time: 15APR2015/0800

TRANSPORTER

Company: VACC Phone Number: 2703460260

Address: 5903 EUCLID ST Truck # and License Plate: 303 248D79

Driver: JOHN POLLARD SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-15-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-15-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983084

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☒ ☐ Clean Earth of Greater Washington
6250 Dower House Road
Upper Marlboro, MD 20772
Ph: 301-599-0939

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:
Southside Oil, LLC
1000 Forest Drive
Annapolis, MD 21230
GENERATOR'S PHONE: **813-654-7789**

GROSS WEIGHT: ☒ Tons ☐ Yards — INBOUND 78920 lb LOAD ID 980384
TARE WEIGHT: ☒ Tons ☐ Yards — 4-15-2015 9:30AM
NET WEIGHT: ☒ Tons ☐ Yards — 24.92

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION
Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Payton Hebb FOR: Southside Oil LLC Title: Geologist
Signature: Payton Hebb FOR: Southside Oil LLC Date and Time: 15APR2015/0815

TRANSPORTER

Company: EASY MONEY TRUCKING #593 Phone Number: 843)957-4453
Address: 6502 Edgerton DR Lanham MD Truck # and License Plate: E50440P MD
Driver: EASY Money (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 4/15/15 9:

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 4/15/15 9:20pm

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983085

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 74580 lb
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 9:45AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	
	☒ Tons ☐ Yards	24.21

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Patrick Wentz FOR: Southside Oil LLC Title: Geologist

Signature: [signature] FOR: Southside Oil LLC Date and Time: 15APR2015/0830

TRANSPORTER

Company: The Progressive Group Phone Number: 440-508-9430

Address: _____ Truck # and License Plate: P-L 271ED26 MD.

Driver: M. Tillman (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4/15/15

I hereby certify that the above named material has been accepted at the above-referenced facility.

Authorized Signature: [signature] Date and Time: 4/15

FACILITY

CLEANEARTH

Manifest # 983086

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 83600 lb
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 10:58AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT: ☒ Tons ☐ Yards	28.94

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Paolo Wentz FOR: Southside Oil LLC Title: Geologist

Signature: [signature] FOR: Southside Oil LLC Date and Time: 15APR2015 / 0930

TRANSPORTER

Company: Progressive Group Phone Number:

Address: Truck # and License Plate: 24 589 PC-2

Driver: JOE SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: JC Date and Time: 4/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4/15/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4/15

FACILITY

CLEANEARTH

Manifest # 983087

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 73720 lb
1000 Forest Drive	TARE WEIGHT:	LOAD ID 983087
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 11:06AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	
	☒ Tons ☐ Yards	2420

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Paxton Werts FOR: Southside O.I LLC Title: Geologist

Signature: [signature] FOR: Southside O.I LLC Date and Time: 15APR2015/0945

TRANSPORTER

Company: VACC DUMP MASTERS Phone Number: 571-263-9543

Address: 5903 EUCLID ST Owensville md Truck # and License Plate: 282 / 223559

Driver: MADISON BROWN (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-15-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-15-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983088

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 68440 lb
1000 Forest Drive	TARE WEIGHT:	LOOP ID 923033
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 11:25AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	
	☒ Tons ☐ Yards	20.62

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Parker Wentz FOR: Southside Oil LLC Title: Geologist

Signature: FOR: Southside Oil LLC Date and Time: 15APR2015

TRANSPORTER

Company: VACC Phone Number: 2403460260

Address: 5903 EUCLID ST Truck # and License Plate: 303 249D79

Driver: JOHN POLLARD (Type or Print Clearly) SW Haulers Permit #: _____ (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: John Pollard Date and Time: 4-15-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: John Pollard Date and Time: 4-15-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983089

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other _____

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 72440 lb LOOP ID 983089
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 11:49AM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	
	☒ Tons ☐ Yards	21.48.

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Paxton Wurtz FOR: Southside Oil LLC Title: Geologist

Signature: FOR: Southside Oil LLC Date and Time: 15APR2015 / 1030

TRANSPORTER

#513

Company: EASYMONEY TRUCKING Phone Number: 843 957-4455

Address: 6502 Elkerton Dr. Hanahan SC Truck # and License Plate: MD E50440D

Driver: EASYMONEY SW Haulers Permit #: _____

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: _____ Date and Time: 10:34 4/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: _____ Date and Time: 1:37pm 4/15/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 4-15

FACILITY

CLEANEARTH

Manifest # 983090

GLOBAL JOB NUMBER: 135209 FACILITY APPROVAL NUMBER: 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-6909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 73480 lb
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	☒ Tons ☐ Yards	4-15-2015 12:17PM
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT: ☒ Tons ☐ Yards	23.51

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: [illegible] FOR: Southside Oil LLC Title: Geologist

Signature: [illegible] FOR: Southside Oil LLC Date and Time: 15 APR 2015 / 1100

TRANSPORTER

Company: The Progressive Group Phone Number: 240-508-9430

Address: Truck # and License Plate: PA 33 ED 96

Driver: [illegible] (Type or Print Clearly) SW Haulers Permit #: (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [illegible] Date and Time: 4/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [illegible] Date and Time: 4/15/15

I hereby certify that the above named material has been accepted at the above-referenced facility.

Authorized Signature: [illegible] Date and Time: 4/15

FACILITY

CLEANEARTH

Manifest # 983092

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	
Southside Oil, LLC	☒ Tons ☐ Yards	INBOUND 60100 lb
1000 Forest Drive	TARE WEIGHT:	LOOP ID 983092
Annapolis, MD 21230	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	4-15-2015 1:00PM
	☒ Tons ☐ Yards	17.39

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Non-Hazardous Soil Split [redacted] Load (N?) Clean UP.

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Parker Wentz FOR Southside Oil LLC Title: Geologist

Signature: [signature] FOR Southside Oil LLC Date and Time: 15APR2015 / 1200

TRANSPORTER

Company: Mac Dump Masters Phone Number: 571-263-9543

Address: 5903 Euclid ST Cheverly MD Truck # and License Plate: 202 / 223 & 59

Driver: Madison Braun SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-15-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-15-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 915

FACILITY

CLEANEARTH

Manifest # 983091

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 153190032

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Clean Earth of Greater Washington, 6250 Dower House Road, Upper Marlboro, MD 20772, Ph: 301-599-0939
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700
- ☐ Other

INBOUND 57680 lb
LOOP ID 983091

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT:	4-15-2015 1:20PM
Southside Oil, LLC	☒ Tons ☐ Yards	
1000 Forest Drive	TARE WEIGHT:	
Annapolis, MD 21230	☒ Tons ☐ Yards	
GENERATOR'S PHONE: 813-654-7789	NET WEIGHT:	15.98
	☒ Tons ☐ Yards	

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION SPLIT LOAD

Non-Hazardous Soil

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Pasha Wente FOR: Southside Oil LLC Title: Geologist

Signature: [signature] FOR: Southside Oil LLC Date and Time: 15APR2015

TRANSPORTER

Company: Progressive Group Phone Number:

Address: Truck # and License Plate: 249 6881 PG-2

Driver: JOE SW Haulers Permit #:

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: JC Date and Time: 4/15/15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4/15/15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4/15

FACILITY

CLEANEARTH

Manifest #: 820723

GLOBAL JOB NUMBER: 135209 FACILITY APPROVAL NUMBER: 15190038

Please Check One:

- ☐ Clean Earth of Carteret, 24 Middlesex Avenue, Carteret, NJ 07008, Ph: 732-541-8909
- ☐ Clean Earth of Maryland, 1469 Oak Ridge Place, Hagerstown, MD 21740, Ph: 301-791-6220
- ☐ Clean Earth of New Castle, 94 Pyles Lane, New Castle, DE 19720, Ph: 302-427-6633
- ☒ Other CEGW
- ☐ Clean Earth of Philadelphia, 3201 S. 61st Street, Philadelphia, PA 19153, Ph: 215-724-5520
- ☐ Clean Earth of North Jersey, 115 Jacobus Avenue, Kearny, NJ 07032, Ph: 973-344-4004
- ☐ Clean Earth of Southeast Pennsylvania, 7 Steel Road East, Morrisville, PA 19067, Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS: Samside Oil LLC 1000 Forest Drive Annapolis	GROSS WEIGHT: ☐Tons ☐Yards	INBOUND 63420 lb LOAD ID 820723
	TARE WEIGHT: ☐Tons ☐Yards	4-22-2015 11:29AM
GENERATOR'S PHONE: 410-850-0401	NET WEIGHT: ☐Tons ☐Yards	14.46

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum Impacted Soil Generated by trenching activities

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Samside Oil LLC (Brianne Witman) Title: Engineer

Signature: Brianne Witman on behalf of Samside Oil LLC Date and Time: 4-22-15

TRANSPORTER

Company: Cheetah Services Phone Number: 410-840-7999

Address: 850 Fsk Hwy Edgewater MD Truck # and License Plate: 1964 1BLED Co

Driver: D Eggers (Type or Print Clearly) SW Haulers Permit #: 11874 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-22-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-22-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4-22

FACILITY

CLEANEARTH

Manifest # 610808

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 15314003B

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☒ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6290

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☒ Other CEGW

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	INBOUND 71340 lb
FORMER SOUTHSIDE FACILITY # 27235		
1000 FOREST DRIVE	TARE WEIGHT: ☐Tons ☐Yards	4-23-2015 2:22PM
ANNAPOLIS MD		
GENERATOR'S PHONE: 724-610-8115	NET WEIGHT: ☐Tons ☐Yards	17.26

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Jobsite: SOIL WITH GAS READINGS **NON-HAZ CONTAMINATED SOIL**

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: BRIAN PROJECT ON BEHALF OF SOUTHSIDE Title: CONTRACTOR

Signature: [signature] Date and Time: 4-21-15

TRANSPORTER

Company: CHEETAH SERVICES Phone Number: 410-840-3777

Address: 830 FSK HWY KEYMAR MD Truck # and License Plate: [redacted] 181 EDCO

Driver: DENNIS (Type or Print Clearly) SW Haulers Permit #: 19631 1874 (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-21-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-23-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: [signature] Date and Time: 4-23

FACILITY

CLEANEARTH

Manifest # 820721

GLOBAL JOB NUMBER: 135209 **FACILITY APPROVAL NUMBER:** 15190038

Please Check One:

☐ Clean Earth of Carteret
24 Middlesex Avenue
Carteret, NJ 07008
Ph: 732-541-8909

☐ Clean Earth of Maryland
1469 Oak Ridge Place
Hagerstown, MD 21740
Ph: 301-791-6220

☐ Clean Earth of New Castle
94 Pyles Lane
New Castle, DE 19720
Ph: 302-427-6633

☒ Other CEGU

☐ Clean Earth of Philadelphia
3201 S. 61st Street
Philadelphia, PA 19153
Ph: 215-724-5520

☐ Clean Earth of North Jersey
115 Jacobus Avenue
Kearny, NJ 07032
Ph: 973-344-4004

☐ Clean Earth of Southeast Pennsylvania
7 Steel Road East
Morrisville, PA 19067
Ph: 215-428-1700

Non-Hazardous Material Manifest

(Type or Print Clearly)

GENERATOR'S NAME & SITE ADDRESS:	GROSS WEIGHT: ☐Tons ☐Yards	INBOUND 51800 lb LOAD ID 820721
Southside Oil LLC 1000 Forest Drive Annapolis MD	TARE WEIGHT: ☐Tons ☐Yards	
GENERATOR'S PHONE: 410-850-0400	NET WEIGHT: ☐Tons ☐Yards	4-23-2015 4:08PM 11.49

DESCRIPTION OF MATERIAL/SAMPLE ID AND LOCATION

Petroleum impacted soil generated by trenching activities

GENERATOR'S CERTIFICATION – Incomplete and/or unsigned manifests will cause the load to be delayed and/or rejected.

I hereby certify that the above named material does not contain free liquid as defined by 40 CFR Part 260.10 or any applicable state law, is not a hazardous waste as defined by 40 CFR Part 261 or any applicable state law, is not a DOT hazardous substance as defined by 49 CFR Part 172 or any applicable state law, has been fully and accurately described above, classified, packaged and is in proper condition for transportation according to all applicable state and federal regulations.

Name: Southside Oil LLC (Brianna Steinfeldt) Title: Engineer

Signature: Brianna Steinfeldt (on behalf of Southside Oil LLC) Date and Time: 4-23-15

TRANSPORTER

Company: CHESTAH SERVICES Phone Number: 410-840-7777

Address: 830 Elk Mill Rd Elkton MD Truck # and License Plate: [redacted] / BIEDCO

Driver: DEACON SW Haulers Permit #: 1963 / 11824

(Type or Print Clearly) (applicable state permit #)

I hereby certify that the above named material was picked up at the site listed above.

Driver Signature: [signature] Date and Time: 4-23-15

DESTINATION

I hereby certify that the above named material was delivered without incident to the facility noted above.

Driver Signature: [signature] Date and Time: 4-23-15

I hereby certify that the above named material has been accepted at the above referenced facility.

Authorized Signature: _____ Date and Time: 4-23

FACILITY

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APPENDIX F

Soil Boring and Well Construction Logs

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1340 Charwood Road, Suite I
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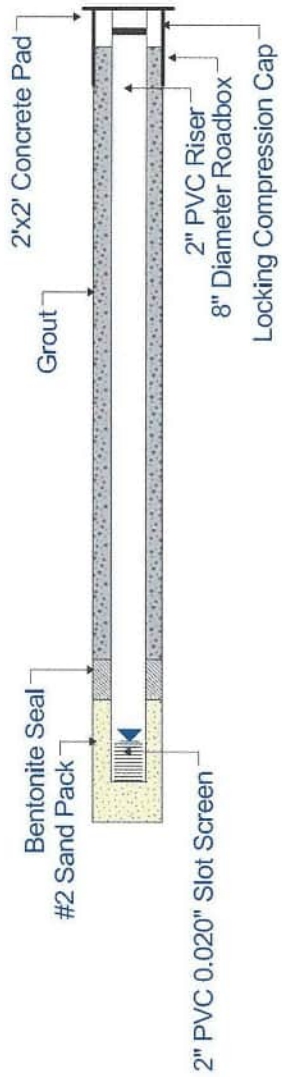
DRILLING LOG
Well No. SP-2

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

Start Date: 01/14/2014
End Date: 01/15/2014
Total Hole Depth: 20'
Hole Diameter: 4.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): ~18'
Water Level (Static):
Logged By (Geol.): TB

Permit No.: AA-13-0438
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE			SAMPLE					
Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0 6000	Well Completion Details	Depth (feet)
0		Ground Surface						0
0		Asphalt						0
1		Concrete						1
2		***SP*** Green brown, moist, silty fine SAND, medium dense, non-plastic				5.4		2
3								3
4						46.9		4
5						74.1		5
6		***ML*** Green brown, moist, fine sandy SILT, firm, low plasticity						6
7						80.2		7
8								8
9						117.4		9
10						568.9		10
11		***SP*** Green brown, moist, silty fine SAND, medium dense, non-plastic						11
12						714.4		12
13								13
14						1,477		14
15			SP-2 (14-15)			567.4		15
16		***ML*** Green brown, moist, fine sandy SILT, firm, medium plasticity						16
17						108.1		17
18								18
19						49.3		19
20		***CL*** Blue gray, moist, fat CLAY, very soft						20
20		End of Borehole						20
21								21
22								22
23								23
24								24
25								25
26								26



VOC - Volatile Organic Compound
NA - Not Applicable
NS - Not Sampled
NR - Not Recorded
NM - Not Measured
NE - Not Encountered
bgs - below ground surface
ppm - parts per million
USCS - Unified Soil Classification System

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DRILLING LOG
Well No. SP-3

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

Start Date: 01/13/2014
End Date: 01/16/2014
Total Hole Depth: 20'
Hole Diameter: 4.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): ~18.5'
Water Level (Static): 16.82'
Logged By (Geol.): TB

Permit No.: AA-13-0439
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE			SAMPLE					
Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0 6000	Well Completion Details	Depth (feet)
0		Ground Surface					2'x2' Concrete Pad; Grout; 2" PVC Riser; 8" Diameter Roadbox; Locking Compression Cap; Bentonite Seal; #2 Sand Pack; 2" PVC 0.020" Slot Screen	0
1		Grass						1
2		***ML*** Brown, moist, fine sandy SILT, firm, non-plastic				10.4		2
3								3
4		***ML*** Green brown, moist, fine sandy SILT, firm, non-plastic				9.4		4
5						18.6		5
6								6
7						19.4		7
8								8
9						26.9		9
10						248.7		10
11								11
12						1,082		12
13								13
14						1,732		14
15			SP-3 (14-15)			1,211		15
16		***SP*** Green brown, moist, silty fine SAND, loose, non-plastic						16
17						678.4		17
18								18
19						61.4		19
20		***CL*** Blue gray, moist, fat CLAY, very soft, high-plasticity						20
21								21
22		End of Borehole						22
23								23
24								24
25								25
26								26

VOC - Volatile Organic Compound
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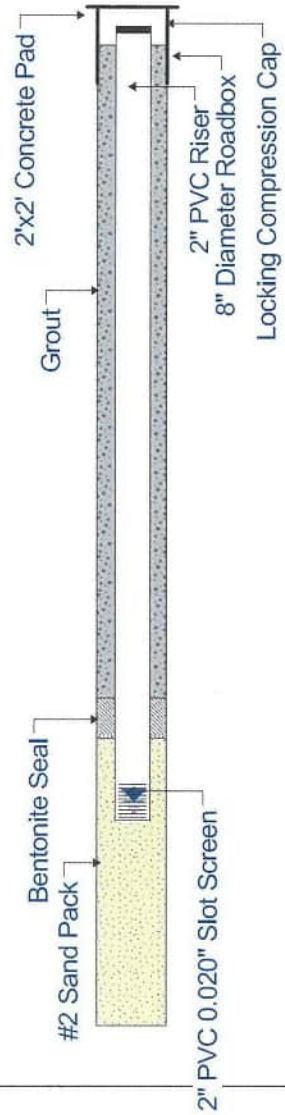
DRILLING LOG
Well No. SP-4

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

Start Date: 01/13/2014
End Date: 01/14/2014
Total Hole Depth: 25'
Hole Diameter: 4.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): ~19.5'
Water Level (Static): 17.79'
Logged By (Geol.): TB

Permit No.: AA-13-0440
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE			SAMPLE					
Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0 6000	Well Completion Details	Depth (feet)
0		Ground Surface						0
0		Topsoil						0
1		**ML** Green brown, moist, fine sandy SILT, firm, low plasicity				10.4		1
2								2
3						59.8		3
4								4
5						204.9		5
6								6
7		**SP** Green brown, moist, fine SAND, loose, non-plastic				1,743		7
8								8
9		**ML** Green brown, moist, fine sandy SILT, firm, low plasticity				2,306		9
10			SP-4 (9-10)			2,068		10
11								11
12						1,990		12
13								13
14						1,399		14
15						982.6		15
16								16
17						497.3		17
18								18
19						101.4		19
20						59.3		20
20		**CL** Blue gray, moist, fat CLAY, very soft, high-plasticity						20
21						26.4		21
22								22
23								23
24						10.8		24
25		**SP** Green brown, wet, coarse SAND, loose						25
26								26



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NR - Not Recorded
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NE - Not Encountered
bgs - below ground surface
ppm - parts per million
USCS - Unified Soil Classification System

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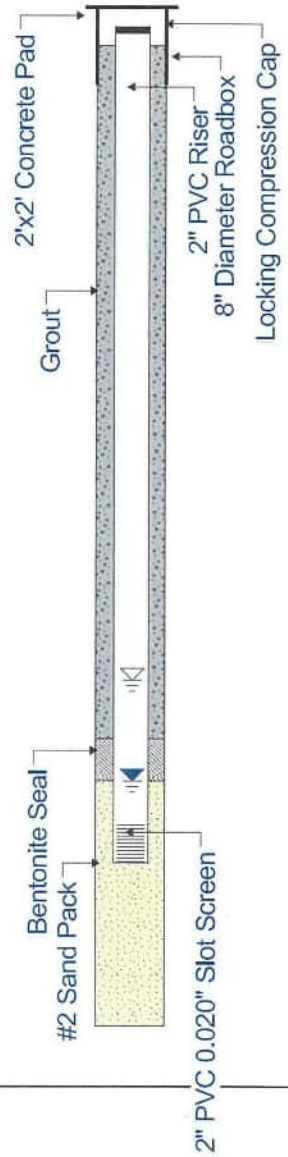
DRILLING LOG
Well No. SP-5

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

Start Date: 01/13/2014
End Date: 01/14/2014
Total Hole Depth: 25'
Hole Diameter: 4.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): ~19'
Water Level (Static): 16.54'
Logged By (Geol.): TB

Permit No.: AA-13-0441
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE			SAMPLE					
Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0 6000	Well Completion Details	Depth (feet)
0		Ground Surface						0
0		Topsoil						0
1		***ML*** Green brown, moist, fine sandy SILT, firm, low plasicity				6.8		1
2								2
3						45.7		3
4						672.9		4
5		***SP*** Green brown, moist, fine SAND with silt, medium dense, non-plastic						5
6						1,324		6
7								7
8						1,948		8
9		***ML*** Brown, moist, sandy SILT, firm, medium plasticity	SP-5 (9-10)					9
10						1,782		10
11								11
12						1,661		12
13		***SP*** Green brown, moist, fine SAND, loose, non-plastic						13
14						1,163		14
15		***ML*** Green brown, moist, sandy SILT, firm, medium plasticity				924.6		15
16								16
17						742.1		17
18								18
19						694.1		19
20						278.6		20
21								21
22		***CL*** Blue green, fat CLAY, very soft, high plasticity				59.2		22
23								23
24						14.3		24
25		***SP*** Green brown, wet, coarse SAND						25
26		End of Borehole						26



VOC - Volatile Organic Compound
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NR - Not Recorded
NM - Not Measured
NE - Not Encountered
bgs - below ground surface
ppm - parts per million
USCS - Unified Soil Classification System

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Hanover, MD 21076

DRILLING LOG
Well No. VE-5

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

Start Date: 01/14/2014
End Date: 01/15/2014
Total Hole Depth: 15'
Hole Diameter: 6.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): NE
Water Level (Static): NE
Logged By (Geol.): TB

Permit No.: AA-13-0447
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE | **SAMPLE**

Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0–6000	Well Completion Details	Depth (feet)
0		Ground Surface						0
0		Asphalt						0
1		Concrete						1
1–15		***SP*** Green brown, moist, medium to fine silty SAND, medium dense, non-plastic	VE-5 (7-9)			10.6; 21.2; 1,246; 2,091; 1,988; 1,208; 1,038	2'x2' Concrete Pad; Grout; Bentonite Seal; #2 Sand Pack; 4" PVC Riser; 8" Diameter Roadbox; Locking Compression Cap; 4" PVC 0.020" Slot Screen	1–15
15		End of Borehole						15
16–20								16–20

VOC - Volatile Organic Compound
NA - Not Applicable
NS - Not Sampled
NR - Not Recorded
NM - Not Measured
NE - Not Encountered
bgs - below ground surface
ppm - parts per million
USCS - Unified Soil Classification System

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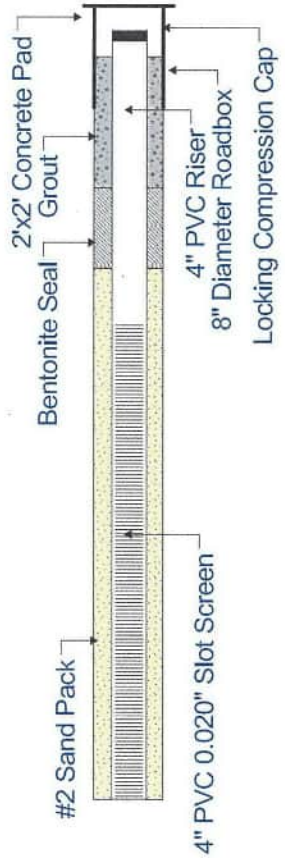
DRILLING LOG
Well No. VE-6

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

Start Date: 01/13/2014
End Date: 01/15/2014
Total Hole Depth: 15'
Hole Diameter: 6.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): NE
Water Level (Static): NE
Logged By (Geol.): TB

Permit No.: AA-13-0448
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE			SAMPLE					
Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0 – 6000	Well Completion Details	Depth (feet)
0		Ground Surface						0
		Topsoil						
1		***SP*** Green brown, moist, medium to fine silty SAND, medium dense, non-plastic				1.0		1
2								2
3								3
4						20.8		4
5								5
6								6
7						65.5		7
8								8
9						120.8		9
10								10
11		***ML*** Green brown, moist, fine sandy SILT, firm, medium plasicity						11
12						339.2		12
13								13
14		***SP*** Green brown, moist, fine silty SAND, medium dense, non-plastic	VE-6 (14-15)			230.7		14
15		End of Borehole						15
16								16
17								17
18								18
19								19
20								20



VOC - Volatile Organic Compound
NA - Not Applicable
NS - Not Sampled
NR - Not Recorded
NM - Not Measured
NE - Not Encountered
bgs - below ground surface
ppm - parts per million
USCS - Unified Soil Classification System

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DRILLING LOG
Well No. VE-7

Project Name: Former Southside Facility # 27235
Site Location: 1000 Forest Drive, Annapolis, MD
Kleinfelder Project No: 113847
Client: Southside Oil, LLC
Drilling Company: Odyssey Environmental Services Inc.
Driller: Luke Hanmer
Drill Rig Type: Geoprobe 7730DT
Drilling Method: Direct Push/Hollow-stem auger
Sampling Method: Hand auger/Macro-core

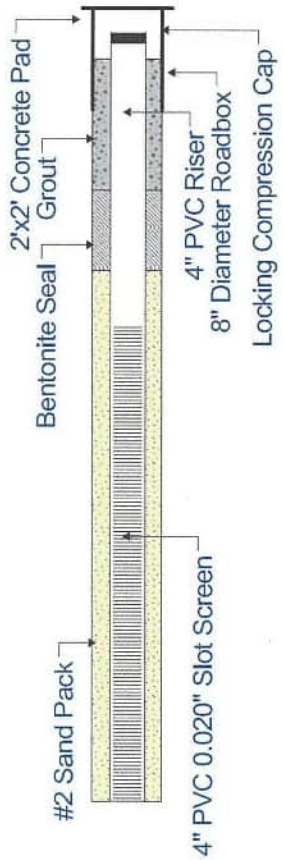
Start Date: 01/13/2014
End Date: 01/15/2014
Total Hole Depth: 15'
Hole Diameter: 6.25"
Depth to Bedrock: NE
Top-Of-Casing Elevation: TBD
Water Level (Initial): NE
Water Level (Static): NE
Logged By (Geol.): TB

Permit No.: AA-13-0449
License No.: JGD100
Checked By: PW
Notes: Pre-cleared to 5' bgs

SUBSURFACE PROFILE | **SAMPLE**

Depth (feet)	Graphic Log	USCS Code Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	VOC (ppm) 0 – 6000
0		Ground Surface				
0		Grass				
1–3		**ML** Green brown, most, fine sandy SILT, firm, medium plasticity				7.4
4–6		**CL** Green brown, moist, CLAY, hard, medium plasticity				11.2, 105.0
7–8		**SP** Green brown, moist, fine SAND, loose, non-plastic				679.4
9–14		**ML** Green brown, moist, fine sandy SILT, firm, low plasticity	VE-7 (14-15)			1,026, 1,184, 1,492
15		End of Borehole				

Well Completion Details



Depth (feet) 0–20

VOC - Volatile Organic Compound
NA - Not Applicable
NS - Not Sampled
NR - Not Recorded
NM - Not Measured
NE - Not Encountered
bgs - below ground surface
ppm - parts per million
USCS - Unified Soil Classification System

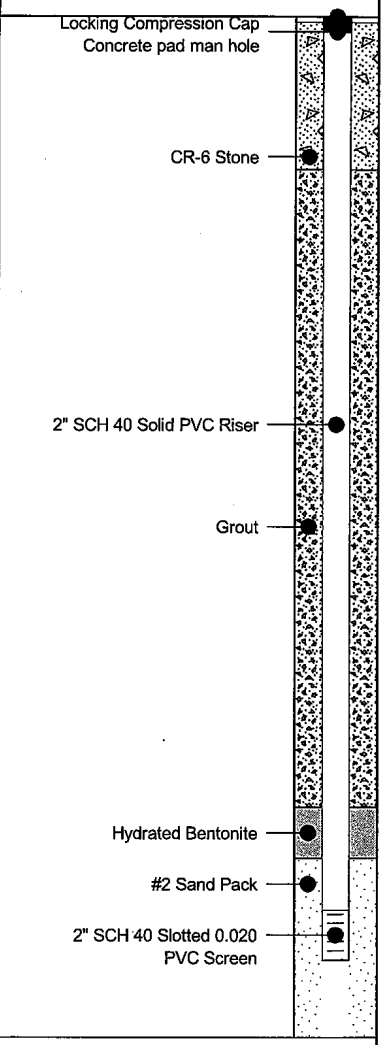
Date Begin - End:	4/21/2015	**Drilling Company:**	Odyssey Environmental Services, Inc.
Logged By:	T. Boswell	**Drill Crew:**	L. Hanmer
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Geoprobe 7828DT
Plunge:	-90 degrees	**Drilling Method:**	Direct Push Sleeves/HSA
Weather:	60°-70° Clear	**Borehole Diameter:**	6.25 in. O.D.

MONITORING WELL LOG SP-6

Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID (ppmv)	VOC	Graphical Log	Lithologic Description
								Surface Condition: Open Excavation
0	Open Excavation							Open Excavation
5	Direct Push Sleeves							Modified CR-6 backfill
								Backfill, #57 Stone (Gravel)
10				24"	501.2			**Clayey Fine SAND:** green brown, moist, loose
				12"	382.4			
15				24"	200.4			
				24"	88.7			
▽				12"	0.9			**Fat CLAY**: blue, moist
20								

MONITORING WELL CONSTRUCTION

Completion Method:
8" bolted steel manhole set in 2' x 2' Concrete Pad



The borehole was terminated at approximately 20 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 18 ft. below ground surface during drilling.

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PROJECT NO.:	113847
DRAWN BY:	NML
CHECKED BY:	BW
DATE:	5/1/2015
REVISED:	-

MONITORING WELL LOG SP-6

Former Southside Facility #27235
1000 Forest Drive
Annapolis MD

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PLOTTED: 07/17/2015 02:07 PM BY: NLandry
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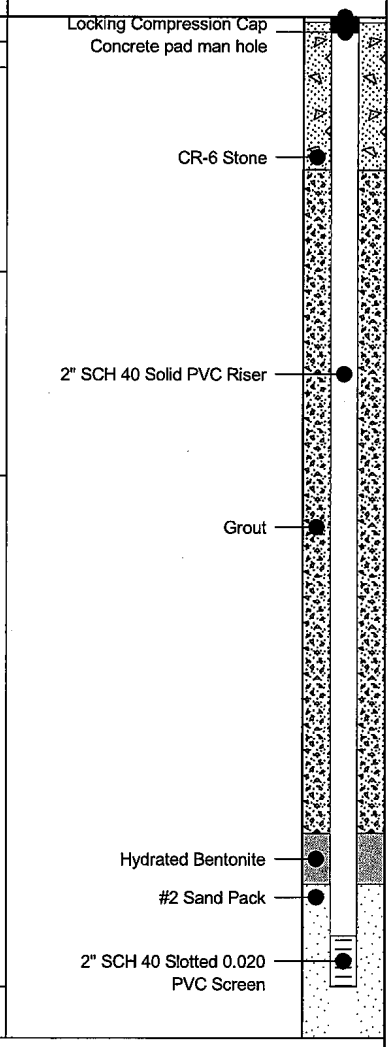
Date Begin - End:	4/17/2015 - 4/22/2015	**Drilling Company:**	Odyssey Environmental Services, Inc.
Logged By:	T. Boswell	**Drill Crew:**	L. Hanmer
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Geoprobe 7828DT
Plunge:	-90 degrees	**Drilling Method:**	Direct Push Sleeves/HSA
Weather:	70° Clear	**Borehole Diameter:**	6.25 in. O.D.

MONITORING WELL LOG SP-7

FIELD EXPLORATION | MONITORING WELL CONSTRUCTION

Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID (ppmv)	VOC	Graphical Log	Lithologic Description
								Surface Condition: Asphalt
								ASPHALT
								CONCRETE
	Air Knife/HSA			6"	0.0			**Silty Fine CLAY**: low plasticity, green brown, moist
				6"	0.2			
				6"	0.9			
				6"	13.6			
5				24"	113.0			**Silty Fine SAND**: non-plastic, green brown, moist, loose
				24"	298.7			
				12"	450.6			**Clayey Fine SAND**: green brown, moist, loose
10				24"	318.4			
	Direct Push Sleeves			24"	370.3			
				12"	291.7			
15				24"	90.6			
				24"	18.3			
▽								
				12"	0.8			**Fat CLAY**: blue, moist
20								

Completion Method:
8" bolted steel manhole set in 2' x 2' Concrete Pad



The borehole was terminated at approximately 20 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 18 ft. below ground surface during drilling.

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PROJECT NO.:	113847
DRAWN BY:	NML
CHECKED BY:	BW
DATE:	5/1/2015
REVISED:	-

MONITORING WELL LOG SP-7

Former Southside Facility #27235
1000 Forest Drive
Annapolis MD

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PLOTTED: 07/17/2015 02:07 PM BY: NLandry
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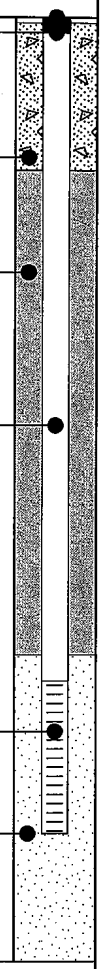
Date Begin - End:	4/21/2015	**Drilling Company:**	Odyssey Environmental Services, Inc.
Logged By:	T. Boswell	**Drill Crew:**	L. Hanmer
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Geoprobe 7828DT
Plunge:	-90 degrees	**Drilling Method:**	Direct Push Sleeves/HSA
Weather:	60°-70° Clear	**Borehole Diameter:**	8.25 in. O.D.

MONITORING WELL LOG VE-2

FIELD EXPLORATION | MONITORING WELL CONSTRUCTION

Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID (ppmv)	VOC	Graphical Log	Lithologic Description
								Surface Condition: Open Excavation
	Open Excavation							Open Excavation
								Modified CR-6 backfill
5								Backfill, #57 Stone (Gravel)
	Direct Push Sleeves			24"	429.6			**Clayey Fine SAND**: green brown, moist, loose
				12"	198.7			
15				24"	50.6			
				18"	10.9			
▽								
20								

Completion Method:
8" bolted steel manhole set in 2' x 2' Concrete Pad



The borehole was terminated at approximately 18.5 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
▽ Groundwater was observed at approximately 18 ft. below ground surface during drilling.

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PROJECT NO.:	113847
DRAWN BY:	NML
CHECKED BY:	BW
DATE:	5/1/2015
REVISED:	-

MONITORING WELL LOG VE-2

Former Southside Facility #27235
1000 Forest Drive
Annapolis MD

KLEINFELDER - 1340 Charwood Road, Suite I | Hanover, MD 21076 | PH: 410.850.0404 | FAX: 410.850.0049 | www.kleinfelder.com

PLOTTED: 07/17/2015 02:07 PM BY: NLandry
gINT FILE: PROJECTWISE: Sso27235_constructionswells_april2015.gpj
gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [KLF_ENVIRONMENTAL LOG]

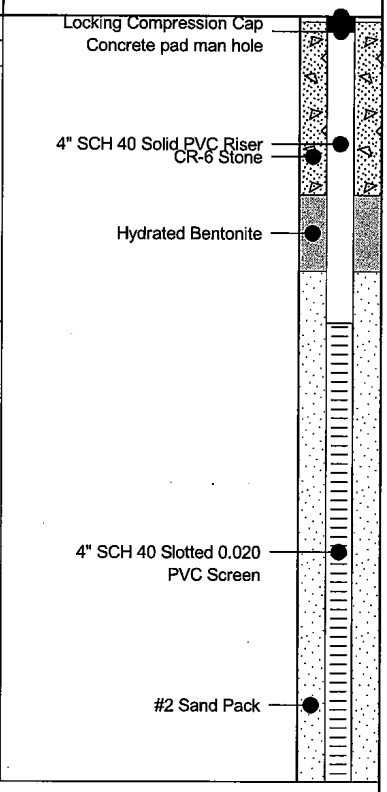
Date Begin - End:	4/20/2015 - 4/21/2015	**Drilling Company:**	Odyssey Environmental Services Inc.
Logged By:	T. Boswell	**Drill Crew:**	L. Hanmer
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Geoprobe 7828DT
Plunge:	-90 degrees	**Drilling Method:**	Direct Push Sleeves/HSA
Weather:	60°-70° Clear	**Borehole Diameter:**	8.25 in. O.D.

MONITORING WELL LOG VE-3

FIELD EXPLORATION | MONITORING WELL CONSTRUCTION

Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID (ppmv)	VOC	Graphical Log	Lithologic Description
								Surface Condition: Asphalt
	Air Knife/HSA			6"	0.0			**ASPHALT**
								CONCRETE
				6"	0.0			**Silty CLAY**: low plasticity, green brown, moist, firm
				6"	0.0			
				6"	10.8			
5				24"	405.9			
								Silty Fine SAND: green brown, moist, loose
				24"	337.0			
								Silty CLAY: low plasticity, green brown, moist, firm
	Direct Push Sleeves			12"	334.0			
10				24"	211.8			**Clayey SAND**: green brown, moist, loose
				24"	415.6			
				12"	298.7			
15								
20								

Completion Method:
8" bolted steel manhole set in 2' x 2' Concrete Pad



The borehole was terminated at approximately 15 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
Groundwater was not encountered during drilling or after completion.

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PROJECT NO.:	113847
DRAWN BY:	NML
CHECKED BY:	BW
DATE:	5/1/2015
REVISED:	-

MONITORING WELL LOG VE-3

Former Southside Facility #27235
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Annapolis MD

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gINT TEMPLATE: PROJECTWISE: KLF_STANDARD_GINT_LIBRARY_2015.GLB [KLF_ENVIRONMENTAL LOG]

Date Begin - End:	4/17/2015 - 4/22/2015	**Drilling Company:**	Odyssey Environmental Services, Inc.	**MONITORING WELL LOG VE-4**
Logged By:	T. Boswell	**Drill Crew:**	L. Hanmer	
Hor.-Vert. Datum:	Not Available	**Drilling Equipment:**	Geoprobe 7828DT	
Plunge:	-90 degrees	**Drilling Method:**	Direct Push Sleeves/HSA	
Weather:	70° Clear	**Borehole Diameter:**	8.25 in. O.D.	

Depth (feet)	Drilling Method	Sample Type	Sample Number	Recovery (NR=No Recovery)	PID (ppmv)	VOC	Graphical Log	Surface Condition: Asphalt / Lithologic Description	MONITORING WELL CONSTRUCTION
									Completion Method: 8" bolted steel manhole set in 2' x 2' Concrete Pad
								ASPHALT	Locking Compression Cap
								CONCRETE	Concrete pad man hole
	Air Knife/HSA			6"	0.0			**Silty Fine CLAY**: low plasticity, green brown, moist	
				6"	0.0				CR-6 Stone
				6"	0.8				4" SCH 40 Solid PVC Riser
				6"	10.9				
5				24"	115.3			**Silty Fine SAND**: non-plastic, green brown, moist, loose	Hydrated Bentonite
				24"	349.8			**Silty CLAY**: low plasticity, green brown, moist, firm	
				12"	326.1				
10	Direct Push Sleeves			24"	286.4				4" SCH 40 Slotted 0.020 PVC Screen
				24"	115.6			**Clayey Fine SAND**: green brown, moist, loose	
				12"	207.0				#2 Sand Pack
15									
20									

The borehole was terminated at approximately 15 ft. below ground surface.

GROUNDWATER LEVEL INFORMATION:
Groundwater was not encountered during drilling or after completion.

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PROJECT NO.:	113847
DRAWN BY:	NML
CHECKED BY:	BW
DATE:	5/1/2015
REVISED:	-

MONITORING WELL LOG VE-4

Former Southside Facility #27235
1000 Forest Drive
Annapolis MD

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SAMPLE/SAMPLER TYPE GRAPHICS

WELL MATERIAL GRAPHICS



- Locking Compression Cap
- SAND
- SLOTTED SCREEN
- SOLID WALL PIPE

WELL BACKFILL MATERIAL GRAPHICS



- BENTONITE
- CONCRETE
- PORTLAND CEMENT-GROUT
- SAND

GROUND WATER GRAPHICS

- WATER LEVEL (level where first observed)
- WATER LEVEL (level after exploration completion)
- WATER LEVEL (additional levels after exploration)
- OBSERVED SEEPAGE

NOTES

- The report and graphics key are an integral part of these logs. All data and interpretations in this log are subject to the explanations and limitations stated in the report.
- Lines separating strata on the logs represent approximate boundaries only. Actual transitions may be gradual or differ from those shown.
- No warranty is provided as to the continuity of soil or rock conditions between individual sample locations.
- Logs represent general soil or rock conditions observed at the point of exploration on the date indicated.
- In general, Unified Soil Classification System designations presented on the logs were based on visual classification in the field and were modified where appropriate based on gradation and index property testing.
- Fine grained soils that plot within the hatched area on the Plasticity Chart, and coarse grained soils with between 5% and 12% passing the No. 200 sieve require dual USCS symbols, ie., GW-GM, GP-GM, GW-GC, GP-GC, GC-GM, SW-SM, SP-SM, SW-SC, SP-SC, SC-SM.
- If sampler is not able to be driven at least 6 inches then 50/X indicates number of blows required to drive the identified sampler X inches with a 140 pound hammer falling 30 inches.

Abbreviations

PID - Photoionization Detector

UNIFIED SOIL CLASSIFICATION SYSTEM (ASTM D 2487)

COARSE GRAINED SOILS (More than half of material is larger than the #200 sieve)	**GRAVELS** (More than half of coarse fraction is larger than the #4 sieve)	CLEAN GRAVEL WITH <5% FINES	Cu≥4 and 1≤Cc≤3	**GW**	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
			Cu<4 and/ or 1>Cc>3	**GP**	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE OR NO FINES
		GRAVELS WITH 5% TO 12% FINES	Cu≥4 and 1≤Cc≤3	**GW-GM**	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
				GW-GC	WELL-GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
			Cu<4 and/ or 1>Cc>3	**GP-GM**	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE FINES
				GP-GC	POORLY GRADED GRAVELS, GRAVEL-SAND MIXTURES WITH LITTLE CLAY FINES
		GRAVELS WITH > 12% FINES		**GM**	SILTY GRAVELS, GRAVEL-SILT-SAND MIXTURES
				GC	CLAYEY GRAVELS, GRAVEL-SAND-CLAY MIXTURES
				GC-GM	CLAYEY GRAVELS, GRAVEL-SAND-CLAY-SILT MIXTURES
	SANDS (More than half of coarse fraction is smaller than the #4 sieve)	CLEAN SANDS WITH <5% FINES	Cu≥6 and 1≤Cc≤3	**SW**	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
			Cu<6 and/ or 1>Cc>3	**SP**	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE OR NO FINES
		SANDS WITH 5% TO 12% FINES	Cu≥6 and 1≤Cc≤3	**SW-SM**	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
				SW-SC	WELL-GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
			Cu<6 and/ or 1>Cc>3	**SP-SM**	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE FINES
				SP-SC	POORLY GRADED SANDS, SAND-GRAVEL MIXTURES WITH LITTLE CLAY FINES
		SANDS WITH > 12% FINES		**SM**	SILTY SANDS, SAND-GRAVEL-SILT MIXTURES
				SC	CLAYEY SANDS, SAND-GRAVEL-CLAY MIXTURES
				SC-SM	CLAYEY SANDS, SAND-SILT-CLAY MIXTURES

FINE GRAINED SOILS (More than half of material is smaller than the #200 sieve)	SILTS AND CLAYS (Liquid Limit less than 50)	**ML**	INORGANIC SILTS AND VERY FINE SANDS, SILTY OR CLAYEY FINE SANDS, SILTS WITH SLIGHT PLASTICITY
		CL	INORGANIC CLAYS OF LOW TO MEDIUM PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		CL-ML	INORGANIC CLAYS-SILTS OF LOW PLASTICITY, GRAVELLY CLAYS, SANDY CLAYS, SILTY CLAYS, LEAN CLAYS
		OL	ORGANIC SILTS & ORGANIC SILTY CLAYS OF LOW PLASTICITY
	SILTS AND CLAYS (Liquid Limit greater than 50)	**MH**	INORGANIC SILTS, MICACEOUS OR DIATOMACEOUS FINE SAND OR SILT
		CH	INORGANIC CLAYS OF HIGH PLASTICITY, FAT CLAYS
		OH	ORGANIC CLAYS & ORGANIC SILTS OF MEDIUM-TO-HIGH PLASTICITY

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PROJECT NO.: 113847
DRAWN BY:
CHECKED BY:
DATE:
REVISED: -

GRAPHICS KEY

Former Southside Facility #27235
1000 Forest Drive
Annapolis MD

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gINT FILE: PROJECTWISE: Sso27235_constructionswells_april2015.gpj
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APPENDIX G

Equipment Specifications

Submittal Document List

PMProjNum **202258**

Former Southside #27235

Tag	Part Number	Part Description	
Module:		*100*	
MFLD-	11232	Manifold, Steel, Custom	SCH10 Carbon steel, epoxy coated Service: Air @ 200"WC
		Manucturer: Maple Leaf Environmental Equi	Main Header to include the following: Header size: 3 in Number of Legs: 8 Header ends to terminate as follows: - One end: 2in Bare - One end: 2in MNPT Leg configuration as follows: - Leg size: 2 in - Length of each leg: 3 in - Center to center dimension: 6 in - Termination: 2 In MNPT
		J S Simpson Welding & Fabricating	
Module:		*400*	
LSHH-	M1499	Switch, Level, Almeg, Vertical, ATB3-48SS	---
		Manucturer: Almeg	
		N:\Library\Almeg\Spec Sheets\Almeg_Level Switc	
		Maple Leaf Environmental Equipment	
VLS-40	11847	Vapor Liquid Separator, 90 Gallon, VLW90	Standard Features: Baffle Side Cleanout
		Manucturer: Maple Leaf Environmental Equi	Options: CW Demister 2" Sight Glass, for level switches in sight glass
		J S Simpson Welding & Fabricating	
Module:		*700*	
700-Dil	M1096	Filter, Silencer, Solberg, FS-30P-200	---
		Manucturer: Solberg	
		N:\Library\Solberg\Spec Sheets\Solberg_Filter Sile	
		Cameron Compressors Ltd.	
700-Inl	10072	Filter, Inline, Solberg, CSL-851-200HC	---
		Manucturer: Solberg	
		N:\Library\Solberg\Spec Sheets\Solberg_Inlet Vac	
		Cameron Compressors Ltd.	

Tag	Part Number	Part Description	
B-701	11889	Blower, Sutorbilt, Model 2MP-RHC Manucturer: Sutorbilt N:\Library\Sutorbilt\Spec Sheets\Sutorbilt_Blower_	Orientation: Horizontal (Flow Down) Driven Shaft Position: RHC (Right Hand Central) Flow Requirement: 91 SCFM @106"WC Altitude: 500 ft Inlet Pressure: 106"WC Outlet Pressure: 1.5PSIG Inlet Air Temp: 68 F Discharge Air Temp: 164 F Noise:83 dBA RPM: 2,756 Horsepower Consumed: 4.3 hp Motor being provided by newterra: Epact Motor - High Efficiency Horse power: 7.5hp Voltage: 208V/3P Motor Type: TEFC Class 1 Div 2 Suitable Approval: CSA RPM: 3600 Frame Type: 213T
		Gardner Denver c/o Aircom Tech.	
B-701	11584	Blower, Sutorbilt, Model 3M-RHC Manucturer: Sutorbilt N:\Library\Sutorbilt\Spec Sheets\Sutorbilt_Blower_	Orientation: Horizontal (Flow Down) Driven Shaft Position: RHC (Right Hand Central) Flow Requirement: 91 SCFM @106"WC Altitude: 500 ft Inlet Pressure: 106"WC Outlet Pressure: 1.5PSIG Inlet Air Temp: 68 F Discharge Air Temp: 164 F Noise:83 dBA RPM: 2,756 Horsepower Consumed: 4.3 hp Motor being provided by newterra: Epact Motor - High Efficiency Horse power: 7.5hp Voltage: 208V/3P Motor Type: TEFC Class 1 Div 2 Suitable Approval: CSA RPM: 3600 Frame Type: 213T
		Gardner Denver c/o Aircom Tech.	
PSL-70	10184	Switch, Pressure, 1823-80 Manucturer: Dwyer N:\Library\Dwyer\Spec Sheets\Dwyer_Pressure S Maple Leaf Environmental Equipment	---
SV-701	13843	Valve, Solenoid, 2 Way, 1/4", ASCO, EF8262 Manucturer: ASCO N:\Library\ASCO\Spec Sheets\ASCO_8262_8263 Maple Leaf Environmental Equipment	-
VRV-7	10732	Valve, Relief, Vacuum, Kunkle, 2", Set @ Cu Manucturer: Kunkle N:\Library\Kunkle\Spec Sheets\Kunkle_Valve_215 Pentair Valves & Controls US LP	Set @ 10"Hg

Module: *1300*

Tag	Part Number	Part Description	
F-1301	23207	Heat Exchanger, Air/Air, ACA-3241-3EXP Manucturer: American Industrial Heat Trans N:\Library\American_Industrial_Heat_Transfer\Spe American Industrial Heat Transfer	American Industrial ACA-3241-3EXP Air Flow Rate: 91 SCFM Operating Pressure: 1.5PSIG Inlet Temperature:164 deg F Outlet Temperature: 120 deg F Ambient Temperature: 100 deg F Horse Power: 1/3hp Voltage: 208V/3P Motor Type: EXP Approval: CSA RPM: 1140 Inlet/Outlet Dia: 1-1/2" Max Allowable Pressure Drop: 0.118
PDI-13	12875	Meter, Flow, Pitot Tube, 2" Manucturer: N:\Library\newterra\Specification Sheets\newterra Maple Leaf Environmental Equipment	-
PDI-13	11247	Gauge, Magnehelic, 0-2"wc, 2002 Manucturer: Dwyer N:\Library\Dwyer\Spec Sheets\Dwyer_Pressure G Maple Leaf Environmental Equipment	---
TSH-13	15652	Switch, Temperature, Probe, A19AAF-32 Manucturer: Johnson Controls N:\Library\Johnson_Controls\Spec Sheets\A19.pdf Maple Leaf Environmental Equipment	25 - 225 F option
Module:		*2200*	
2200	10031	Filter, Silencer, Solberg, FS-18P-100 Manucturer: Solberg N:\Library\Solberg\Spec Sheets\Solberg_Filter Sile Cameron Compressors Ltd.	---
C-2201	12022	Compressor, Rotary Vane, Rietschle, DTA 60 Manucturer: Rietschle N:\Library\Rietschle\Spec Sheets\Rietschle_Air Sp Gardner Denver Hanover	Rietschle DTA Package - Inlet filter, 5 micron - Pressure relief valve - Discharge filter, 5 micron - Coupling assembly for motor mount - Long lasting carbon vanes - NPT thread on inlet and outlet - Sound enclosure The following Motor is supplied by newterra: Epact Motor - High Efficiency Horse power: 5hp Voltage:208V/3P Motor Type: TEFC Class 1 Div 2 Suitable Approval: CSA RPM: 1800 Frame Type: 184TC Motor Frame Option: C-flange
PDI-22	15741	Meter, Flow, Venturi, 1" Manucturer: Maple Leaf Environmental Equi N:\Library\newterra\Specification Sheets\newterra Maple Leaf Environmental Equipment	-

Tag	Part Number	Part Description	
PDI-22	17385	Gauge, Magnehelic, 0-10"wc, 2010MP	---
		Manucturer: Dwyer	
		N:\Library\Dwyer\Spec Sheets\Dwyer_Pressure G	
		Furneco International	
PRV-2	10902	Valve, Relief, Pressure, Kunkle, 2", 0337-H**	Set @ 15PSI
		Manucturer: Kunkle	
		N:\Library\Kunkle\Spec Sheets\Kunkle_Valve_215	
		Pentair Valves & Controls US LP	
TSH-22	15652	Switch, Temperature, Probe, A19AAF-32	25 - 225 F option
		Manucturer: Johnson Controls	
		N:\Library\Johnson_Controls\Spec Sheets\A19.pdf	
		Maple Leaf Environmental Equipment	
Module:		*2800*	
FI-2801	20511	Meter, Flow, Air, VFB-90-BV-PF	---
		Manucturer: Dwyer	
		N:\Library\Dwyer\Spec Sheets\Dwyer_Rotameters	
		Furneco International	
Module:		*7900*	
7900-Li	13520	Light, Bulb, VUXGG1100, Killark, spare bulbs	None
		Manucturer:	
		N:\Library\Killark\Spec Sheets\Killark_Lighting_V	
		Daltco Electric & Supply	
BLD-79	M1484	Skid, Custom Size	Wood Framed Building Skid Per Drawing Provided Model: Skid 8 x 15' Bolt Down Tabs: Y Stud Sockets: N Lifting Lugs: Y (On Ends) Fork Holes on the Width: N Fork Holes on the Length: Y Deck:Steel
		Manucturer: Maple Leaf Environmental Equi	
		J S Simpson Welding & Fabricating	
F-7901	M1302	Fan, Building, 18", 1/3hp, 1625rpm, 120/230	None
		Manucturer: Canarm	
		N:\Library\Canarm\Spec Sheets\Canarm_Fan_Ex	
		Maple Leaf Environmental Equipment	
H-7901	22953	Heater, Convection, Indeeco, 3.6kW, 254 Ser	---
		Manucturer:	
		N:\Library\Indeeco\Indeeco_254 Series Convector	
		INDEECO	
TSL/TS	15651	Switch, Temperature, Probe, A19ABC-24D	None
		Manucturer: Johnson Controls	
		N:\Library\Johnson_Controls\Spec Sheets\A19.pdf	
		Maple Leaf Environmental Equipment	

Tag	Part Number	Part Description	
Module:		*8200*	
8200	17446	Autodialer, Sensaphone FGD-800	-
		Manucturer: Sensaphone	
		N:\Library\Sensaphone\Spec Sheets\Sensaphone	
		Maple Leaf Environmental Equipment	
8200	13960	Timer, Omron, H3CR-FN-300 AC100/240	-
		Manucturer: Omron	
		N:\Library\Omron\Spec Sheets\Omron_Timers_H3	
		Daltco Electric & Supply	
8200	13472	Timer, Omron, H3JA-8C-OC24-30S	-
		Manucturer: Omron	
		Daltco Electric & Supply	
8200	M1513	Meter, Hour, Kuebler/Danhar	-
		Manucturer:	
		N:\Library\Kuebler\H57_en.pdf	
		Maple Leaf Environmental Equipment	
8200	13472	Timer, Omron, H3JA-8C-OC24-30S	---
		Manucturer: Omron	
		Daltco Electric & Supply	

ATB 3 and ATS3 Series Spec Sheet
Level Switch - Small Size - Heavy Duty



The ATB3 is designed for high or low level alarm or switch point applications in rugged situations similar to oil tank reservoirs or industry vessels that require a more robust level switch. Notice the larger brass one piece machined hex to get a wrench on - this model also has an optional brass set screw locking collar in place of the clip.

Internal reed switch selection is the same Almeg quality standard but we've beefed up the external part as well as fully encapsulated the reed switch to maintain a complete moisture free environment. The leads are wire wrapped (not clipped) soldered and heat shrink sealed to the reed switch before encapsulating.

The TRUE closed cell Buna float will not swell or take on moisture - even if cut or drilled. It is designed like a tight bee hive or honey comb construction.

100% of our controls are tested before shipping.

The ATB3 is available in a single order or OEM applications.

SMALL COMPACT FILTER SILENCERS
w/ "Hockey Puck" *Patented* Element
"FS" Series 1/4" - 1" BSPT

APPLICATIONS & EQUIPMENT

- Industrial & Severe Duty
- Piston Compressors
- Screw Compressors
- Blowers - Side Channel & Roots
- Hydraulic Breathers – fine filtration
- Engines
- Construction\Contractor Industry
- Workshop
- Medical\Dental Industry
- Hobby
- Pneumatic Conveying
- Waste Water Aeration
- Nailers and Staplers

FEATURES & SPECIFICATIONS

- Patented high grade element w/**Built-in** Butterfly gasket seal
  Creates positive seal between housing hemispheres
  New seal with each element, Minimizes parts
- Fully drawn weatherhood - no welds to rust or vibrate apart
- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable **Compact** carbon steel construction with black powder coated finish
- Ability to mount vertically, horizontally
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Interchangeable media: Polyester, Paper, HEPA
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255-380 mm H_2O over initial delta P
- A single noise attenuation graph is insufficient; please inquire for your specific requirement

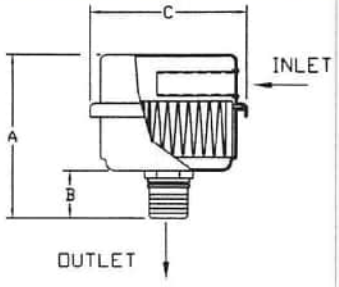
OPTIONS (Inquiries Encouraged)

- Various media available
- Epoxy coated housings
- Straight Through Design (Vertical)
- Custom connections

CONFIGURATION

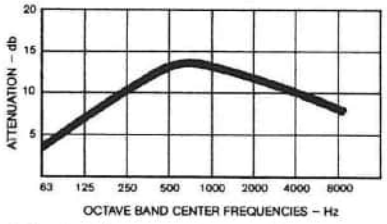


DRAWING



Dimension tolerance ± 6 mm

TYPICAL NOISE ATTENUATION – FS SERIES



- Noise attenuation may vary due to the wide range of applications and machines

I = Industrial Duty S = Severe Duty

	with Polyester Element	with Paper Element	BSPT Outlet	DIMENSIONS - mm A	B	C	Rated Flow m^3/h Piston	Screw, Blower, Fan	Element Rating	No. of Silencing Tubes	Approx. Wt. Kg
I	FS-05-025	FS-04-025	1/4"	70	16	64	7	7	14	1	0.11
I	FS-05-038	FS-04-038	3/8"	70	16	64	10	14	14	1	0.11
S	FS-07-038	FS-06-038	3/8"	90	16	83	14	14	20	1	0.23
I	FS-05-050	FS-04-050	1/2"	76	22	64	10	14	14	1	0.11
I	FS-07-050	FS-06-050	1/2"	97	22	83	17	20	20	1	0.23
S	FS-11-050	FS-10-050	1/2"	105	22	105	20	20	60	1	0.45
I	FS-07-075	FS-06-075	3/4"	106	32	83	20	20	20	1	0.23
I	FS-11-075	FS-10-075	3/4"	114	32	105	34	43	60	1	0.45
I	FS-11-100	FS-10-100	1"	114	32	105	43	60	60	1	0.45

Note: Model offerings and design parameters may change without notice.

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SMALL COMPACT FILTER SILENCERS
w/ Standard Filter Design
"FS" Series 1/2" - 3" BSPT

FILTER SILENCERS
QB, FS, BBF, LQB, PS, SLCR Series

APPLICATIONS & EQUIPMENT

- Industrial & Severe Duty
- Piston Compressors
- Screw Compressors
- Blowers - Side Channel & Roots
- Hydraulic Breathers – fine filtration
- Engines
- Construction\Contractor Industry
- Workshop
- Medical\Dental Industry
- Pneumatic Conveying
- Waste Water Aeration
- Nailers and Staplers
- Vacuum Vent Breathers

FEATURES & SPECIFICATIONS

- Fully drawn weatherhood - no welds to rust or vibrate apart
- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with baked enamel finish and powder coated weatherhood
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Interchangeable media: Polyester, Paper, HEPA
- Several element sizes available per given connection (safety factor)
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255-380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

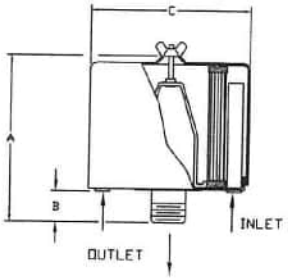
OPTIONS (Inquiries Encouraged)

- 1/8" tap holes
- Pressure Drop Indicator
- Available in ***Stainless Steel***
- Epoxy coated housings
- Various media available
- Custom connections, MPT

CONFIGURATION

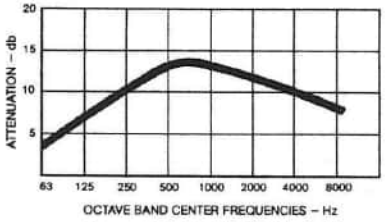


DRAWING



Dimension tolerance ± 6 mm

TYPICAL NOISE ATTENUATION – FS SERIES



- Noise attenuation may vary due to the wide range of applications and machines

I = Industrial Duty S = Severe Duty

	with Polyester Element	with Paper Element	BSPT Outlet	DIMENSIONS - mm A	B	C	Rated Flow m^3/h Piston	Screw, Blower, Fan	Element Rating	No. of Silencing Tubes	Approx. Wt. Kg
I	FS-15-050	FS-14-050	1/2"	102	38	152	17	17	60	1	0.8
I	FS-15-075	FS-14-075	3/4"	102	38	152	34	43	60	2	0.9
I	FS-15-100	FS-14-100	1"	102	38	152	43	60	60	3	0.9
S	FS-19P-100	FS-18P-100	1"	168	41	152	60	94	170	3	1.4
I	FS-19P-126	FS-18P-126	1 1/4"	168	41	152	94	119	170	5	1.5
I	FS-19P-151	FS-18P-151	1 1/2"	168	41	152	119	145	170	5	2
I	FS-31P-201	FS-30P-201	2"	184	57	254	145	230	332	5	4
S	FS-231P-201	FS-230P-201	2"	311	57	254	230	230	510	5	6
I	FS-31P-251	FS-30P-251	2 1/2"	191	64	254	170	332	332	5	4
S	FS-231P-251	FS-230P-251	2 1/2"	318	64	254	332	332	510	9	7
I	FS-231P-301	FS-230P-301	3"	330	76	254	340	510	510	9	7

Note: Model offerings and design parameters may change without notice.

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COMPACT FILTER SILENCERS

"FS" Series 3" - 6" BSPT

APPLICATIONS & EQUIPMENT

- Industrial & Severe Duty
- Blowers - Side Channel & Roots
- Piston Compressors
- Screw Compressors
- Hydraulic Breathers – fine filtration
- Engines
- Fans
- Construction\Contractor Industry
- Medical
- Pneumatic Conveying
- Waste Water Aeration
- Sparging
- Factory Air
- Vacuum Vent Breathers

FEATURES & SPECIFICATIONS

- Fully drawn weatherhood - no welds to rust or vibrate apart
- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with gray baked enamel finish and powder coated weatherhood
- Low pressure drop center bracket and outlet pipe design
- 1/8" tap hole
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Interchangeable media: Polyester, Paper, HEPA
- Several element sizes available per given connection (safety factor)
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255-380mm H_2O over initial delta P
- Pressure drop graphs available upon request

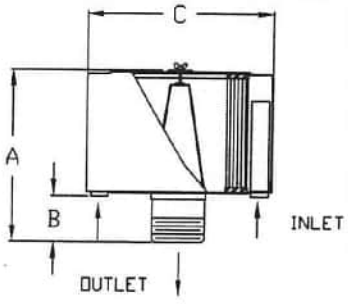
OPTIONS (Inquiries Encouraged)

- Various media available
- Pressure Drop Indicator
- Epoxy coated housings
- Available in ***Stainless Steel***
- Custom connections, NPT
- Side Access QB Series Filters for space restricted enclosures (Selected models)

CONFIGURATION

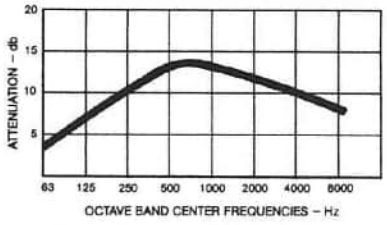


DRAWING



Dimension tolerance ± 6 mm

TYPICAL NOISE ATTENUATION – FS SERIES



- Noise attenuation may vary due to the wide range of applications and machines

I = Industrial Duty S = Severe Duty E = Extreme Duty

	with Polyester Element	with Paper Element	BSPT Outlet	DIMENSIONS - mm A	B	C	Rated Flow m^3/h Piston	Screw, Blower, Fan	Element Rating	No. of Silencing Tubes	Approx. Wt. Kg
S	FS-235P-301	FS-234P-301	3"	330	76	406	340	510	970	9	13
S	FS-245P-301	FS-244P-301	3"	330	76	406	340	510	1500	9	14
E	FS-275P-301	FS-274P-301	3"	330	76	406	340	510	1870	9	15
I	FS-235P-401	FS-234P-401	4"	356	102	406	510	885	970	9	14
S	FS-245P-401	FS-244P-401	4"	356	102	406	765	885	1500	9	14
E	FS-275P-401	FS-274P-401	4"	356	102	406	765	885	1870	9	15
I	FS-245P-501	FS-244P-501	5"	356	102	406	850	1360	1500	14	15
S	FS-275P-501	FS-274P-501	5"	356	102	406	1105	1360	1870	14	16
I	FS-275P-601	FS-274P-601	6"	394	133	406	1105	1870	1870	18	17

Note: Model offerings and design parameters may change without notice.

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COMPACT FILTER SILENCERS

"FS" Series DN80 - DN150 PN10 Pattern Flange

FILTER SILENCERS
QB, FS, BBF, LQB, PS, SLCR Series

APPLICATIONS & EQUIPMENT

- Industrial & Severe Duty
- Blowers - Side Channel & Roots
- Piston Compressors
- Screw Compressors
- Hydraulic Breathers – fine filtration
- Engines
- Fans
- Construction\Contractor Industry
- Medical
- Pneumatic Conveying
- Waste Water Aeration
- Sparging
- Factory Air
- Vacuum Vent Breathers

FEATURES & SPECIFICATIONS

- Fully drawn weatherhood - no welds to rust or vibrate apart
- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with gray baked enamel finish and powder coated weatherhood
- Low pressure drop center bracket and outlet pipe design
- 1/8" tap hole
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Interchangeable media: Polyester, Paper, HEPA
- Several element sizes available per given connection (safety factor)
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255-380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

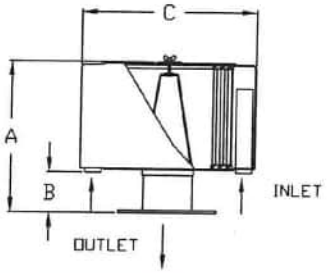
OPTIONS (Inquiries Encouraged)

- Various media available
- Pressure Drop Indicator
- Epoxy coated housings
- Available in ***Stainless Steel***
- Custom connections, NPT
- Side Access QB Series Filters for space restricted enclosures (Selected models)

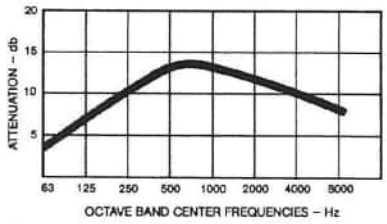
CONFIGURATION



DRAWING



TYPICAL NOISE ATTENUATION – FS SERIES



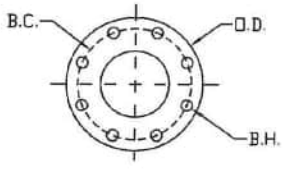
- Noise attenuation may vary due to the wide range of applications and machines

I = Industrial Duty S = Severe Duty E = Extreme Duty

Dimension tolerance ± 6 mm

	with Polyester Element	with Paper Element	Flange Outlet	DIMENSIONS - mm A	B	C	Rated Flow m^3/h Piston	Screw, Blower, Fan	Element Rating	No. of Silencing Tubes	Approx. Wt. Kg
S	FS-235P-DN80	FS-234P-DN80	DN80	330	76	406	340	510	970	9	13
S	FS-245P-DN80	FS-244P-DN80	DN80	330	76	406	340	510	1500	9	14
E	FS-275P-DN80	FS-274P-DN80	DN80	330	76	406	340	510	1870	9	15
I	FS-235P-DN100	FS-234P-DN100	DN100	356	102	406	510	885	970	9	15
S	FS-245P-DN100	FS-244P-DN100	DN100	356	102	406	765	885	1500	9	16
E	FS-275P-DN100	FS-274P-DN100	DN100	356	102	406	765	885	1870	9	18
I	FS-245P-DN125	FS-244P-DN125	DN125	356	102	406	850	1360	1500	14	17
S	FS-275P-DN125	FS-274P-DN125	DN125	356	102	406	1105	1360	1870	14	18
I	FS-275P-DN150	FS-274P-DN150	DN150	394	133	406	1105	1870	1870	18	19

PN10 Pattern Flg	DIMENSIONS - mm O.D.	B.C.	B.H.	No. of Holes	Thickness Flg - mm
DN80	200	160	18	8	10
DN100	220	180	18	8	10
DN125	250	210	18	8	10
DN150	285	240	22	8	10



Note: Model offerings and design parameters may change without notice.

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"BIG BOY" FILTER SILENCERS

"FS" Series DN200-DN300 PN10 Pattern Flange

APPLICATIONS & EQUIPMENT

- Industrial & Severe Duty
- Blowers - Side Channel & Roots
- Piston Compressors
- Screw Compressors
- Hydraulic Breathers – fine filtration
- Engines
- Fans
- Construction Industry
- Medical
- Pneumatic Conveying
- Waste Water Aeration
- Sparging
- Cement
- Power Plants
- Vacuum Vent Breathers

FEATURES & SPECIFICATIONS

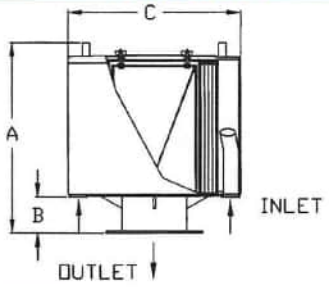
- Tubular silencing design - tube is positioned to maximize attenuation and air flow while minimizing pressure drop
- Durable carbon steel construction with gray baked enamel finish
- Low pressure drop center bracket and outlet pipe design
- 1/8" tap hole
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Several element sizes available per given connection (safety factor)
- Interchangeable media: Polyester, Paper, HEPA
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255-380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

OPTIONS (Inquiries Encouraged)

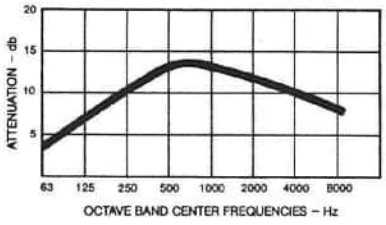
- Various media available
- Pressure Drop Indicator
- Epoxy coated housings
- Available in ***Stainless Steel***
- Custom connections, NPT
- Side Access QB Series Filters for space restricted enclosures (Selected models)

CONFIGURATION DRAWING





TYPICAL NOISE ATTENUATION – FS SERIES



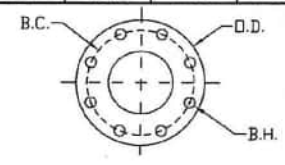
• Noise attenuation may vary due to the wide range of applications and machines

I = Industrial Duty S = Severe Duty E = Extreme Duty

Dimension tolerance ± 6 mm

	with Polyester Element	with Paper Element	Flange Outlet	DIMENSIONS - mm A	B	C	Rated Flow m^3/h Piston	Screw, Blower, Fan	Element Rating	No. of Silencing Tubes	Approx. Wt. Kg
I	FS-377P-DN200	FS-376P-DN200	DN200	584	152	572	2450	3060	3105	12	54
S	FS-385P-DN200	FS-384P-DN200	DN200	584	152	724	2450	3060	5605	12	56
E	FS-485P-DN200	FS-484P-DN200	DN200	787	152	724	3060	3060	8000	12	62
I	FS-385P-DN250	FS-384P-DN250	DN250	584	152	724	3060	5610	5610	16	59
S	FS-485P-DN250	FS-484P-DN250	DN250	787	152	724	4420	5610	8000	16	64
E	FS-685P-DN250	FS-384P(2)-DN250	DN250	965	152	724	4900	5610	11220	16	74
I	FS-385P-DN300	FS-384P-DN300	DN300	584	152	724	4420	5610	5610	24	61
S	FS-485P-DN300	FS-484P-DN300	DN300	787	152	724	4420	7990	8000	24	70
E	FS-685P-DN300	FS-384P(2)-DN300	DN300	965	152	724	5950	7990	11220	24	79
E	FS-485P(2)-DN300	FS-484P(2)-DN300	DN300	1346	152	724	7345	7990	16000	24	88

PN10 Pattern Flg	DIMENSIONS - mm O.D.	B.C.	B.H.	No. of Holes	Thickness Flg - mm
DN200	340	295	22	8	14
DN250	395	350	22	12	14
DN300	445	400	22	12	14



Note: Model offerings and design parameters may change without notice.

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SMALL COMPACT INLET VACUUM FILTERS

"CSL" Series 3/8" - 3" BSPP

APPLICATIONS & EQUIPMENT

- Vacuum Pumps & Systems – Roots, Side Channel, Rotary Vane, Screw, Piston
- Vacuum Packaging Equipment
- Vacuum Lifters
- Blowers - Side Channel & Roots
- Intake Suction Filters
- Pneumatic Conveying Systems
- Soil Venting/Remediation
- Remote Installations for Piston & Screw Compressors
- Printing Industry
- Factory Automation Equip
- Leak Detection Systems
- Woodworking
- Medical Industry

FEATURES & SPECIFICATIONS

- **Vacuum level**: Typically $1x10^{-3}$ mmHg ($1.3x10^{-3}$ mbar)
- Seamless drawn housings
- Brazed fittings for **High** vacuum duty
- Stainless steel torsion clips for durability
- Low pressure drop
- Positive engagement O-ring seal system
- **Large** dirt holding capacity and **Easy** field cleaning, especially when mounted horizontally or inverted
- Rugged all steel construction w/baked enamel finish
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255 - 380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

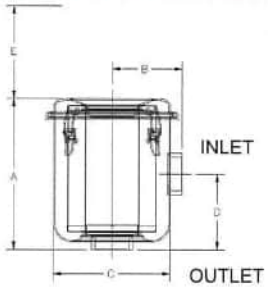
OPTIONS (Inquiries Encouraged)

- Vacuum gauge available
- Dome hood for high holding capacity
- Available in ***Stainless Steel***
- Epoxy coated housings
- Activated carbon prefilter for odor
- Support brackets
- Alternate top-to-canister fastening system for low pressure or pulsating systems

CONFIGURATION



DRAWING



Dimension tolerance ± 6 mm

I = Industrial Duty S = Severe Duty

	with Polyester Element	with Paper Element	BSPP Inlet & Outlet	DIMENSIONS - mm A	B	C	D	E	Rated Flow m^3/h Nominal Rating	Element Rating	Approx. Wt. Kg
I	CSL-825-039HC	CSL-824-039HC	3/8"	92	57	95	48	76	31	43	0.40
I	CSL-825-050HC	CSL-824-050HC	1/2"	92	57	95	48	76	31	43	0.40
I	CSL-843-050HC	CSL-842-050HC	1/2"	111	76	149	64	83	34	94	1.4
I	CSL-825-075HC	CSL-824-075HC	3/4"	95	57	95	48	76	41	43	0.40
S	CSL-843-075HC	CSL-842-075HC	3/4"	111	76	149	64	83	43	94	1.4
I	CSL-843-100HC	CSL-842-100HC	1"	111	83	149	67	83	60	94	1.4
S	CSL-849-100HC	CSL-848-100HC	1"	171	105	186	114	133	68	196	2.3
I	CSL-843-126HC	CSL-842-126HC	1 1/4"	111	83	149	67	83	94	94	1.4
S	CSL-849-126HC	CSL-848-126HC	1 1/4"	171	105	186	114	133	102	196	2.3
I	CSL-849-151HC	CSL-848-151HC	1 1/2"	171	105	186	114	133	136	196	2.3
I	CSL-851-201HC	CSL-850-201HC	2"	260	116	222	127	235	298	493	6.8
I	CSL-851-251HC	CSL-850-251HC	2 1/2"	267	130	222	140	235	357	493	6.8
I	CSL-239-301C*	CSL-238-301C*	3"	400	226	337	222	279	510	969	15

*1/4" taps standard on inlet and outlet

INLET VACUUM FILTERS

"CSL" Series 3" - 6" BSPT

APPLICATIONS & EQUIPMENT

- Vacuum Pumps & Systems – Roots, Side Channel, Rotary Vane, Screw, Piston
- Vacuum Packaging Equipment
- Vacuum Furnaces
- Blowers - Side Channel & Roots
- Intake Suction Filters
- Pneumatic Conveying Systems
- Remote Install for Piston, Screw & Centrifugal Compressors
- Factory Automation Equip
- Ash Handling
- Food Industry
- Paper Processing
- Glass, Ceramic Processing
- Waste Water Treatment
- Woodworking
- Cement
- Bag House Systems
- Envelope Manufacturing
- Medical Industry
- Chemical Processing

FEATURES & SPECIFICATIONS

- **Vacuum level**: Typically $1x10^{-3}$ mmHg ($1.3x10^{-3}$ mbar)
- Heavy duty T bolts for easy maintenance
- Rugged all steel construction w/baked enamel finish
- Low pressure drop
- Positive engagement O-ring seal system
- **Large** dirt holding capacity and **Easy** field cleaning, especially when mounted horizontally or inverted
- Inlet/outlet 1/4" gauge taps
- Hydrostatically tested to 0.5 bar pressure for vacuum tightness
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255 - 380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

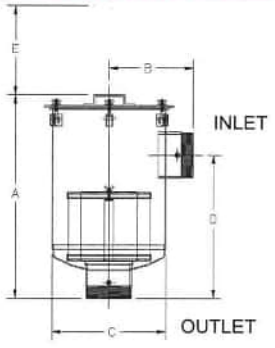
OPTIONS (Inquiries Encouraged)

- Straight-Through Configurations
- Various media
- Larger sizes available
- Available in ***Stainless Steel***
- Epoxy coated housings
- Support brackets
- Custom connections
- Activated carbon prefilters to reduce order

CONFIGURATION



DRAWING



Dimension tolerance ± 6 mm

I = Industrial Duty S = Severe Duty E = Extreme Duty

	with Polyester Element	with Paper Element	BSPP Inlet & Outlet	DIMENSIONS - mm A	B	C	D	E	Rated Flow m^3/h Nominal Rating	Element Rating	Approx. Wt. Kg
I	CSL-235P-301	CSL-234P-301	3"	689	229	356	470	254	510	970	21
S	CSL-335P-301	CSL-334P-301	3"	689	229	356	470	381	510	1360	23
I	CSL-235P-401	CSL-234P-401	4"	689	229	356	470	254	885	970	23
S	CSL-335P-401	CSL-334P-401	4"	689	229	356	470	381	885	1360	25
I	CSL-245P-501	CSL-244P-501	5"	714	279	470	495	254	1360	1500	37
S	CSL-345P-501	CSL-344P-501	5"	714	279	470	495	381	1360	1870	40
I	CSL-275P-601	CSL-274P-601	6"	740	305	470	521	254	1870	1870	43
S	CSL-375P-601	CSL-374P-601	6"	740	305	470	521	381	1870	2550	44

INLET VACUUM FILTERS

"CSL" Series DN80-DN150 PN10 Pattern Flange

APPLICATIONS & EQUIPMENT

- Vacuum Pumps & Systems – Roots, Side Channel, Rotary Vane, Screw, Piston
- Vacuum Packaging Equipment
- Vacuum Furnaces
- Blowers - Side Channel & Roots
- Intake Suction Filters
- Pneumatic Conveying Systems
- Remote Install for Piston, Screw & Centrifugal Compressors
- Factory Automation Equip
- Ash Handling
- Food Industry
- Paper Processing
- Glass, Ceramic Processing
- Waste Water Treatment
- Woodworking
- Cement
- Bag House Systems
- Envelope Manufacturing
- Medical Industry
- Chemical Processing

FEATURES & SPECIFICATIONS

- **Vacuum level**: Typically $1x10^{-3}$ mmHg ($1.3x10^{-3}$ mbar)
- Heavy duty T bolts for easy maintenance
- Rugged all steel construction w/baked enamel finish
- Low pressure drop
- Positive engagement O-ring seal system
- **Large** dirt holding capacity and **Easy** field cleaning, especially when mounted horizontally or inverted
- Inlet/outlet 1/4" gauge taps
- Hydrostatically tested to 0.5 bar pressure for vacuum tightness
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255 - 380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

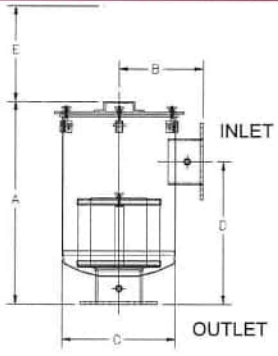
OPTIONS (Inquiries Encouraged)

- Straight-Through Configurations
- Various media
- Larger sizes available
- Available in ***Stainless Steel***
- Epoxy coated housings
- Support brackets
- Custom connections
- Activated carbon prefilters to reduce order

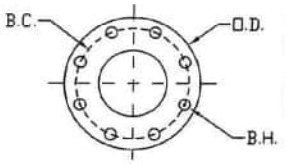
CONFIGURATION



DRAWING



Dimension tolerance ± 6 mm



Flange Orientation

Note: All side inlet to outlet flanges are orientated "split center".

I = Industrial Duty S = Severe Duty E = Extreme Duty

	with Polyester Element	with Paper Element	Flange Inlet & Outlet	DIMENSIONS - mm A	B	C	D	E	Rated Flow m^3/h Nominal Rating	Element Rating	Approx. Wt. Kg
I	CSL-235P-DN80	CSL-234P-DN80	DN80	689	229	356	470	381	885	970	28
S	CSL-335P-DN80	CSL-334P-DN80	DN80	689	229	356	470	508	885	1360	29
I	CSL-235P-DN100	CSL-234P-DN100	DN100	689	229	356	470	381	885	970	28
S	CSL-335P-DN100	CSL-334P-DN100	DN100	689	229	356	470	508	885	1360	29
I	CSL-245P-DN125	CSL-244P-DN125	DN125	714	279	470	495	381	1360	1500	40
S	CSL-345P-DN125	CSL-344P-DN125	DN125	724	279	470	495	508	1360	1870	41
I	CSL-275P-DN150	CSL-274P-DN150	DN150	740	305	470	521	381	1870	1870	50
S	CSL-375P-DN150	CSL-374P-DN150	DN150	740	305	470	521	508	1870	2550	51

PN10 Pattern Flg	DIMENSIONS - mm O.D.	B.C.	B.H.	No. of Holes	Thickness Flg - mm
DN80	200	160	18	8	10
DN100	220	180	18	8	10
DN125	250	210	18	8	10
DN150	285	240	22	8	10

INLET VACUUM FILTERS

"CSL" Series DN200-DN300 PN10 Pattern Flange

APPLICATIONS & EQUIPMENT

- Vacuum Pumps & Systems – Roots, Side Channel, Rotary Vane, Screw, Piston
- Vacuum Packaging Equipment
- Vacuum Furnaces
- Blowers - Side Channel & Roots
- Intake Suction Filters
- Pneumatic Conveying Systems
- Remote Install for Piston, Screw & Centrifugal Compressors
- Factory Automation Equip
- Ash Handling
- Food Industry
- Paper Processing
- Glass, Ceramic Processing
- Waste Water Treatment
- Woodworking
- Cement
- Bag House Systems
- Envelope Manufacturing
- Chemical Processing

FEATURES & SPECIFICATIONS

- **Vacuum level**: Typically $1x10^{-3}$ mmHg ($1.3x10^{-3}$ mbar)
- Heavy duty T bolts for easy maintenance
- Rugged all steel construction w/baked enamel finish
- Low pressure drop
- Positive engagement O-ring seal system
- **Large** dirt holding capacity and **Easy** field cleaning, especially when mounted horizontally or inverted
- Inlet/outlet 1/4" gauge taps
- Hydrostatically tested to 0.5 bar pressure for vacuum tightness
- Polyester: 99%+ removal efficiency standard to 5 micron
- Paper: 99%+ removal efficiency standard to 2 micron
- Temp (continuous): min -26°C (-15°F) max 104°C (220°F)
- Filter change out differential: 255 - 380 mm H_2O over initial delta P
- Pressure drop graphs available upon request

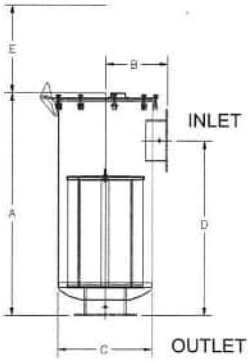
OPTIONS (Inquiries Encouraged)

- Straight-Through Configurations
- Various media
- Larger sizes available
- Available in ***Stainless Steel***
- Epoxy coated housings
- Support brackets
- Custom connections
- Activated carbon prefilters to reduce order

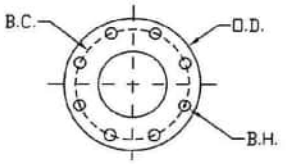
CONFIGURATION



DRAWING



Dimension tolerance ± 6 mm



Flange Orientation

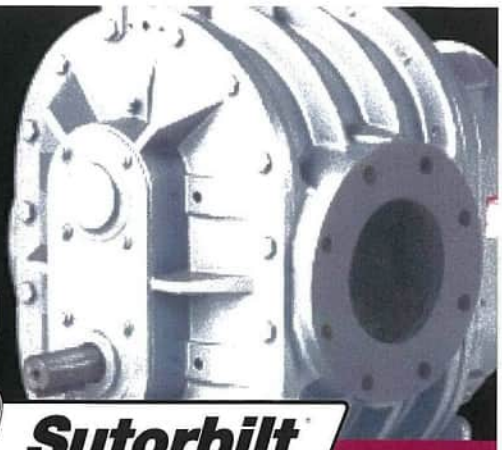
Note: All side inlet to bottom outlet flanges are orientated "split center".

I = Industrial Duty S = Severe Duty E = Extreme Duty

	with Polyester Element	with Paper Element	Flange Inlet & Outlet	DIMENSIONS - mm A	B	C	D	E	Rated Flow m^3/h Nominal Rating	Element Rating	Approx. Wt. Kgs
I	CSL-377P-DN200	CSL-376P-DN200	DN200	965	356	572	648	508	3060	3105	83
S	CSL-385P-DN250	CSL-384P-DN250	DN250	1130	410	686	864	381	4930	5610	115
S	CSL-485P-DN300	CSL-484P-DN300	DN300	1130	410	686	864	559	7990	8000	125
S	*CSL-685P-DN250	CSL-384P(2)-DN250	DN250	1461	406	672	1143	838	4930	11220	171
S	*CSL-685P-DN300	CSL-384P(2)-DN300	DN300	1461	406	672	1143	838	8415	11220	171
S	*CSL-485P(2)-DN300	CSL-484P(2)-DN300	DN300	1765	406	672	1448	635	8415	16000	209

* Options: Double stack housings are available. Please contact representative for more information.

PN10 Pattern Flg	DIMENSIONS - mm O.D.	B.C.	B.H.	No. of Holes	Thickness Flg - mm
DN200	340	295	22	8	10
DN250	395	350	22	12	13
DN300	445	400	22	12	13



GD GARDNER DENVER Sutorbilt

Positive Displacement Lobe Blowers/ Vacuum Pumps

LEGEND™ SERIES

Setting The Industry Standard For Over 60 Years

The Sutorbilt® Legend™ line of rotary positive displacement lobe blowers and vacuum pumps is the result of more than sixty years experience in the design, manufacture and support of superior industrial equipment. Backed by one of the largest distributor networks in the industry, every Sutorbilt Legend blower/vacuum pump is built under rigid ISO 9001 quality standards and individually tested to meet rigorous performance standards. Sutorbilt Legends are specified by leading Original Equipment Manufacturers worldwide for a wide range of applications. Many OEMs prefer the Sutorbilt Legend design because it can be easily customized to their specifications while meeting strict performance requirements. We take pride in the fact that a Legend is at the heart of an ever-expanding variety of air solutions working every minute of every day around the globe. With a variety of models to choose from, 20 sizes each available in 4 different configurations, the Legend Series delivers pressure to 15 psig, vacuum to 16 "Hg and flows to 3,015 scfm.

Compare us to the competition and you'll find out why this blower/vacuum pump earned the name "Legend".

GD GARDNER DENVER Sutorbilt®

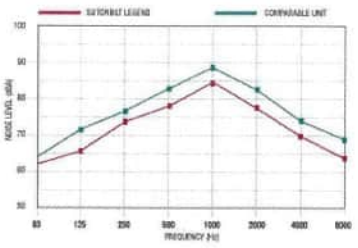


Proven Performance. Global Applications. Local Support.

Below are just a few examples of the industries that, over the decades, have depended upon the Sutorbilt® Legend™ to deliver clean, oil-free air to a wide range of global applications.

Industry	Application
Aquaculture	Aeration
Cement and Lime	Fluidization and Conveying
Chemical	Vacuum Processing and Conveying
Coal Bed/Landfill	Methane Gas Recovery
Dairy	Automated Milking
Dry Bulk Hauling	Trailer Unloading and Aeration
Environmental Services	Sewer Cleaning and Portable Restroom Services
Industrial	Material Vacuuming
Milling and Baking	Blending and Conveying
Oil and Gas	Gas Collection and Sparging
Power Generation	Fly Ash Conveying and Aeration
Process Gas	Gas Boosting
Pulp and Paper	Chip Conveying and Process Vacuum
Resin and Plastic	Processing and Conveying
Soil Remediation	Vacuum Extraction and Sparging
Vacuum Excavation	Potholing and Slurry Recovery
Wastewater	Aeration and Backwashing

50% Less Operating Noise



The sound data shown compares the Legend and a comparably sized blower operating at 3,275 rpm and 12 psig. An improved blower design significantly reduces the sound pressure output of the Legend blower. The typical reduction is 3 dBA which represents 50% less noise than the competition.



Superior Local Sales and Service

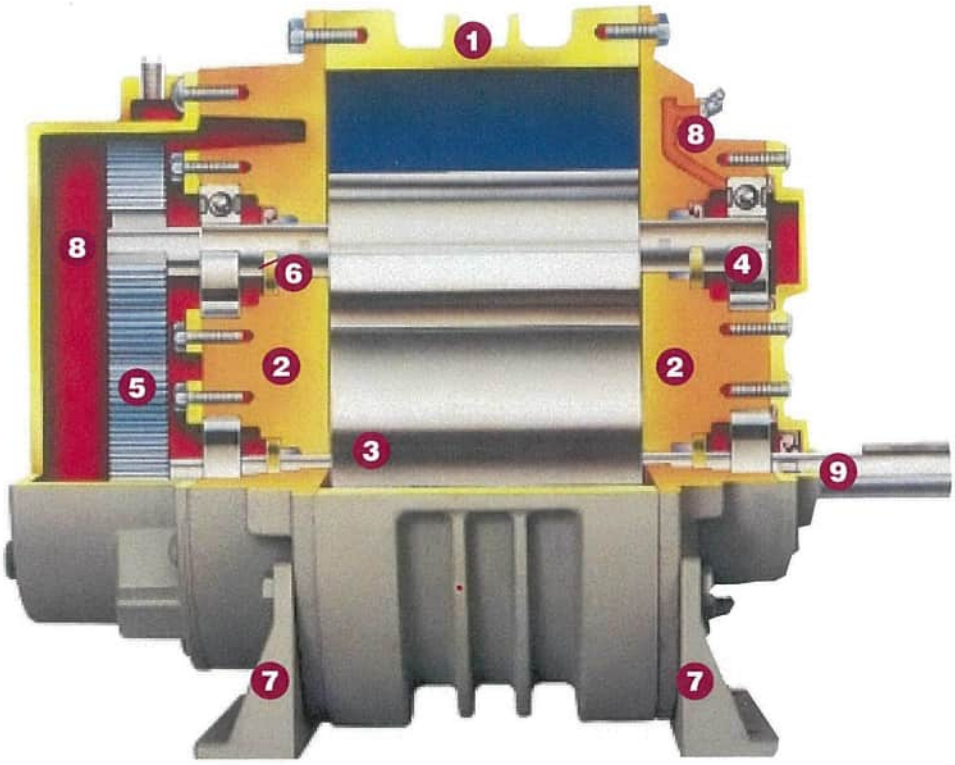
Our extensive network of authorized Sutorbilt distributors offers the most convenient local sales and service support of anyone in the industry today. These factory trained professionals are experts in blower/vacuum pump technology providing system installation guidance, troubleshooting and optimization recommendations of your new or existing applications.

Even a Legendary Warranty

Every Sutorbilt Legend Series blower/ vacuum pump is covered by an unconditional warranty for 24 months from the date of shipment or 18 months from the date of installation on all blower materials and workmanship. Replacement or repair costs will be at no charge. Contact your Local Sutorbilt Representative for written details.



Legendary Design Features



1 **High-strength impeller case is heavily ribbed and machined from a single piece of cast iron and features oversized dowel pins for precise mounting and alignment of head plates.**

These features result in reduced noise and more stable, vibration-free operation.

2 **Head plates, machined from cast iron, are ground on the interior surface to precise operating tolerances. Bearing fits are machined into head plates to assure exact bearing positioning.**

This ensures accurate, fixed-dimension clearances through all blower operating conditions and temperature ranges.

3 **Impellers are machined from cast iron to an exact profile and are permanently fastened to steel shafts. They are dynamically balanced for smooth operation in any assembled position.**

This provides extra strength and rigidity to handle continuous maximum loads without fatigue or deflection.

4 **Anti-friction bearings are used exclusively. Smaller models are fitted with single-row ball bearings and cylindrical roller bearings; large models have double-row ball bearings and spherical roller bearings.**

Optimum bearing selection provides longer blower life and added overhung shaft load capacity.

5 **Timing gears, precision machined from alloy steel forgings, are permanently pinned to the shafts.**

This assures non-slip timing even under the most strenuous loading conditions.

6 **High temperature Viton® oil seals.**

These maximize the seal life in continuous, severe-duty applications to provide leak-free operation.

7 **Flex-Mount™ design is adaptable to either vertical or horizontal installation.**

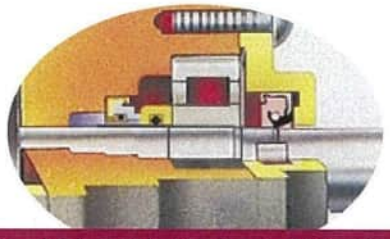
The feet are precisely machined and match the footprints of many competitive units.

8 **Timing gears and gear end bearings are splash lubricated utilizing an abundant oil reservoir. A graphite gasketed, oil-tight housing encloses the timing gears. Drive end bearings are grease lubricated through fittings. Lip-type seals prevent oil and grease from entering the impeller chamber.**

Superior gear and bearing lubrication is assured at all operating conditions with minimal maintenance.

9 **High strength steel drive shaft is extended for V-belt drive or direct connection.**

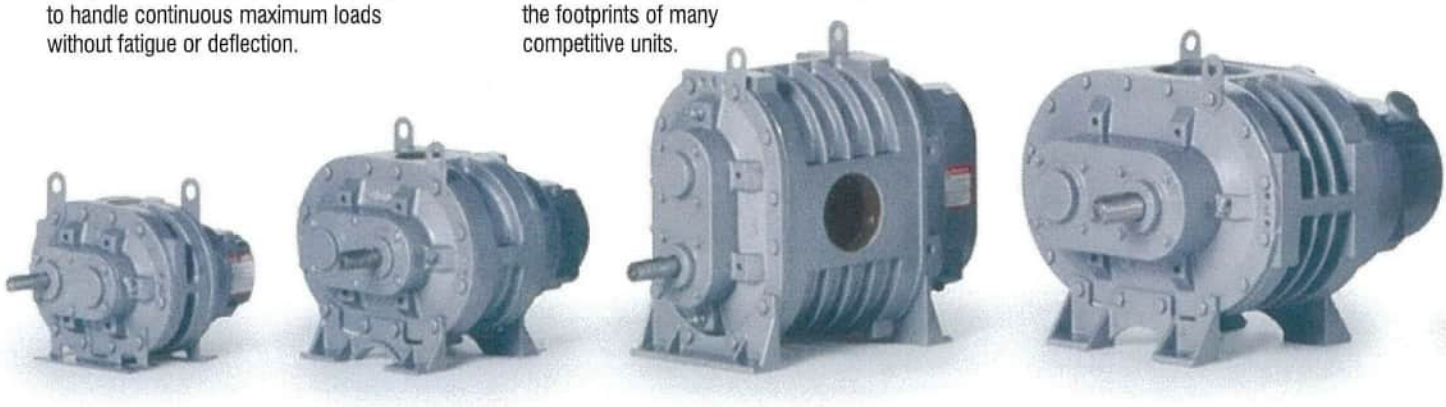
This feature provides greater blower durability and installation flexibility.



Available With Mechanical Gas Seals

The Legend design accommodates mechanical gas seals for critical gas applications with proven results based on a large installed base.

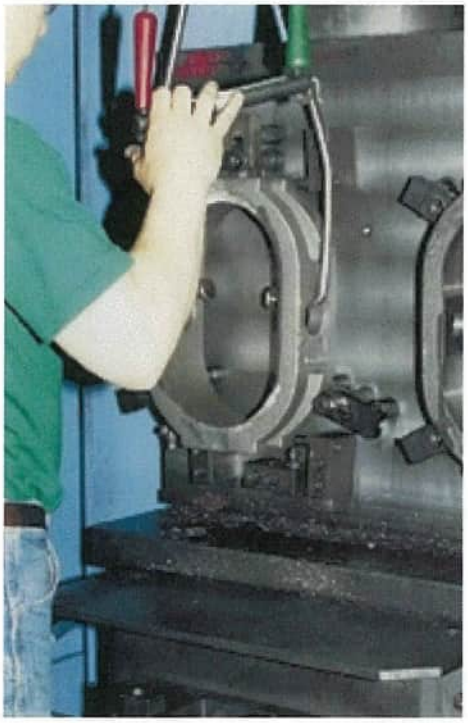
This field proven seal design allows trouble- free operation in critical gas applications.



State-Of-The-Art Quality

Sutorbilt Legend blowers and vacuum pumps are engineered and produced in Gardner Denver's state-of-the-art manufacturing facility in Sedalia, Missouri. This 330,000 sq. ft. plant is ISO 9001 certified and produces hundreds of different blower and compressor models.





Over the years Gardner Denver has made significant investments in people and modern precision machinery. Gardner Denver's Flexible Machining System (FMS) assures consistent production of the highest quality Legend components.

Extra attention to detail is found throughout the manufacturing process like the use of advanced coordinate measuring equipment. Legend components are subjected to numerous quality inspections before they are assembled.

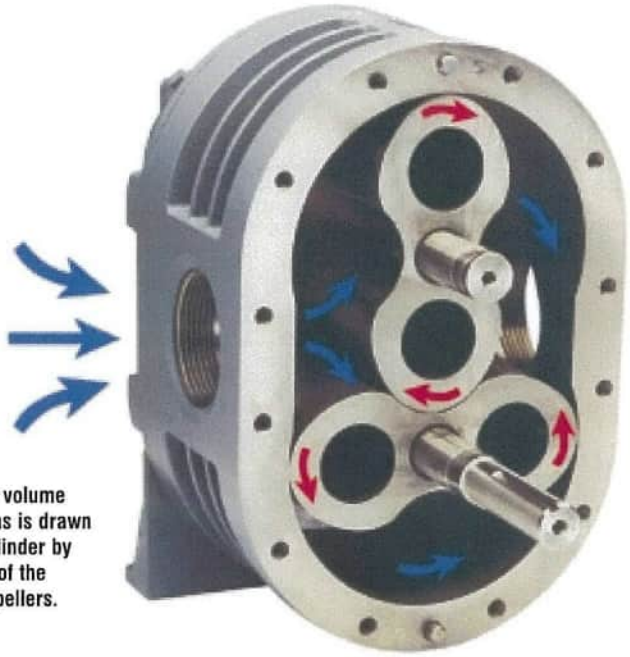




Prior to leaving the factory, every Legend is run tested against rigid standards using our advanced computer automated testing equipment.



The Sutorbilt® Positive Displacement Cycle



INTAKE
A constant volume of air or gas is drawn into the cylinder by the action of the turning impellers.

DISCHARGE
A constant volume of air or gas is forced out through the discharge port.

TRANSFER
A constant volume of trapped air or gas is transferred around the cylinder to the discharge port.



Two specially designed figure-eight impellers turn in opposite directions within a machined housing, transferring a constant volume of air or gas from the inlet to the discharge with every rotation of the blower drive shaft. No lubrication within the cylinder is required as the rotating components are held in close tolerance to each other and do not make contact. The impeller positioning is maintained by precision timing gears affixed to each impeller shaft. All essential gear and bearing lubrication occurs externally to the cylinder assuring clean, oil-free gas delivery under all operating conditions. Compression occurs after the gas leaves the blower and encounters system resistance in performing its intended work.

Flex-Mount™ Design Provides Maximum Installation Versatility

Flex-Mount™ design gives the Legend positive displacement blower and vacuum pump total application flexibility. It also assures complete interchangeability on existing and new applications and compatibility as replacements for most competitive installations.



Horizontal Configuration, Right Hand Drive



Horizontal Configuration, Left Hand Drive



Vertical Configuration, Bottom Hand Drive



Vertical Configuration, Top Hand Drive

Sutorbilt® Legend™ Pressure Performance Data

LOW PRESSURE UNITS

SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	2 PSIG		3 PSIG		4 PSIG		5 PSIG		6 PSIG		7 PSIG	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
2LP 2LVP	2"-S	0.035	2,800	76	1.1	71	1.6	67	2.1	63	2.5	59	3.0	56	3.5
			3,250	91	1.3	86	1.8	82	2.4	79	2.9	75	3.4	72	4.0
			3,560	102	1.4	97	2.0	93	2.6	78	3.2	86	3.7	83	4.3
			5,275	162	2.0	157	2.8	153	3.7	149	4.6	146	5.3	143	6.1
3LP 3LVP	2½"-S	0.104	1,760	149	1.9	142	2.8	135	3.7	130	4.5	124	5.2	120	6.1
			2,265	202	2.4	194	3.5	188	4.7	182	5.6	177	6.7	172	7.8
			2,770	254	2.9	247	4.3	240	5.5	235	6.8	230	8.2	225	9.6
			3,600	341	3.7	333	5.3	327	7.1	321	8.9	316	10.6	311	12.4
4LP 4LVP	3"-S	0.170	1,760	253	3.0	243	4.5	234	5.7	227	7.1	220	8.5	213	9.9
			2,190	326	3.7	316	5.3	307	7.1	300	8.8	293	10.6	286	12.4
			2,620	400	4.4	389	6.3	381	8.4	373	10.6	366	12.7	360	14.8
			3,600	566	5.8	556	8.7	547	11.6	539	14.5	533	17.4	526	20.3
5LP 5LVP	4"-S	0.350	1,500	463	5.2	449	7.5	438	10.0	427	12.4	418	14.9	409	17.4
			1,760	554	5.8	540	8.8	529	11.7	518	14.6	509	17.5	500	20.4
			2,100	673	7.0	659	10.5	648	13.9	637	17.4	628	20.9	619	24.4
			2,850	936	9.5	922	14.2	910	18.9	900	23.6	890	28.4	882	33.1
6LP 6LVP	6"-F	0.718	1,170	739	8.0	716	11.9	697	15.9	680	19.9	664	23.9	650	27.9
			1,760	1,162	12.0	1,139	18.0	1,120	24.0	1,103	29.9	1,088	35.9	1,074	41.9
			1,930	1,284	13.1	1,261	19.7	1,242	26.3	1,225	32.8	1,210	39.4	1,196	46.0
			2,350	1,586	16.0	1,563	24.0	1,544	32.0	1,527	40.0	1,512	48.0	1,497	56.0
7LP 7LVP	8"-F	1.200	1,170	1,277	13.3	1,248	20.0	1,224	16.6	1,203	33.3	1,184	39.9		
			1,465	1,631	16.7	1,602	25.0	1,578	33.3	1,557	41.7	1,538	50.0		
			1,760	1,985	20.0	1,956	30.0	1,932	40.0	1,911	50.1	1,892	60.1		
			2,050	2,333	23.3	2,304	35.0	2,280	46.6	2,259	58.3	2,240	70.0		
8LP 8LVP	10"-F	1.740	880	1,366	14.5	1,329	21.8	1,298	29.0	1,271	36.3	1,246	43.5		
			1,170	1,871	19.3	1,834	28.9	1,803	38.6	1,775	48.2	1,750	57.9		
			1,375	2,228	22.7	2,191	34.0	2,159	45.4	2,132	56.7	2,107	68.0		
			1,800	2,967	29.7	2,930	44.5	2,899	59.4	2,871	74.2	2,847	89.1		

MEDIUM PRESSURE UNITS

SIZE	DIA.INLET & OUTLET	DISPL.CU. FT./REV.	RPM	7 PSIG		9 PSIG		10 PSIG		12 PSIG		13 PSIG		14 PSIG	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
2MP 2MVP	1"-S	0.017	2,800	25	1.7	22	2.1								
			3,250	33	1.9	30	2.5	28	2.7						
			3,560	38	2.1	35	2.7	34	3.0						
			5,275	67	3.1	64	3.9	63	4.4	60	5.1				
3MP 3MVP	2"-S	0.060	1,760	64	3.6	59	4.6								
			2,265	95	4.6	89	5.8	87	6.4						
			2,770	125	5.5	119	7.1	117	7.9	112	9.5				
			3,600	175	7.2	169	9.2	167	10.2	162	12.3				
4MP 4MVP	2½"-S	0.117	1,760	144	6.8	136	8.8	132	9.8						
			2,190	194	8.5	186	10.9	182	12.1						
			2,620	245	10.2	236	13.1	233	14.5						
			3,600	359	14.0	351	18.0	347	20.0						
5MP 5MVP	4"-S	0.210	1,500	237	10.5	227	13.4	222	14.9	213	17.9	209	19.4		
			1,760	292	12.3	281	15.8	277	17.5	268	21.0	263	22.8		
			2,100	363	14.6	353	18.8	348	20.9	339	25.1	335	27.2		
			2,850	521	19.9	510	25.5	506	28.4	497	34.0	493	36.9		
6MP 6MVP	5"-S	0.383	1,170	332	14.9	316	19.1	309	21.2	296	25.5	289	27.6	283	29.7
			1,760	558	22.4	542	28.8	535	32.0	522	38.3	515	41.5	509	44.7
			1,930	622	24.5	607	31.5	600	35.0	587	42.0	580	45.5	574	49.1
			2,350	784	29.9	768	38.4	761	42.7	748	51.2	741	55.5	735	59.7
7MP 7MVP	6"-F	0.733	1,170	693	28.5	671	36.6	661	40.7						
			1,465	909	35.6	887	45.8	877	50.9						
			1,760	1,125	42.8	1,103	55.0	1,093	61.1						
			2,050	1,338	49.9	1,316	64.1	1,306	71.2						
8MP 8MVP	8"-F	1.040	880	709	30.4	681	39.0	669	43.4						
			1,170	1,011	40.4	983	51.9	970	57.7						
			1,375	1,224	47.4	1,196	61.0	1,183	67.8						
			1,800	1,666	62.1	1,638	79.9	1,625	88.7						

HIGH PRESSURE UNITS

SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	7 PSIG		8 PSIG		9 PSIG		11 PSIG		13 PSIG		15 PSIG	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
3HP 3HVP	1¼"-S	0.045	1,760	46	2.6	44	3.0	41	3.4						
			2,265	69	3.4	66	3.9	64	4.3	60	5.3				
			2,770	91	4.1	89	4.7	87	5.3	83	6.5				
			3,600	129	5.4	126	6.1	124	6.9	120	8.4	117	10.0	113	11.5
4HP 4HVP	1½"-S	0.069	1,760	80	4.0	77	4.6	74	5.2						
			2,190	110	5.0	107	5.7	104	6.4	99	7.9				
			2,620	139	6.0	137	6.9	134	7.7	129	9.4	124	11.1		
			3,600	207	8.2	204	9.4	201	10.6	196	13.0	192	15.3	188	17.7
5HP 5HVP	2½"-S	0.140	1,500	154	7.0	151	8.0	147	9.0	140	10.9				
			1,760	191	8.2	187	9.3	183	10.5	177	12.8	171	15.2	165	17.5
			2,100	238	9.8	235	11.1	231	12.5	224	15.3	218	18.1	213	20.9
			2,850	343	13.2	340	15.1	336	17.0	329	20.8	323	24.6	318	28.4
6HP 6HVP	3"-S	0.227	1,170	188	8.8	182	10.1	177	11.3	168	13.8	159	16.4		
			1,760	321	13.3	316	15.1	311	17.0	302	20.8	293	24.6	285	28.4
			1,930	360	14.5	355	16.6	350	18.7	340	22.8	332	27.0	324	31.1
			2,350	455	17.7	450	20.2	445	22.8	436	27.8	427	32.9	419	37.9
7HP 7HVP	4"-S	0.367	1,170	332	14.2	326	16.3	319	18.3	308	22.4	297	26.5	287	30.5
			1,465	441	17.8	434	20.4	428	22.9	416	28.0	405	33.1	396	38.2
			1,760	549	21.4	542	24.5	536	27.6	524	33.7	514	39.8	504	45.9
			2,050	655	25.0	649	28.5	642	32.1	631	39.2	620	46.4	610	53.5
8HP 8HVP	4"-S	0.566	880	363	16.5	354	18.9	345	21.2	329	26.0	315	30.7	301	35.4
			1,170	528	22.0	518	25.1	509	28.3	493	34.5	479	40.8	465	47.1
			1,375	644	25.8	634	29.5	626	33.2	609	40.6	595	48.0	581	55.3
			1,800	884	33.8	875	38.6	866	43.5	850	53.1	835	62.8	822	72.4

Sutorbilt® Legend™ Vacuum Performance Data

LOW VACUUM UNITS

SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	2 "Hg		4 "Hg		8 "Hg		10 "Hg		12 "Hg		14 "Hg	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
2LP 2LVP	2"-S	0.035	2,800	82	0.7	74	1.1	61	2.0	55	2.5				
			3,250	98	0.7	90	1.3	77	2.3	71	2.8	64	3.4		
			3,560	108	0.8	101	1.4	88	2.5	82	3.1	75	3.7		
			4,165	130	0.9	122	1.6	109	2.9	103	3.6	96	4.3		
			5,275	168	1.1	161	1.9	148	3.6	142	4.5	135	5.2	128	6.0
3LP 3LVP	2½"-S	0.104	1,760	158	1.1	147	1.9	128	3.6	118	4.5	108	5.1		
			2,265	211	1.3	200	2.4	180	4.6	171	5.5	160	6.6		
			2,770	264	1.5	252	2.9	233	5.4	223	6.7	213	8.1		
			3,600	350	1.9	338	3.7	319	7.0	309	8.7	299	10.5	288	12.2
4LP 4LVP	3"-S	0.170	1,760	266	1.6	250	3.0	224	5.6	211	7.0	197	8.4		
			2,190	339	1.9	323	3.7	297	6.9	284	8.7	270	10.4		
			2,620	412	2.3	396	4.3	370	8.3	357	10.4	343	12.4	329	14.5
			3,600	579	3.1	563	5.7	537	11.4	524	14.3	510	17.1	495	20.0
5LP 5LVP	4"-S	0.350	1,500	480	2.6	459	5.1	424	9.8	406	12.2	388	14.7		
			1,760	571	3.1	550	5.7	515	11.5	497	14.3	479	17.2	459	20.1
			2,100	690	3.6	669	6.8	634	13.7	616	17.1	598	20.5	578	24.0
			2,850	953	4.8	932	9.3	896	18.6	879	23.2	860	27.9	840	32.5
6LP 6LVP	6"-F	0.718	1,170	766	4.1	732	7.8	674	15.7	645	19.6	615	23.5		
			1,760	1,190	5.9	1,115	11.8	1,097	23.5	1,068	29.4	1,038	35.3	1,005	41.2
			1,930	1,312	6.5	1,278	12.9	1,219	25.8	1,191	32.3	1,160	38.7	1,127	45.2
			2,350	1,614	7.9	1,579	15.7	1,521	31.4	1,492	39.3	1,462	47.2	1,429	55.0
7LP 7LVP	8"-F	1.200	1,170	1,312	6.5	1,268	13.1	1,195	26.2	1,159	32.7	1,121	39.2		
			1,465	1,666	8.2	1,622	16.4	1,549	32.8	1,513	40.9	1,475	49.1		
			1,760	2,020	9.8	1,976	19.7	1,903	39.3	1,867	49.2	1,829	59.0		
			2,050	2,368	11.5	2,324	22.9	2,251	45.8	2,215	57.3	2,177	68.7		
8LP 8LVP	10"-F	1.740	880	1,411	7.1	1,355	14.3	1,261	28.5	1,214	35.7	1,165	42.8		
			1,170	1,916	9.5	1,860	19.0	1,766	37.9	1,719	47.4	1,670	56.9		
			1,375	2,273	11.1	2,217	22.3	2,122	44.6	2,076	55.7	2,026	66.9		
			1,800	3,012	14.6	2,953	29.2	2,862	58.4	2,815	72.9	2,765	87.6		

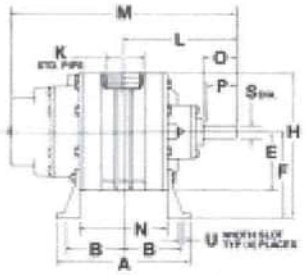
MEDIUM VACUUM UNITS

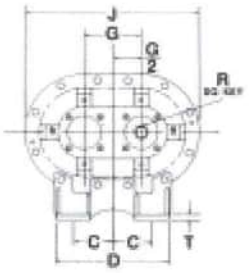
SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	6 "Hg		10 "Hg		12 "Hg		14 "Hg		15 "Hg		16 "Hg	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
2MP 2MVP	1"-S	0.017	2,800	31	0.8	24	1.2								
			3,250	39	0.9	32	1.4								
			3,560	44	0.9	37	1.5	34	1.8						
			4,165	54	1.1	48	1.7	44	2.1	40	2.4				
			5,275	73	1.4	67	2.2	63	2.6	59	3.0	57	3.2		
3MP 3MVP	2"-S	0.060	1,760	76	1.6	63	2.6	57	3.1						
			2,265	106	2.0	93	3.3	87	3.9						
			2,770	136	2.4	124	4.0	117	4.7	110	5.4				
			3,600	186	3.1	174	5.0	167	6.0	160	7.0	156	7.5		
4MP 4MVP	2½"-S	0.117	1,760	161	3.0	142	4.9	132	5.8						
			2,190	211	3.7	193	6.0	183	7.2						
			2,620	262	4.4	243	7.1	233	8.6	222	10.0				
			3,600	376	5.9	358	9.8	348	11.8	337	13.7	331	14.7	325	15.7
5MP 5MVP	4"-S	0.210	1,500	258	4.5	235	7.3	223	8.8	209	10.3				
			1,760	313	5.2	290	8.6	277	10.3	264	12.1				
			2,100	384	6.2	361	10.3	349	12.3	335	14.4	328	15.4		
			2,850	542	8.4	519	13.9	506	16.7	493	19.5	485	20.9	477	22.3
6MP 6MVP	5"-S	0.383	1,170	363	6.3	328	10.4	310	12.5	290	14.6	279	15.7	267	16.7
			1,760	589	9.4	554	15.7	536	18.8	516	22.0	505	23.5	493	25.1
			1,930	655	10.3	619	17.2	601	20.7	581	24.1	570	25.8	558	27.5
			2,350	815	12.6	780	21.0	762	25.2	741	29.3	731	31.4	719	33.5
7MP 7MVP	6"-F	0.733	1,170	738	12.0	688	20.0	662	24.0	633	28.0	618	30.0	601	32.0
			1,465	954	15.0	904	25.0	878	30.0	850	35.0	834	37.5	817	40.0
			1,760	1,170	18.0	1,121	30.0	1,094	36.1	1,065	42.1	1,050	45.1	1,034	48.1
			2,050	1,383	21.0	1,333	35.0	1,307	42.0	1,278	49.0	1,263	52.5	1,246	56.0
8MP 8MVP	8"-F	1.040	880	765	12.8	703	21.3	670	25.6	634	29.8	615	32.0	594	34.1
			1,170	1,067	17.0	1,005	28.3	972	34.0	936	39.7	917	42.5	896	45.3
			1,375	1,280	20.0	1,218	33.3	1,185	40.0	1,149	46.6	1,130	50.0	1,109	53.3
			1,800	1,722	26.2	1,660	43.6	1,627	52.3	1,591	61.0	1,572	65.4	1,551	69.7

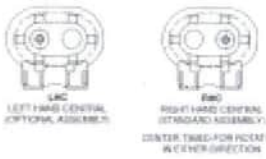
HIGH VACUUM UNITS

SIZE	DIA. INLET & OUTLET	DISPL. CU. FT./REV.	RPM	6 "Hg		8 "Hg		12 "Hg		14 "Hg		15 "Hg		16 "Hg	
				CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP	CFM	BHP
3HP 3HVP	1¼"-S	0.045	1,760	55	1.1	50	1.5	40	2.2						
			2,265	78	1.4	73	1.9	62	2.8						
			2,770	100	1.7	95	2.3	85	3.5	79	4.1	76	4.4		
			3,600	138	2.3	133	3.0	122	4.5	117	5.3	113	5.7	110	6.0
4HP 4HVP	1½"-S	0.069	1,760	91	1.7	85	2.3	72	3.4						
			2,190	121	2.1	115	2.8	102	4.2	95	4.9	91	5.3		
			2,620	151	2.5	144	3.4	132	5.1	124	5.9	120	6.3		
			3,600	218	3.5	212	4.6	199	6.9	192	8.1	188	8.7	184	9.3
5HP 5HVP	2½"-S	0.140	1,500	170	2.9	161	3.9	144	5.9	134	6.8				
			1,760	206	3.4	198	4.6	180	6.9	171	8.0	165	8.6		
			2,100	254	4.1	245	5.5	228	8.2	218	9.6	213	10.3		
			2,850	359	5.6	350	7.4	333	11.2	323	13.0	318	14.0	312	14.9
6HP 6HVP	3"-S	0.227	1,170	209	3.7	197	4.8	173	7.4	159	8.7	152	9.3		
			1,760	343	5.6	331	7.4	307	11.2	293	13.0	286	14.0	278	14.9
			1,930	381	6.1	370	8.2	345	12.2	332	14.3	325	15.3	317	16.3
			2,350	477	7.5	165	9.9	441	14.9	427	17.4	420	18.6	412	19.9
7HP 7HVP	4"-S	0.367	1,170	359	6.0	344	8.0	314	12.0	297	14.0	288	15.0	278	16.0
			1,465	467	7.5	453	10.0	422	15.0	406	17.5	396	18.8	387	20.0
			1,760	575	9.0	561	12.0	531	18.1	514	21.1	505	22.6	495	24.1
			2,050	682	10.5	667	14.0	637	21.0	620	24.5	611	26.3	601	28.0
8HP 8HVP	4"-S	0.566	880	400	7.0	380	9.3	338	13.9	315	16.2	302	17.4		
			1,170	564	9.3	544	12.3	502	18.5	479	21.6	466	23.1	453	24.7
			1,375	680	10.9	660	14.5	618	21.7	595	25.4	582	27.2	569	29.0
			1,800	921	14.2	901	19.0	859	28.5	835	33.2	823	35.6	809	38.0

Sutorbilt® Legend™ Dimensional Data

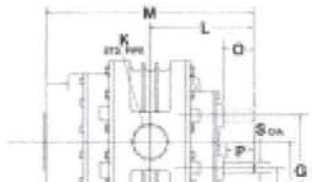


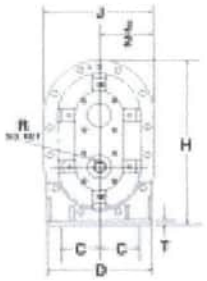




Horizontal Configurations

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
2M	36	S	5	2	2	6⅝	3¼	3¾	2¾	7	9¼	1	5 5/32	10	2¾	1 5/16	1 1/16	3/16	.625	⅛	7/16
2L	39	S	7	3	2	6⅝	3¼	3¾	2¾	7	9¼	2	6 5/32	12	4¾	1 5/16	1 1/16	3/16	.625	⅛	7/16
3H	71	S	6¾	2 1/16	2⅛	7¾	3⅛	5	3½	8¾	11¼	1¼	5 3/16	11⅛	3½	2	1 1/16	3/16	.750	¼	½ x ¾
3M	79	S	7¾	3¼	2⅛	7¾	3⅛	5	3½	8¾	11¼	2	6¼	12⅜	4⅛	2	1 1/16	3/16	.750	¼	½ x ¾
3L	95	S	10¼	4 3/16	2⅛	7¾	3⅛	5	3½	8¾	11¼	2½	7 9/16	15⅛	7	2	1 1/16	3/16	.750	¼	½ x ¾
4H	106	S	7¼	3	3	8	4 3/16	6¼	4	10 7/16	12⅜	1½	6¼	13¼	4	2⅜	2⅛	3/16	.875	⅜	½ x ¾
4M	125	S	9½	4¼	3	8	4 3/16	6¼	4	10 7/16	12⅜	2½	8	16	6¼	2⅜	2⅛	3/16	.875	⅜	½ x ¾
4L	150	S	12	5⅜	3	8	4 3/16	6¼	4	10 7/16	12⅜	3	9¼	18½	8¼	2⅜	2⅛	3/16	.875	⅜	½ x ¾
5H	205	S	8½	3½	3½	9	5 3/16	7	5	12 3/16	15⅜	2½	8 3/16	17 7/16	4⅛	2½	2¼	¼	1.125	⅜	9/16 x ¾
5M	237	S	10½	4½	3½	9	5 3/16	7	5	12 3/16	15⅜	4	9 3/16	19 3/16	6⅛	2½	2¼	¼	1.125	⅜	9/16 x ¾
5L	270	S	14½	6½	3½	9	5 3/16	7	5	12 3/16	15⅜	4	11 3/16	23 3/16	10⅛	2½	2¼	¼	1.125	⅜	9/16 x ¾
6H	389	S	9¾	3 1/16	4	11	6	8¾	6	14¾	18	3	9 3/16	19⅛	5¾	2 5/16	1 21/32	5/16	1.375	½	¾ x 1
6M	426	S	13	5 3/16	4	11	6 1/16	8¾	6	15 5/16	18	5	10 3/16	22⅛	9	2 5/16	1 21/32	5/16	1.375	½	¾ x 1
6L	565	F	20	9 1/16	4	11	7½	8¾	6	16¼	18	6	14 5/16	29⅛	16	2 5/16	1 21/32	5/16	1.375	½	¾ x 1
7H	523	S	12	4⅜	5½	15	9 1/16	11	7	20 1/16	22	4	10	21⅛	5⅜	3 3/16	2⅛	⅜	1.562	½	¾ x 1
7M	671	F	17½	7⅜	5½	15	8½	11	7	19½	22	6	12¾	26⅜	11¼	3 3/16	2⅛	⅜	1.562	½	¾ x 1
7L	804	F	24½	10⅜	5½	15	8½	11	7	19½	22	8	16¼	33⅜	18¼	3 3/16	2⅛	⅜	1.562	½	¾ x 1
8H	820	S	13½	5¾	6	16	10	12½	8	22½	25¼	4	11 1/16	24	7¾	3⅛	3⅜	⅜	1.750	½	¾ x 1
8M	996	F	19	8½	6	16	10	12½	8	22½	25¼	8	14 7/16	29½	13¼	3⅛	3⅜	⅜	1.750	½	¾ x 1
8L	1,260	F	27	12½	6	16	10	12½	8	22½	25¼	10	18 7/16	37½	21¼	3¼	3⅜	⅜	1.750	½	¾ x 1







Vertical Configurations

SIZE	WT.	CONN.	A	B	C	D	E	F	G	H	J	K	L	M	N	O	P	R	S	T	U
2MV	36	S	5	2	1½	5⅝	3½	4⅞	6¼	9½	6½	1	5 5/32	10	2¾	1 5/16	1 1/16	3/16	.625	⅛	7/16
2LV	39	S	7	3	1½	5⅝	3½	4⅞	6¼	9½	6½	2	6 5/32	12	4¾	1 5/16	1 1/16	3/16	.625	⅛	7/16
3HV	71	S	6¾	2 1/16	2½	6¾	4½	6¼	8	11⅛	7¾	1¼	5 3/16	11⅛	3½	2	1 1/16	3/16	.750	¼	½ x ¾
3MV	79	S	7¾	3 1/16	2½	6¾	4½	6¼	8	11⅛	7¾	2	6¼	12⅜	4⅛	2	1 1/16	3/16	.750	¼	½ x ¾
3LV	95	S	10¼	4 3/16	2½	6¾	4½	6¼	8	11⅛	7¾	2½	7 9/16	15⅛	7	2	1 1/16	3/16	.750	¼	½ x ¾
4HV	106	S	7¼	3	3	8	4½	6½	8½	12 1/16	8¾	1½	6¼	13¼	4	2⅜	2⅛	3/16	.875	⅜	½ x ¾
4MV	125	S	9½	4¼	3	8	4½	6½	8½	12 1/16	8¾	2½	8	16	6¼	2⅜	2⅛	3/16	.875	⅜	½ x ¾
4LV	150	S	12	5⅜	3	8	4½	6½	8½	12 1/16	8¾	3	9¼	18½	8¼	2⅜	2⅛	3/16	.875	⅜	½ x ¾
5HV	205	S	8½	3½	3½	9	5½	8	10½	15 1/16	10⅜	2½	8 3/16	17 7/16	4⅛	2½	2¼	¼	1.125	⅜	9/16 x ¾
5MV	237	S	10½	4½	3½	9	5½	8	10½	15 1/16	10⅜	4	9 3/16	19 3/16	6⅛	2½	2¼	¼	1.125	⅜	9/16 x ¾
5LV	270	S	14½	6½	3½	9	5½	8	10½	15 1/16	10⅜	4	11 3/16	23 3/16	10⅛	2½	2¼	¼	1.125	⅜	9/16 x ¾
6HV	389	S	9¾	3 1/16	4	11	8¼	11¾	14¾	20¾	12	3	9 3/16	19⅛	5¾	2 5/16	1 21/32	5/16	1.375	½	¾ x 1
6MV	426	S	13	5 3/16	4	11	8¼	11¾	14¾	20¾	12¾	5	10 3/16	22⅛	9	2 5/16	1 21/32	5/16	1.375	½	¾ x 1
6LV	565	F	20	9 1/16	4	11	8¼	11¾	14¾	20¾	15	6	14 5/16	29⅛	16	2 5/16	1 21/32	5/16	1.375	½	¾ x 1
7HV	523	S	12	4⅜	5½	14	11	14½	18	25½	19⅜	4	10	21⅛	5⅜	3 3/16	2⅛	⅜	1.562	½	¾ x 1
7MV	671	F	17½	7⅜	5½	14	11	14½	18	25½	17	6	12¾	26⅜	11¼	3 3/16	2⅛	⅜	1.562	½	¾ x 1
7LV	804	F	24½	10⅜	5½	14	11	14½	18	25½	17	8	16¼	33⅜	18¼	3 3/16	2⅛	⅜	1.562	½	¾ x 1
8HV	820	S	13½	5¾	6	16	12½	16½	20½	29⅛	20	4	11 1/16	24	7¾	3⅛	3⅜	⅜	1.750	½	¾ x 1
8MV	996	F	19	8½	6	16	12½	16½	20½	29⅛	20	8	14 7/16	29½	13¼	3⅛	3⅜	⅜	1.750	½	¾ x 1
8LV	1,260	F	27	12½	6	16	12½	16½	20½	29⅛	20	10	18 7/16	37½	21¼	3¼	3⅜	⅜	1.750	½	¾ x 1

S=Threaded connections std. NPT. F=flange connections. Intake and outlet connections are same type and size. Dimensions in inches, weight in pounds. Dimensions for installation purposes will be furnished upon request.



Protect your Sutorbilt investment with AEON™ PD, the only lubricant specially formulated for all blowers in any environment.

- 100% synthetic for matchless service life.
- Retains its superior lubricating properties a minimum of four times longer than a premium grade mineral oil at most operating conditions.
- Eliminates seasonal oil viscosity grade changes.
- Superior lubrication in severe, high temperature applications.
- Available from your local authorized Sutorbilt distributor in convenient sizes to meet your needs.
- Food grade lubricant available.



Retain your Sutorbilt advantage with Genuine Gardner Denver Replacement Parts.

- Gardner Denver guarantees to supply the proper parts for your specific blower every time. Replacement parts incorporate the most recent design upgrades.
- All parts meet Gardner Denver original manufacturing specifications and tolerances for guaranteed fit and function.
- Pre-packaged overhaul kits with detailed service manuals are available from your local authorized Sutorbilt distributor.

Contact Your Sutorbilt Representative

Other Gardner Denver Brochures Available

CycloBlower XP Series Blowers/Vacuum Pumps



DuroFlow Industrial Series Blowers/Vacuum Pumps



Sutorbilt Methane Gas Blowers/Vacuum Pumps



Gardner Denver

For additional information, contact your local representative or

Gardner Denver Blower Division
100 Gardner Park, Peachtree City, GA 30269
Toll Free 800-543-7736 ext. 486
Phone 770-632-5000 • Fax 770-486-5629
E-mail: blowersmktg@gardnerdenver.com
Visit our web site: www.gardnerdenver.com

For Parts Information, Contact:
Gardner Denver Blower Division Customer Service
Phone 770-632-5000 • Fax 770-486-5629

Series 1800

Low Differential Pressure Switches for General Industrial Service

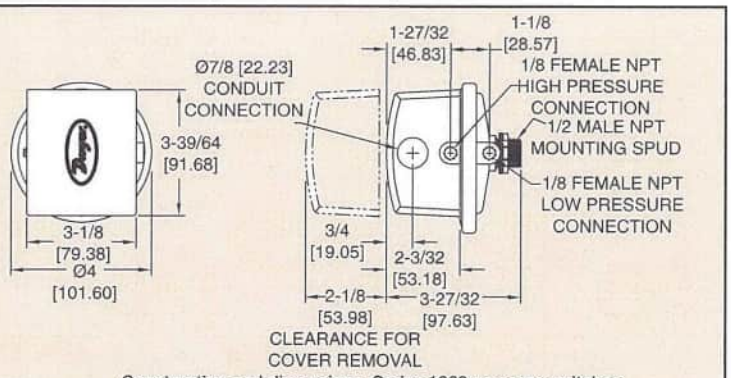
Set Points from 0.07" to 85" w.c. Repetitive Accuracy within 2%



Model 1823 pressure switch. UL and CSA Listed, FM approved.



Series 1823 pressure switch. Conduit enclosure removed to show electric switch.



Construction and dimensions. Series 1823 pressure switches.

Essential for industrial environments, the Series 1800 combines small size and low price with 2% repeatability for enough accuracy for all but the most demanding applications. Set point adjustment inside the mounting stud permits mounting switch on one side of a wall or panel with adjustment easily accessible on the opposite side. UL and CSA listed, FM approved.

CAUTION: FOR USE ONLY WITH AIR OR COMPATIBLE GASES.

SERIES 1823 SWITCHES — MODELS OPERATING RANGES & DEADBANDS

Model Number	Operating Range, Inches W.C.	Approximate Dead Band	
		At Min. Set Point	At Max. Set Point
1823-00	0.07 to 0.22	0.05	0.05
1823-0	0.15 to 0.5	0.06	0.06
1823-1	0.3 to 1.0	0.08	0.08
1823-2	0.5 to 2.0	0.10	0.12
1823-5	1.5 to 5.0	0.14	0.28
1823-10	2.0 to10	0.18	0.45
1823-20	3 to 22	0.35	0.70
1823-40	5 to 44	0.56	1.10
1823-80	9 to 85	1.30	3.0

SPECIAL MODELS AVAILABLE

ATEX (Approval Pending) Housing: Cast iron base with brass cover. Explosion-proof housing, EExd and NEMA-7&9 rated; Change base number to 1824 and add -CN suffix.
Example: 1824-1-CN

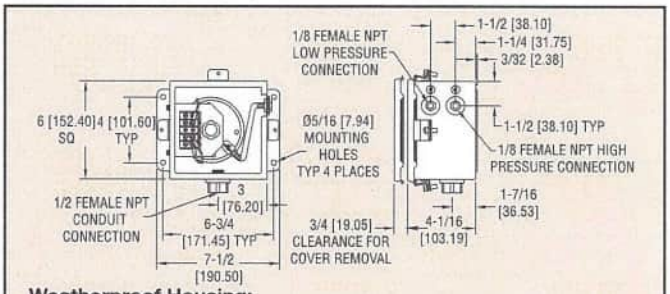


MIL Environmental Construction — Unlisted Model 1820 can be furnished with a special sealed snap switch for protection against high humidity, fungus and/or military applications. Similar to Model 1823 except dead band is slightly greater and some lower setpoints may not be possible. To order, add suffix -MIL.
Example: 1820-2-MIL.

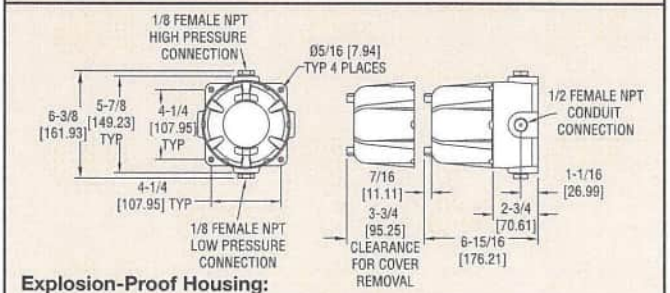
No. A-389 Mounting Bracket is 16 ga. steel, zinc plated and dichromate dipped for corrosion resistance. Provides rugged, permanent mounting and speeds installation.

SPECIFICATIONS

Service: Air and non-combustible, compatible gases.
Wetted Materials: Consult Factory.
Temperature Limits: -30 to 180°F (-34 to 82.2°C). 1823-00, -20 to 180°F (-28.9 to 82.2°C).
Pressure Limits: 10 psig (68.95 kPa) continuous, 25 psig (172.4 kPa) surge.
Switch Type: Single-pole double-throw (SPDT).
Repeatability: ±2%.
Electrical Rating: 15 A @ 120-480 VAC, 60 Hz. Resistive 1/8 HP @125 VAC, 1/4 HP @ 250 VAC, 60 Hz. De-rate to 10 A for operation at high cycle rates.
Electrical Connections: 3 screw type, common, normally open and normally closed.
Process Connections: 1/8" female NPT.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Set Point Adjustment: Screw type inside mounting spud.
Weight: 1 lb, 5 oz (595 g).
Agency Approvals: CE, UL, CSA, FM.



Weatherproof Housing:
16 ga. steel enclosure with gasketed cover (NEMA 4, IP66) for wet or oily conditions. Withstands 200 hour salt spray test. Wt. 5½ lbs. (2.5 kg). Switch must be factory installed. Change 1823 base number to 1824 and add -WP suffix.
Example: 1824-1-WP



Explosion-Proof Housing:
Cast iron base with aluminum cover. Rated Class I, Div. 1 & 2, Group D; Class II, Div. 1 & 2, Groups E, F, G; Class III and NEMA 7 CD, 9 EFG. Wt. 7½ lbs. (3.4kg). Switch must be factory installed. Change base number to 1824 and add -EXPL suffix.
Example: 1824-1-EXPL

Features

- Welded core tube provides higher pressure ratings
- Reliable, proven design with high flows
- Small poppet valves for tight shutoff
- Wide range of elastomers for specialty service applications
- Mountable in any position
- Tapped mounting holes in body standard

Construction

Valve Parts in Contact with Fluids		
Body	Brass	Cast 304 Stainless Steel
Seals and Discs	NBR or Cast UR	
Core Tube	305 Stainless Steel	
Core and Plugnut	430F Stainless Steel	
Springs	302 Stainless Steel	
Shading Coil	Copper	Silver

Electrical

Watt Rating and Power Consumption				Spare Coil Part No.			
	AC			General Purpose		Explosionproof	
DC Watts	Watts	VA Holding	VA Inrush	AC	DC	AC	DC
10.6	6.1*	16	30	238210	238510	238214	238514
18.6	9.1*	20	45	238210	238510	238214	238514
11.6	10.1	25	50	238610	238910	238614	238914
22.6	17.1	40	70	238610	238910	238614	238914

Standard Voltages: 24, 120, 240, 480 volts AC, 60 Hz (or 110, 220 volts AC, 50 Hz). 6, 12, 24, 120, 240 volts DC. Must be specified when ordering.
Other voltages available when required.

*On 50 hertz service, the rating for the 6.1/F solenoid is 8.1 watts, and the rating for the 9.1/F solenoid is 11.1 watts.

Solenoid Enclosures

Standard: Watertight, Types 1, 2, 3, 3S, 4, and 4X.

Optional: Explosionproof and Watertight, Types 3, 3S, 4, 4X, 6, 6P, 7, and 9. (To order, add prefix "EF" to catalog number)

See Optional Features Section for other available options.

Options

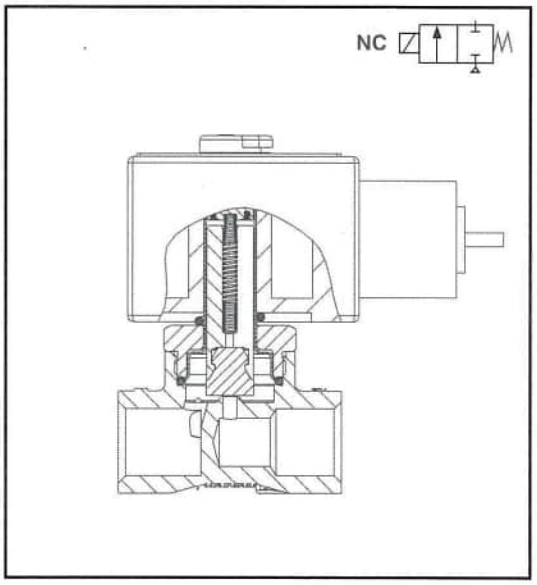
Mounting bracket (suffix MB)
Quarter-turn manual operator with screw slot (suffix MS)
Panel mount (prefix GP for conduit; ***consult ASCO for other electrical connections***)
Vacuum service (suffix VVM, VVH; ***see Vacuum Section for more details.***)
Oxygen service (suffix N)
Silicone Free (suffix SF)

Elastomers: FKM (suffix V), Ethylene Propylene (suffix E), CR (suffix J), Teflon (suffix T), Low Temp NBR (suffix A)

Note: For suffix A, Fluid temp. range -40°F to 167°F only for valves with 10.1, 17.1, 11.6, and 22.6 watt coils.

Refer to Engineering Section for fluid and temperature compatibility.





Nominal Ambient Temp. Ranges

The nominal limitation of 32°F (0°C) is advisable for any valve that might contain moisture (water vapor).

AC: -13°F to 131°F (-25°C to 55°C)

DC: -13°F to 104°F (-25°C to 40°C)
-13°F to 131°F (-25°C to 55°C)

Note: Max ambient for explosionproof (EF) is 125°F (52°C) for AC, 131°F (55°C) for DC.

Optional: For AC, the max. ambient temperature is 140°F (60°C) with Class H coil (with or without prefix EF)

Refer to Engineering Section for details.

Approvals

CSA certified. UL listed, as indicated. Safety Shutoff Valves FM approved. Meets applicable CE directives.

Refer to Engineering Section for details.

2/2 SERIES 8262 8263

ASCO®

Specifications (English units)

Pipe Size (in)	Orifice size (in)	Cv Flow Factor	Operating Pressure Differential (psi)									Max. Fluid Temp. °F		Catalog Number		Const. Ref.	UL Listing	Watt Rating/ Class of Coil Insulation	
			Max. AC@131°F			Max. DC@104°F			Max. DC@131°F										
			Air-Inert Gas	Water	Lt. Oil @ 300ssu	Air-Inert Gas	Water	Lt. Oil @ 300ssu	Air-Inert Gas	Water	Lt. Oil 300ssu	AC	DC	Brass	Stainless Steel			AC	DC
NORMALLY CLOSED (Closed when de-energized), NBR Disc																			
1/8	3/64	0.06	2200	2200	1700	-	-	-	-	-	-	140	-	-	8262H175 ①	1	●	10.1/F	-
1/8	3/64	0.06	-	-	-	2000	2000	1725	1900	1900	1700	-	140	-	8262H176 ①	1	●	-	22.6/H
1/8	3/64	0.06	-	-	-	1500	1500	1500	1500	1500	1500	-	140	8262H089 ①	-	1	●	-	22.6/H
1/8	3/64	0.06	2025	1710	825	965	745	720	920	700	675	140	140	-	8262H079 ①	2	●	9.1/F	18.6/H
1/8	3/64	0.06	1500	1350	825	750	620	565	700	565	530	140	140	8262H096 ①	-	2	●	6.1/F	10.6/H
1/8	3/64	0.06	1500	1350	825	-	-	-	-	-	-	140	-	-	8262H173 ①	2	●	6.1/F	-
1/8	3/64	0.06	1500	1500	1500	1170	1145	945	1000	965	855	140	140	8262H099 ①	-	1	●	10.1/F	11.6/H
1/8	3/64	0.06	750	750	725	750	640	550	750	600	500	180	180	8262H001	8262H012	2	❍	6.1/F	10.6/H
1/8	3/32	0.21	720	410	410	610	410	410	600	410	400	180	180	8262H277	8262H178	1	❍	17.1/F	22.6/H
1/8	3/32	0.21	-	-	-	290	290	270	240	240	255	180	180	-	8262H177	1	❍	-	11.6/H
1/8	3/32	0.21	500	350	325	295	210	205	285	200	195	180	180	8262H011	-	2	❍	9.1/F	18.6/H
1/8	3/32	0.21	370	330	190	235	160	160	215	150	145	180	180	8262H014	8262H015	2	❍	6.1/F	10.6/H
1/8	1/8	0.35	500	380	355	275	275	235	250	250	225	180	180	8262H105	8262H174	1	❍	17.1/F	22.6/H
1/8	1/8	0.35	340	300	215	-	-	-	-	-	-	-	180	-	8262H179	1	❍	10.1/F	-
1/8	1/8	0.35	275	260	195	165	130	130	155	120	120	180	180	8262H016	-	2	❍	9.1/F	18.6/H
1/8	1/8	0.35	185	180	120	130	110	95	120	100	90	180	180	8262H002	8262H006	2	❍	6.1/F	10.6/H
1/4	3/64	0.06	2200	2200	1700	1170	1145	945	1000	965	855	140	140	-	8262H214 ①	3	●	10.1/F	11.6/H
1/4	3/64	0.06	1500	1500	1500	1170	1145	945	1000	965	855	140	140	8262H200 ①	-	3	●	10.1/F	11.6/H
1/4	3/64	0.06	1500	1500	1500	1500	1500	1500	1500	1500	1500	140	140	8262H107 ①	-	3	●	17.1/F	22.6/H
1/4	3/64	0.06	-	-	-	2000	2000	1725	1900	1900	1700	-	140	-	8262H181 ①	3	●	-	22.6/H
1/4	3/64	0.06	1500	1350	825	750	620	530	700	565	495	140	140	8262H106 ①	8262H180 ①	4	●	6.1/F	10.6/H
1/4	3/64	0.06	750	750	725	750	640	550	750	600	500	180	180	8262H019	8262H080	4	❍	6.1/F	10.6/H
1/4	3/32	0.21	720	410	410	610	410	410	600	410	400	180	180	8262H109	8262H183	3	❍	17.1/F	22.6/H
1/4	3/32	0.21	590	410	410	290	290	270	240	240	225	180	180	8262H108	8262H182	3	❍	10.1/F	11.6/H
1/4	3/32	0.21	500	350	270	295	210	205	285	200	195	180	180	8262H021	-	4	❍	9.1/F	18.6/H
1/4	3/32	0.21	370	330	160	235	160	160	215	150	145	180	180	8262H020	8262H086	4	❍	6.1/F	10.6/H
1/4	1/8	0.35	500	380	355	275	275	235	250	250	225	180	180	8262H110	8262H185	3	❍	17.1/F	22.6/H
1/4	1/8	0.35	340	300	215	130	125	115	110	105	100	180	180	8262H232	-	3	❍	10.1/F	11.6/H
1/4	1/8	0.35	340	300	215	-	-	-	-	-	-	180	-	-	8262H184	3	❍	10.1/F	-
1/4	1/8	0.35	275	260	150	165	130	120	155	120	115	180	180	8262H023	-	4	❍	9.1/F	18.6/H
1/4	1/8	0.35	185	180	90	130	110	90	120	100	85	180	180	8262H022	8262H007	4	❍	6.1/F	10.6/H
1/4	5/32	0.52	300	210	210	135	135	135	115	115	115	180	180	8262H112	8262H187	3	❍	17.1/F	22.6/H
1/4	5/32	0.52	210	200	145	65	63	63	55	54	54	180	180	8262H202	-	3	❍	10.1/F	11.6/H
1/4	5/32	0.52	210	200	145	-	-	-	-	-	-	180	180	-	8262H220	3	❍	10.1/F	-
1/4	5/32	0.52	150	140	100	95	75	75	85	72	70	180	180	8262H113	-	4	❍	9.1/F	18.6/H
1/4	5/32	0.52	100	100	55	72	60	55	67	53	52	180	180	8262H111	8262H186	4	❍	6.1/F	10.6/H
1/4	7/32	0.73	125	125	125	70	70	70	65	65	65	180	180	8262H114	8262H188	3	❍	17.1/F	22.6/H
1/4	7/32	0.73	100	100	100	35	35	35	30	30	30	180	180	8262H208	-	3	❍	10.1/F	11.6/H
1/4	7/32	0.73	100	100	100	-	-	-	-	-	-	180	-	-	8262H226	3	❍	10.1/F	-
1/4	7/32	0.73	55	54	40	38	33	31	35	30	28	180	180	8262H013	8262H036	4	❍	6.1/F	10.6/H
1/4	9/32	0.88	90	90	90	53	50	47	48	46	44	180	180	8262H212	8262H230	3	❍	17.1/F	22.6/H
1/4	9/32	0.88	65	75	60	25	25	22	22	22	20	180	180	8262H210	-	3	❍	10.1/F	11.6/H
1/4	9/32	0.88	65	75	60	-	-	-	-	-	-	180	-	-	8262H189	3	❍	10.1/F	-
1/4	9/32	0.88	36	36	33	27	23	21	24	22	20	180	180	8262H090	8262H038	4	❍	6.1/F	10.6/H
3/8	1/8	0.35	500	380	355	275	275	160	250	250	150	180	180	8263H115	8263H191	5	❍	17.1/F	22.6/H
3/8	1/8	0.35	340	300	215	130	125	85	110	105	75	180	180	8263H232	-	5	❍	10.1/F	11.6/H
3/8	1/8	0.35	340	300	215	-	-	-	-	-	-	180	-	-	8263H190	5	❍	10.1/F	-
3/8	1/8	0.35	275	260	140	165	130	110	155	120	105	180	180	8263H003	-	6	❍	9.1/F	18.6/H
3/8	1/8	0.35	185	180	90	130	110	80	120	100	75	180	180	8263H002	8263H330	6	❍	6.1/F	10.6/H
3/8	5/32	0.52	300	210	195	135	135	100	115	115	90	180	180	8263H118	8263H193	5	❍	17.1/F	22.6/H
3/8	5/32	0.52	210	185	100	65	63	50	55	54	44	180	180	8263H200	-	5	❍	10.1/F	11.6/H
3/8	5/32	0.52	210	185	100	-	-	-	-	-	-	180	-	-	8263H331	5	❍	10.1/F	-
3/8	5/32	0.52	150	140	80	95	75	75	85	72	70	180	180	8263H117	-	6	❍	9.1/F	18.6/H
3/8	5/32	0.52	100	100	50	72	60	55	67	53	52	180	180	8263H116	8263H192	6	❍	6.1/F	10.6/H
3/8	7/32	0.73	125	100	100	70	70	70	65	65	65	180	180	8263H206	8263H332	5	❍	17.1/F	22.6/H
3/8	7/32	0.73	100	86	70	35	35	35	30	30	30	180	180	8263H124	-	5	❍	10.1/F	11.6/H
3/8	7/32	0.73	100	86	70	-	-	-	-	-	-	180	-	-	8263H195	5	❍	10.1/F	-
3/8	7/32	0.73	55	54	29	38	33	31	35	30	28	180	180	8263H119	8263H194	6	❍	6.1/F	10.6/H
3/8	9/32	0.88	100	85	70	53	50	47	48	46	44	180	180	8263H210	8263H333	5	❍	17.1/F	22.6/H
3/8	9/32	0.88	65	63	47	-	-	-	-	-	-	180	180	8263H125	8263H197	5	❍	10.1/F	-
3/8	9/32	0.88	35	32	21	27	23	21	24	22	20	180	180	8263H054	8263H196	6	❍	6.1/F	10.6/H

 ① Only available with UR disc, limits min. ambient temp. to 32°F (0°C); ● = General Purpose Valve, ❍ = Safety Shutoff Valve

Specifications (Metric units)

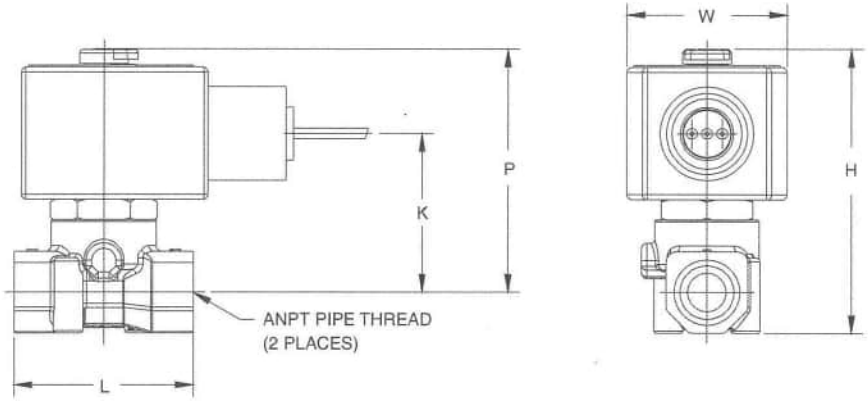
Pipe Size (in)	Orifice size (mm)	Kv Flow Factor (m^3/h)	Operating Pressure Differential (bar)									Max. Fluid Temp. °C		Catalog Number		Const. Ref.	UL Listing	Watt Rating/ Class of Coil Insulation	
			Max. AC@55°C			Max. DC@40°C			Max. DC@55°C										
			Air-Inert Gas	Water	Lt. Oil @ 300ssu	Air-Inert Gas	Water	Lt. Oil @ 300ssu	Air-Inert Gas	Water	Lt. Oil 300ssu	AC	DC	Brass	Stainless Steel			AC	DC
NORMALLY CLOSED (Closed when de-energized), NBR Disc																			
1/8	1.2	0.05	152	152	117	-	-	-	-	-	-	60	-	-	8262H175 ①	1	●	10.1/F	-
1/8	1.2	0.05	-	-	-	138	138	119	131	131	117	-	60	-	8262H176 ①	1	●	-	22.6/H
1/8	1.2	0.05	-	-	-	103	103	103	103	103	103	-	60	8262H089 ①	-	1	●	-	22.6/H
1/8	1.2	0.05	140	118	57	67	51	50	63	48	47	60	60	-	8262H079 ①	2	●	9.1/F	18.6/H
1/8	1.2	0.05	103	93	57	52	43	39	48	39	37	60	60	8262H096 ①	-	2	●	6.1/F	10.6/H
1/8	1.2	0.05	103	93	57	-	-	-	-	-	-	60	-	-	8262H173 ①	2	●	6.1/F	-
1/8	1.2	0.05	103	103	103	81	79	65	69	67	59	60	60	8262H099 ①	-	1	●	10.1/F	11.6/H
1/8	1.2	0.05	52	52	50	52	44	38	52	41	34	82	82	8262H001	8262H012	2	❍	6.1/F	10.6/H
1/8	2.4	0.18	50	28	28	42	28	28	41	28	28	82	82	8262H277	8262H178	1	❍	17.1/F	22.6/H
1/8	2.4	0.18	-	-	-	20	20	19	17	17	18	-	82	-	8262H177	1	❍	-	11.6/H
1/8	2.4	0.18	34	24	22	20	14	14	20	14	13	82	82	8262H011	-	2	❍	9.1/F	18.6/H
1/8	2.4	0.18	26	23	13	16	11	11	15	10	10	82	82	8262H014	8262H015	2	❍	6.1/F	10.6/H
1/8	3.2	0.30	34	26	24	19	19	16	17	17	16	82	82	8262H105	8262H174	1	❍	17.1/F	22.6/H
1/8	3.2	0.30	23	21	15	-	-	-	-	-	-	82	-	-	8262H179	1	❍	10.1/F	-
1/8	3.2	0.30	19	18	13	11	9	9	11	8	8	82	82	8262H016	-	2	❍	9.1/F	18.6/H
1/8	3.2	0.30	13	12	8	9	8	7	8	7	6	82	82	8262H002	8262H006	2	❍	6.1/F	10.6/H
1/4	1.2	0.05	152	152	117	81	79	65	69	67	59	60	60	-	8262H214 ①	3	●	10.1/F	11.6/H
1/4	1.2	0.05	103	103	103	81	79	65	69	67	59	60	60	8262H200 ①	-	3	●	10.1/F	11.6/H
1/4	1.2	0.05	103	103	103	103	103	103	103	103	103	60	60	8262H107 ①	-	3	●	17.1/F	22.6/H
1/4	1.2	0.05	-	-	-	138	138	119	131	131	117	-	60	-	8262H181 ①	3	●	-	22.6/H
1/4	1.2	0.05	103	93	57	52	43	37	48	39	34	60	60	8262H106 ①	8262H180 ①	4	●	6.1/F	10.6/H
1/4	1.2	0.05	52	52	50	52	44	38	52	41	34	82	82	8262H019	8262H080	4	❍	6.1/F	10.6/H
1/4	2.4	0.18	50	28	28	42	28	28	41	28	28	82	82	8262H109	8262H183	3	❍	17.1/F	22.6/H
1/4	2.4	0.18	41	28	28	20	20	19	17	17	16	82	82	8262H108	8262H182	3	❍	10.1/F	11.6/H
1/4	2.4	0.18	34	24	19	20	14	14	20	14	13	82	82	8262H021	-	4	❍	9.1/F	18.6/H
1/4	2.4	0.18	26	23	11	16	11	11	15	10	10	82	82	8262H020	8262H086	4	❍	6.1/F	10.6/H
1/4	3.2	0.30	34	26	24	19	19	16	17	17	16	82	82	8262H110	8262H185	3	❍	17.1/F	22.6/H
1/4	3.2	0.30	23	21	15	9	9	8	8	7	7	82	82	8262H232	-	3	❍	10.1/F	11.6/H
1/4	3.2	0.30	23	21	15	-	-	-	-	-	-	82	-	-	8262H184	3	❍	10.1/F	-
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1/4	3.2	0.30	13	12	6	9	8	6	8	7	6	82	82	8262H022	8262H007	4	❍	6.1/F	10.6/H
1/4	4.0	0.45	21	14	14	9	9	9	8	8	8	82	82	8262H112	8262H187	3	❍	17.1/F	22.6/H
1/4	4.0	0.45	14	14	10	4	4	4	4	4	4	82	82	8262H202	-	3	❍	10.1/F	11.6/H
1/4	4.0	0.45	14	14	10	-	-	-	-	-	-	82	-	-	8262H220	3	❍	10.1/F	-
1/4	4.0	0.45	10	10	7	7	5	5	6	5	5	82	82	8262H113	-	4	❍	9.1/F	18.6/H
1/4	4.0	0.45	7	7	4	5	4	4	5	4	4	82	82	8262H111	8262H186	4	❍	6.1/F	10.6/H
1/4	5.6	0.63	9	9	9	5	5	5	4	4	4	82	82	8262H114	8262H188	3	❍	17.1/F	22.6/H
1/4	5.6	0.63	7	7	7	2	2	2	2	2	2	82	82	8262H208	-	3	❍	10.1/F	11.6/H
1/4	5.6	0.63	7	7	7	-	-	-	-	-	-	82	-	-	8262H226	3	❍	10.1/F	-
1/4	5.6	0.63	4	4	3	3	2	2	2	2	2	82	82	8262H013	8262H036	4	❍	6.1/F	10.6/H
1/4	7.1	0.76	6	6	6	4	3	3	3	3	3	82	82	8262H212	8262H230	3	❍	17.1/F	22.6/H
1/4	7.1	0.76	4	5	4	2	2	2	2	2	1	82	82	8262H210	-	3	❍	10.1/F	11.6/H
1/4	7.1	0.76	4	5	4	-	-	-	-	-	-	82	-	-	8262H189	3	❍	10.1/F	-
1/4	7.1	0.76	2	2	2	2	2	1	2	2	1	82	82	8262H090	8262H038	4	❍	6.1/F	10.6/H
3/8	3.2	0.30	34	26	24	19	21	11	17	19	10	82	82	8263H115	8263H191	5	❍	17.1/F	22.6/H
3/8	3.2	0.30	23	21	15	9	9	6	8	7	5	82	82	8263H232	-	5	❍	10.1/F	11.6/H
3/8	3.2	0.30	23	21	15	-	-	-	-	-	-	82	82	-	8263H190	5	❍	10.1/F	-
3/8	3.2	0.30	19	18	10	11	9	8	11	8	7	82	82	8263H003	-	6	❍	9.1/F	18.6/H
3/8	3.2	0.30	13	12	6	9	8	6	8	7	5	82	82	8263H002	8263H330	6	❍	6.1/F	10.6/H
3/8	4.0	0.45	21	14	13	9	9	7	8	8	6	82	82	8263H118	8263H193	5	❍	17.1/F	22.6/H
3/8	4.0	0.45	14	13	7	4	4	3	4	4	3	82	82	8263H200	-	5	❍	10.1/F	11.6/H
3/8	4.0	0.45	14	13	7	-	-	-	-	-	-	82	-	-	8263H331	5	❍	10.1/F	-
3/8	4.0	0.45	10	10	6	7	5	5	6	5	5	82	82	8263H117	-	6	❍	9.1/F	18.6/H
3/8	4.0	0.45	7	7	3	5	4	4	5	4	4	82	82	8263H116	8263H192	6	❍	6.1/F	10.6/H
3/8	5.6	0.63	9	7	7	5	5	5	4	4	4	82	82	8263H206	8263H332	5	❍	17.1/F	22.6/H
3/8	5.6	0.63	7	6	5	2	2	2	2	2	2	82	82	8263H124	-	5	❍	10.1/F	11.6/H
3/8	5.6	0.63	7	6	5	-	-	-	-	-	-	82	-	-	8263H195	5	❍	10.1/F	-
3/8	5.6	0.63	4	4	2	3	2	2	2	2	2	82	82	8263H119	8263H194	6	❍	6.1/F	10.6/H
3/8	7.1	0.76	7	6	5	4	3	3	3	3	3	82	82	8263H210	8263H333	5	❍	17.1/F	22.6/H
3/8	7.1	0.76	4	4	3	-	-	-	-	-	-	82	-	8263H125	8263H197	5	❍	10.1/F	-
3/8	7.1	0.76	2	2	1	2	2	1	2	2	1	82	82	8263H054	8263H196	6	❍	6.1/F	10.6/H

① Only available with UR disc, limits min. ambient temp. to 32°F (0°C); ● = General Purpose Valve, ❍ = Safety Shutoff Valve

Dimensions: inches (mm)

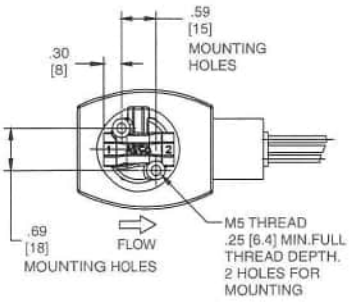
Const. Ref.		H	K	L	P	W
1	ins	3.05	1.71	1.19	2.69	1.95
	mm	77	43	30	68	50
2	ins	2.85	1.60	1.19	2.50	1.69
	mm	72	41	30	63	43
3	ins	3.12	1.79	1.56	2.76	1.95
	mm	79	45	40	70	50
4	ins	2.96	1.72	1.56	2.60	1.69
	mm	75	44	40	66	43
5	ins	3.20	1.79	1.88	2.77	1.95
	mm	81	45	48	70	50
6	ins	3.03	1.72	1.88	2.60	1.69
	mm	77	44	48	66	43

Const. Ref. 1-6

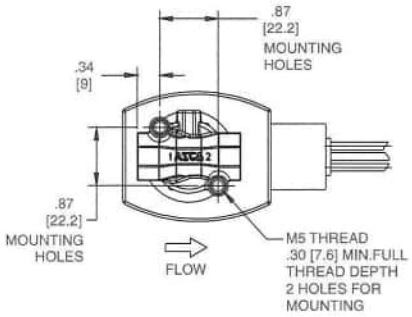


Mounting Dimensions

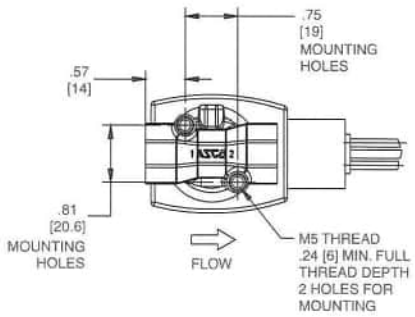
Const. Ref. 1, 2
(1/8" Pipe)



Const. Ref. 3, 4
(1/4" Pipe)



Const. Ref. 5, 6
(3/8" Pipe)



Note: Mounting holes will accept a standard #10-32 machine screw.

Models 215V and 337

KUNKLE

Model 215V is Non-code Vacuum and Model 337 is ASME Section VIII, Air/Gas Vacuum, 'UV' National Board Certified, Safety Valves. PED Certified for Non-Hazardous Gas.

Features

- **Large nozzle design** provides high capacity.
- **Flat bronze valve seats are lapped** for optimum performance.
- **Warn ring offers easy adjustability** for precise opening with minimum pre-open or simmer and exact blowdown control.
- **Pivot between disc and spring** corrects misalignment and compensates for spring side thrust.

Model Descriptions

- **Model 337 has 'pull-ring' lift device** for easy manual testing.
- **Every valve is 100% tested/inspected** for pressure setting, blowdown and leakage.
- **All adjustments are factory sealed** to prevent tampering or disassembly.

Option

- SS trim. (nozzle and disc) (Variation 03)

Applications

- Protection of low to medium pressure high volume blowers, compressors and pneumatic conveying systems.
- Bulk hauling trailers/equipment.
- Light gauge tanks.
- Protection of high volume vacuum pumps and conveying systems.



Vacuum Limits

Model 215V:
2-inch HG
to 29-inch HG
[67.7 to 982 mbarg]
-20° to 406°F [-29° to 208°C]

Pressure and Temperature Limits

Model 337:
1 to 60 psig [0.07 to 4.1 barg]
-20° to 406°F [-29° to 208°C]

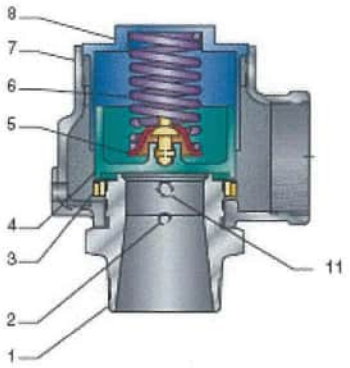
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Total Flow Control Solutions™

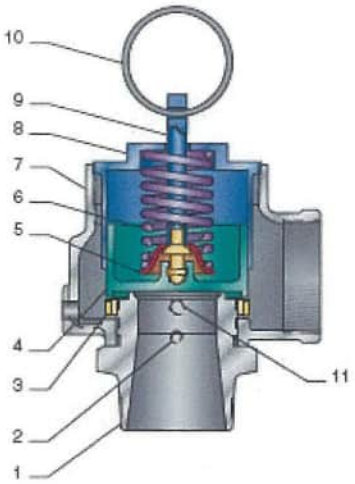
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Models 215V and 337

Parts and Materials



Model 215V



Model 337

Models 215V and 337

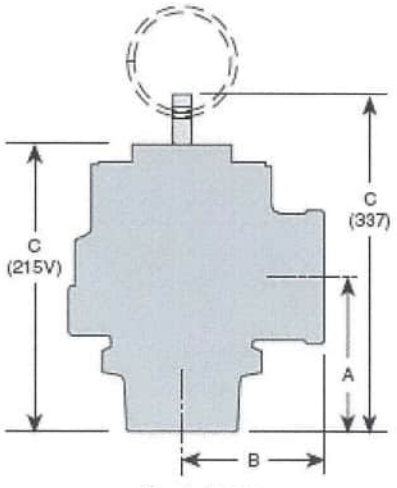
No.	Part Name	215V	337
1	Nozzle[1]	Bronze, SB62	Bronze, SB62
2	Set Screw	Steel A108-1018 Brass Plated	Steel A108-1018 Brass Plated
3	Regulator Ring	Bronze B584 Alloy 84400	Bronze B584-C84400
4	Disc[1]	Bronze B584 Alloy 84400	Bronze B584-C84400
5	Spring Step	Steel A-109 Coated[3]	Steel A109 Coated[3]
6	Spring	SS, A313 TY 302	SS A313-302
7	Body	Cast Iron, Zinc Plated, B633	Iron A-126, CL A or B
8	Compression Screw	Bronze, B-584 Alloy 84400	Bronze, B584-C84400
9	Stem[2]	N/A	Brass B16
10	Lift Ring[2]	N/A	SS A313-302
11	Regulator Ring Set Screw	N/A	Brass B16

Notes

1. Disc and nozzle available in SSA-479 TY 316.
2. Stem and lift ring available on Model 337 only.
3. Corrosion preventative coating.

Specifications

Size Inlet and Outlet	Dimensions, in [mm] A	B	C 215V	C 337	Weight lb [kg]
2" [50.8 mm]	3¼ [82.5]	3 [76.2]	6½ [165.1]	7 [177.8]	8 [3.6]
2½" [63.5 mm]	3¾ [95.2]	3½ [88.9]	7⅝ [194.6]	8 [203.2]	12 [5.4]
3" [76.2 mm]	4¼ [107.9]	4 [101.6]	8½ [215.9]	9 [228.6]	20 [4.1]



Model 337

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Models 215V and 337

Capacities

Model 337, Non-code[1] and ASME Section VIII Air (SCFM)

Set Pressure (psig)	Valve Inlet and Outlet Size 2"	2½"	3"
1	240	364	527
5	531	805	1166
10	741	1124	1628
15	948	1436	2081
20	1092	1656	2399
25	1237	1875	2718
30	1382	2095	3036
35	1542	2337	3386
40	1701	2578	3736
45	1860	2820	4086
50	2020	3061	4436
55	2179	3303	4786
60	2338	3544	5136

Note

1. No code stamp or 'NB' on nameplate below 15 psig set.

Model 337, Non-code[1] and ASME Section VIII Air [Metric, Nm³/h]

Set Pressure [barg]	Valve Inlet and Outlet Size 50 mm	63 mm	80 mm
0.5	1049	1589	2303
1.0	1457	2208	3200
1.5	1888	2861	4147
2.0	2295	3387	4910
2.5	2613	3959	5739
3.0	2995	4538	6579
3.5	3377	5117	7418
4.0	3760	5696	8258

Note

1. No code stamp or 'NB' on nameplate below 1.1 barg set.

Model 215V, Non-code Vacuum Air (SCFM)

Relief Set (in, HG)	Valve Inlet and Outlet Size 2" Orifice Area, in² 1.84	2½" Orifice Area, in² 2.79	3" Orifice Area, in² 4.04
2	229	347	503
5	398	512	742
10	415	630	912
15	426	646	936
20	426	646	936
29	426	646	936

Model 215V, Non-code Vacuum Air [Metric, Nm³/h]

Relief Set [mbarg]	Valve Inlet and Outlet Size 5.08 cm Orifice Area [11.86 cm²]	6.35 cm Orifice Area [17.97 cm²]	7.62 cm Orifice Area [26.05 cm²]
50	328	498	722
100	450	682	988
150	533	807	1170
200	593	899	1303
250	638	966	1400
300	669	1014	1470
350	690	1046	1516
400	701	1062	1540
450	704	1067	1546
500	704	1067	1546
550	704	1067	1546
600	704	1067	1546
650	704	1067	1546
700	704	1067	1546
750	704	1067	1546

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Models 215V and 337

Model Number/Order Guide

Model Number Position	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Example	2	1	5	V	—	H	0	1	A	Q	E	0	0	5	0

Model
215V
0337

Inlet Size
H - 2-inch [50.8 mm]
J - 2½-inch [63.5 mm]
K - 3-inch [76.2 mm]

Variation (01 through 99)
01 - Bronze Disc and Nozzle
03 - SS Disc and Nozzle
60 - BSP Connections

Design Revision
Indicates non-interchangeable revision. Current Design is at Revision 'A'

Valve Service
K - Air ASME Section VIII (Model 337 only)
Q - Vacuum (Model 215V only)
N - Non-code Air/Gas (Model 337 only)

Spring Material
E - SST Type 302
(H-Orifice up to 18 psi; J-Orifice up to 20 psi; K-Orifice up to 25 psi)
M - SST Type 17-7
(H-Orifice above 18 psi; J-Orifice above 20 psi; K-Orifice above 25 psi)

Set Pressure
Model 337, 1 psig [0.7 barg] (0001) through 60 psig [4.1 barg] (0060)
Model 215V, 2-inch HG [68 mbarg] (0002) through 29-inch HG [982 mbarg] (0029) vacuum

Facility Phone: 828-669-3700

Tyco Valves & Controls

www.kunklevalve.com

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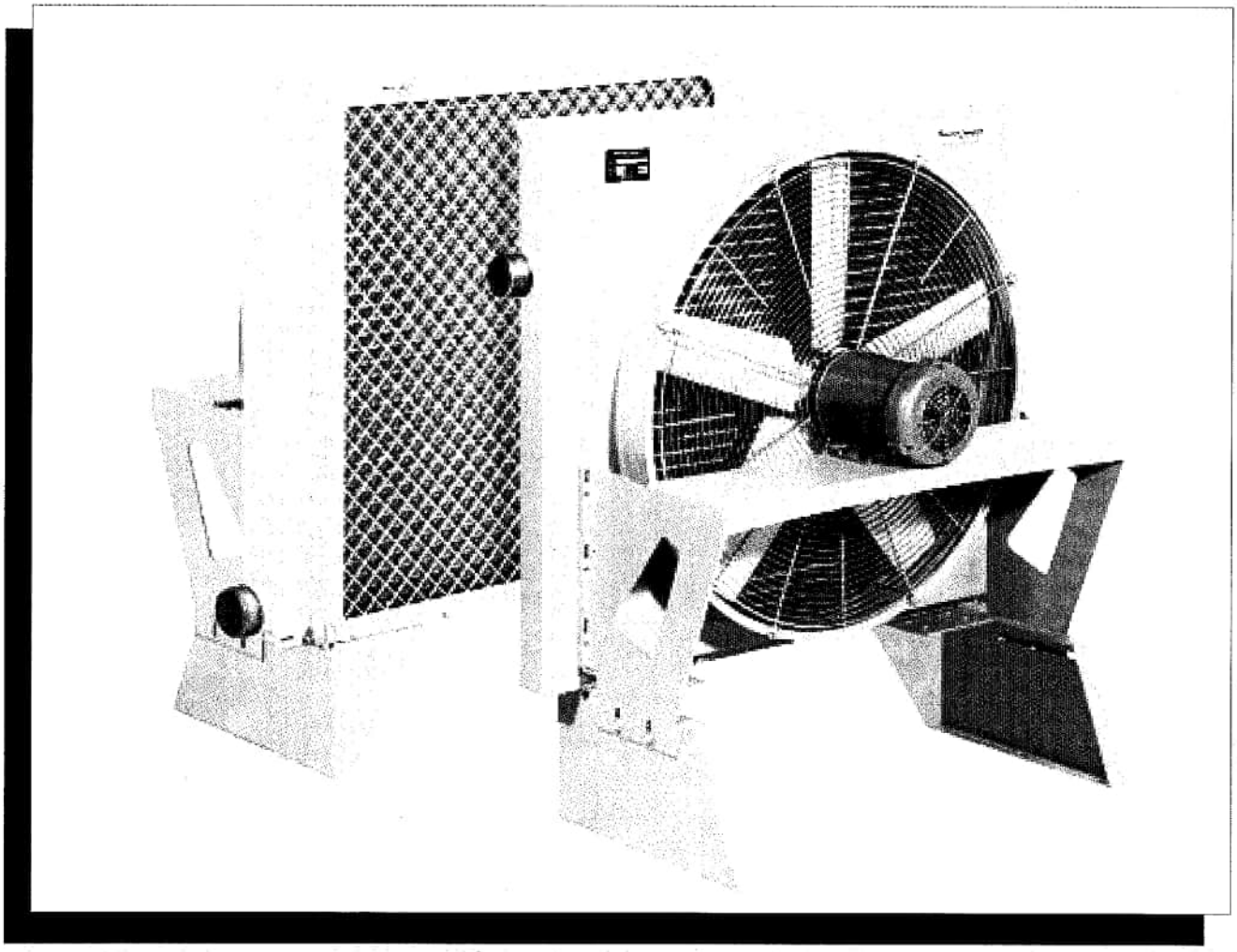
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Manufacturer of Quality Heat Exchangers



ACA SERIES



AIR COOLED

AFTERCOOLERS

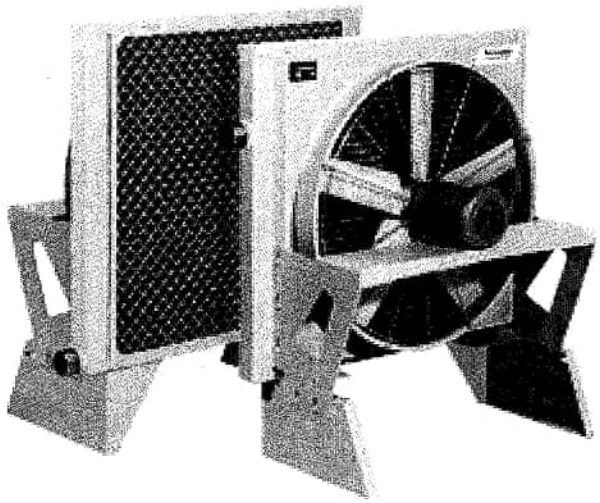
For Compressed Gas or Vapor

- Computer Selection.
- Low pressure drop available.
- Standard ports NPT, optional ANSI flange.
- Operating temperature of 400° F & pressure of 150PSI.
- Custom designs to fit your needs.
- Cools: Air, Compressors, Blowers, Steam vapors, Pneumatic systems, Vapor recovery systems etc...

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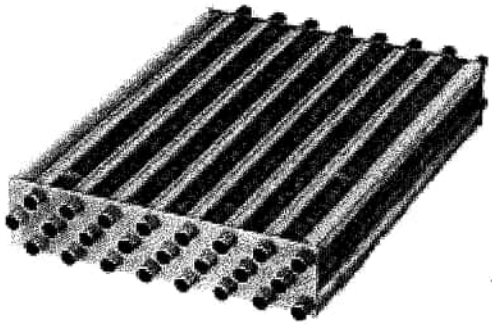


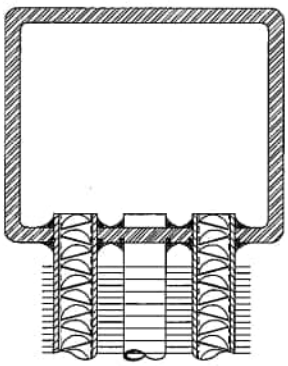
Brazed Core Construction

Air coolers are an essential part of any compressed air system, by cooling the air, and condensing water vapor into a liquid state for removal. When air is compressed, the compression induces heat into both the air and the water entrained in the air.
The American Industrial ACA series heat exchanger cools air with air, making it a simple inexpensive way to cool when compared to other water-cooled or refrigerant cooled systems. The unique compact brazed fin/tube design provides efficient cooling and low maintenance under the warmest environmental conditions. By using an ACA series air-cooled after cooler, machine tools will recieve cooler dryer air, provide longer trouble free life, experience less down time, and be cost effective to operate on a continuous basis.

SUPERIOR COOLING FINS

Copper tubes are mechanically bonded to highly efficient aluminum cooling fins. Die-formed fin collars provide a durable precision fit for maximum heat transfer. Custom fin design forces air to become turbulent and carry heat away more efficiently than old flat fin designs.





TANKS

State-of-the-art high temperature brazing method insures permanent bond and positive contact of tube to manifold, eliminating leaks and providing maximum service life.

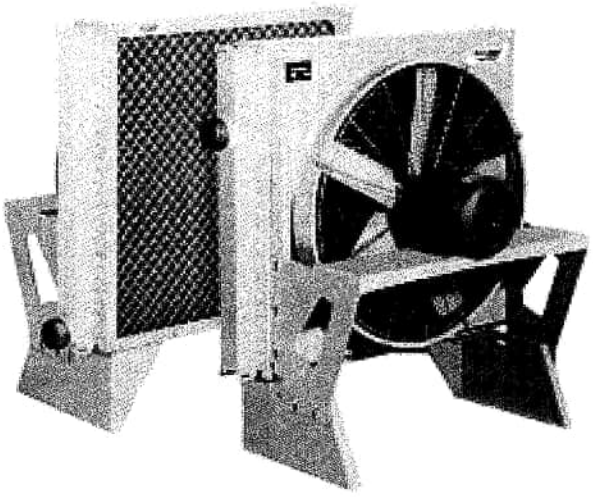
CONSTRUCTION MATERIALS & RATINGS

Standard Construction Materials		Standard Unit Ratings	
Tubes	Copper	Operating Pressure	150 psig
Fins	Aluminum	Operating Temperature	400 °F
Cabinet & Pipes	Steel	Consult factory for optional materials and ratings.	
Fan Guard	Zinc Plated Steel		
Manifolds	Steel		

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ACA - 6301 through ACA 6602



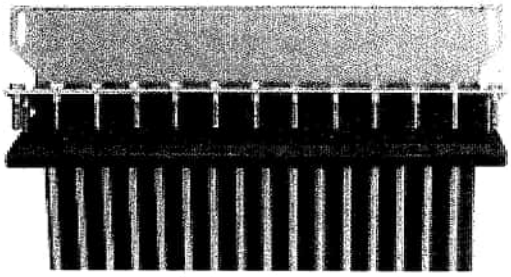
Serviceable Core® Construction

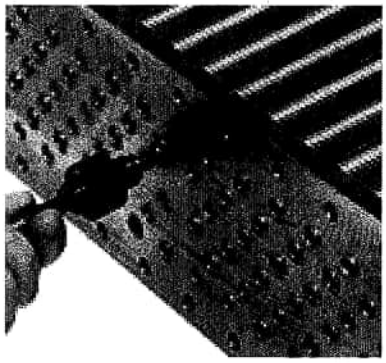
Air coolers are an essential part of any compressed air system, by cooling the air, and condensing water vapor into a liquid state for removal. When air is compressed, the compression induces heat into both the air and the water entrained in the air.

The American Industrial ACA series heat exchanger cools air with air, making it a simple inexpensive way to cool when compared to other water-cooled or refrigerant cooled systems. The unique compact *serviceable core®* design provides efficient cooling and low maintenance under the warmest environmental conditions. By using an ACA series air-cooled after cooler, machine tools will recieve cooler dryer air, provide longer trouble free life, experience less down time, and be cost effective to operate on a continuous basis.

SERVICEABLE CORE®

Core covers disassemble for easy access and cleaning. Repairable design for applications that require limited down time or in the event of a mishap requiring repair. Roller expanded tube to tube-sheet joint. 100% mechanical bond. Positive gasket seal is field replaceable for field maintenance or repair.





SUPERIOR COOLING FINS

Copper tubes are mechanically bonded to highly efficient aluminum cooling fins. Die-formed fin collars provide a durable precision fit for maximum heat transfer. Custom fin design forces air to become turbulent and carry heat away more efficiently than old flat fin designs.

CONSTRUCTION MATERIALS & RATINGS

Standard Construction Materials		Standard Unit Ratings	
Tubes	Copper	Operating Pressure	150 psig
Fins	Aluminum	Operating Temperature	400 °F
Cabinet & Pipes	Steel	Consult factory for optional materials and ratings.	
Fan Guard	Zinc Plated Steel		
Manifolds	Steel		

note: AIHTI reserves the right to make reasonable design changes without notice.

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Compressed Air

Normally air compressors have airflow rates based upon the horsepower. Rotary Screw compressors normally discharge air at 180 °f - 200 °f, prior to after-cooling. Reciprocating compressors normally discharge air at 250 °f - 275 °f, prior to after-cooling. Compressors are rated in CFM or cubic feet per minute of free air at inlet conditions. For practical purpose we will use sea level at 68 °f and 36% relative humidity as a norm. Altitude, differing ambient conditions with respect to temperature and humidity will all affect heat exchanger performance to a degree. Moisture content in air actually increases the Btu/hr load requirement for cooling air by adding an additional condensing load to the gas load requirement. As air rapidly cools, moisture in the compressed air stream will condense and separate into droplets, the more humidity present the more condensation will occur.

Sizing

The performance curves provided are for air. However, gases other than air may be applied to this cooler with respect to compatibility by applying a correction factor. Please take time to check the operating specifications thoroughly for material compatibility, pressure, and size before applying an American Industrial heat exchanger into your system.

Terms

Approach Temperature is the desired outlet temperature of the compressed gas minus the inlet ambient air temperature of the external air flowing over the coil.
SCFM (Standard Cubic Feet per Minute)
A cubic foot of air at 68 °f, 14.696 psia, & 36% relative humidity, per minute.
CFM (Cubic Feet per Minute)
Air at inlet atmospheric conditions.
ACFM (Actual Cubic Feet per Minute)
Air at current pressure, temperature, & humidity conditions without reference to a standard.

To Determine the Heat Load

If the heat load (Btu/hr) is unknown a value can be calculated based upon system operational requirements. To properly calculate the heat load (Btu/hr) to be rejected, several items must be known with certainty (see below).

- Flow rate SCFM (standard cubic feet pr minute)
- Type of gas and its makeup.
- System inlet pressure to the heat exchanger.
- Ambient temperature where the heat exchanger will be located (hotest condition).
- Temperature of the gas at the heat exchanger inlet.
- Temperature of the gas desired at heat exchanger outlet.
- Maximum acceptable pressure loss or cooled gas.

Using The Chart

American Industrial has created a quick reference chart for selecting ACA heat exchangers for Rotary Screw compressors (see page 214) [This chart offers basic information based upon compressor horsepower and average airflow rates. To properly use the chart, select the compressor horsepower at the left or the air flow rate. Next select the approach to ambient that is desired. Where the two columns intersect is shown the proper ACA model number.]

Using The Graphs

American Industrial provides performance graphs for ease of model selection. The following calculation examples (page 213), illustrate formulas to determine model selection sizes. It should be noted that there are some assumptions made when applying the basic principles for calculation in the formula. Altitude, humidity, materials, pressures, etc... all contribute to the final selection. Contact American Industrial for more detailed calculation.

Selection

The selection process is important, many considerations should be made when selecting a heat exchanger. Once the proper Fs requirement is calculated, it is time to apply the data to the graph and make a selection.
1) Find the Flow rate in SCFM located at the bottom of the graph. Follow the graph line up until it matches the calculated Fs from your calculations. If the point falls just above one of the model graphed lines, select the next larger size. If the point is on a line select it as your choice.
2) Check carefully the pressure differential. Units with operating pressures from 70+ psig will have no greater than 2.0 psid within the published flow range. For lower inlet pressure see the pressure drop curves for more detail.
3) Calculate a Nozzle size using the nozzle size calculation to verify your selection has the proper port sizes for your required inlet pressure.

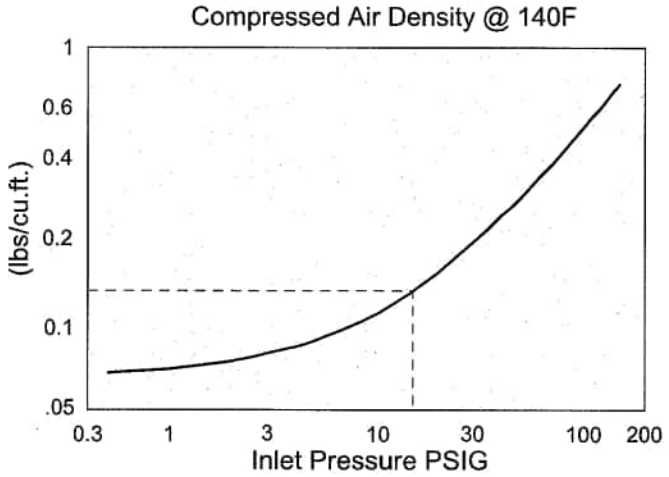
Formula: Nozzle Calculation

$$\text{Nozzle Size} = \sqrt{\frac{\left[\frac{(\text{SCFM} \times 4.512)}{(270{,}000 \times d)} \times 144\right]}{.7854}}$$

All numbers in equation are constants except for SCFM and (d) "density".

Example:
Flow rate = 200 SCFM
Pressure = 15 psig
Density = (d) from Compressed Air Density Graph

$$\sqrt{\frac{\left[\frac{(200 \times 4.512)}{(270{,}000 \times .14)} \times 144\right]}{.7854}} = 2.09\text{" or (2" Nozzle)}$$



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Examples: (Note: All air flow rates must be converted to SCFM)

Application 1 Air Rotary Screw Compressor

Determine the heat load "Q" =Btu/hr — $Q = [SCFM \times CF \times (T_1 - T_2)]$ or $[350 \times 1.13 \times 105^\circ] = 41{,}528$ Btu/hr

T_1 = Inlet gas temperature: 200°f

T_2 = Outlet gas temperature: Ambient + 10°f= (95°f) — Determine the Fs = $\frac{\text{Btu/hr}}{T_2 - T_a}$ or $\frac{41{,}528}{10}$ = **4,153 Fs** Refer to graph example on page 215

T_a = Ambient temperature: 85°f

Airflow rate: 350 SCFM

PSIG = Operating Pressure 100 psig

CF = Correction factor: 1.13 — $CF = (.0753 \times S \times C \times 60)$ or $(.0753 \times 1.0 \times .25 \times 60) = 1.13$

S = Specific gravity with air being 1.0

C = Specific heat (Btu/Lb °f): .25

Model Selection - ACA-4362

$$\sqrt{\frac{\left[\frac{(350 \times 4.512)}{(270{,}000 \times .50)} \times 144\right]}{.7854}} = 1.46\text{" or (1.5" minimum nozzle)}$$

Application 2 Methane Gas

Determine the heat load "Q" = Btu/hr — $Q = [SCFM \times CF \times (T_1 - T_2)]$ or $[500 \times 1.428 \times 210^\circ] = 149{,}940$ Btu/hr

T_1 = Inlet gas temperature: 300°f

T_2 = Outlet gas temperature: 90°f — Determine the Fs = $\frac{\text{Btu/hr}}{T_2 - T_a}$ or $\frac{149{,}940}{30}$ = **4,998 Fs** Refer to graph example on page 215

T_a = Ambient temperature: 60°f

Gas flow rate: 500 SCFM

PSIG = Operating pressure: 150 psig

CF = Correction factor: 1.428 — $CF = (.0753 \times S \times C \times 60)$ or $(.0753 \times .55 \times .575 \times 60) = 1.428$

S = Specific gravity with air being 1.0: .55

C = Specific heat (Btu/Lb °f)

Model Selection - ACA-6421

$$\sqrt{\frac{\left[\frac{(500 \times 4.512)}{(270{,}000 \times .74)} \times 144\right]}{.7854}} = 1.44\text{" or (1.5" minimum nozzle)}$$

Application 3 Low Pressure Blower

Determine the heat load "Q" = Btu/hr — $Q = [SCFM \times CF \times (T_1 - T_2)]$ or $[76 \times 1.13 \times 150^\circ] = 12{,}882$ Btu/hr

T_1 = Inlet gas temperature: 250°f

T_2 = Outlet gas temperature: 100°f — Determine the Fs = $\frac{\text{Btu/hr}}{T_2 - T_a}$ or $\frac{12{,}882}{10}$ = **1,288 Fs** Refer to graph example on page 215

T_a = Ambient temperature: 90°f

CF = Correction Factor: 1.13

PSIG = Operating pressure: 2 psig — To Convert

Airflow rate: 90 ACFM — ACFM to SCFM = $\frac{\text{ACFM} \times (\text{PSIG} + 14.7) \times 528}{(T_1 + 460) \times 14.7} = \frac{90 \times 16.7 \times 528}{710 \times 14.7} = 76$ SCFM

S = Specific gravity with air being 1.0

C = Specific heat (Btu/lb °f): .25

$\triangle P$ = 5" water column or less (example pg. 220)

Model Selection - ACA-3302

$$\sqrt{\frac{\left[\frac{(76 \times 4.512)}{(270{,}000 \times .075)} \times 144\right]}{.7854}} = 1.76\text{" or (2.0" minimum nozzle)}$$

Pressure Drop (see page 220 for graphs)

Since gas is compressible the density of the gas changes from one temperature or pressure to the next. While the mass flow rate may not change, the pressure differential across the heat exchanger will change dramatically from high (70-125 psig) to low (1-5 psig) pressure. A low pressure condition requires larger carrying lines to move flow than does the same gas rate under a higher pressure. At lower pressures the differential pressure across the heat exchanger can be quite high compared to the same flow rate at a higher pressure. For that reason it is suggested that the pressure differential graphs on page 220 be consulted prior to making your final selection.

The ACA series heat exchanger is designed to be easily modified to accept larger port sizes in the event your system pressure requires larger nozzles. Consult our engineering department for more exacting information regarding pressure differential issues.

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ACA Series *selection*

ROTARY SCREW COMPRESSORS
(200°F @125 PSI & 36% relative humidity)

Compressor Horse Power (HP)	Average Air Discharge Cubic feet per minute (SCFM)	Model Size Selection *Approach Temperature °F (T_2 - T_a)			
		5°F	10°F	15°F	20°F
15	60	ACA - 3302	ACA - 3242	ACA - 3242	ACA - 3182
20	80	ACA - 3302	ACA - 3242	ACA - 3242	ACA - 3182
30	130	ACA - 3362	ACA - 3302	ACA - 3242	ACA - 3242
40	165	ACA - 3362	ACA - 3302	ACA - 3302	ACA - 3242
60	250	ACA - 4362	ACA - 3362	ACA - 3302	ACA - 3302
75	350	ACA - 6362	ACA - 4362	ACA - 3362	ACA - 3302
100	470	ACA - 6362	ACA - 6362	ACA - 3362	ACA - 3362
125	590	ACA - 6422	ACA - 6362	ACA - 4362	ACA - 3362
150	710	ACA - 6422	ACA - 6362	ACA - 6362	ACA - 4362
200	945	ACA - 6482	ACA - 6422	ACA - 6362	ACA - 6362
250	1160	ACA - 6482	ACA - 6422	ACA - 6362	ACA - 6362
300	1450	ACA - 6542	ACA - 6482	ACA - 6422	ACA - 6362
350	1630	ACA - 6542	ACA - 6482	ACA - 6422	ACA - 6362
400	1830	ACA - 6602	ACA - 6482	ACA - 6422	ACA - 6422
500	2150	ACA - 6602	ACA - 6542	ACA - 6482	ACA - 6422

***Approach Temperature**
the desired outlet temperature of the compressed gas minus the inlet ambient air temperature of the external air flowing over the coil.

T_2 - Outlet gas temperature

T_a - Ambient temperature

Example of a model:

ACA - 3242 - 3 - __ - ____ - ____

Model
ACA

Size

Number of Passes
1P = 1 pass
2P = 2 pass

Drive Type
N = no motor
1 = single phase
3 = three phase
1EXP = single phase
3EXP = three phase
5 = 575 Volt

Connections
Blank = NPT
A = ANSI 150#RF Flange

Tubing
Blank = Copper
U = 90/10 Cu Ni
C = Carbon Steel

Coating
Blank = Enamel (standard)
G = Galvanize (cabinet)
T = Heresite (core)
X = Epoxy (core & cabinet)

Using the performance graphs (page 215)

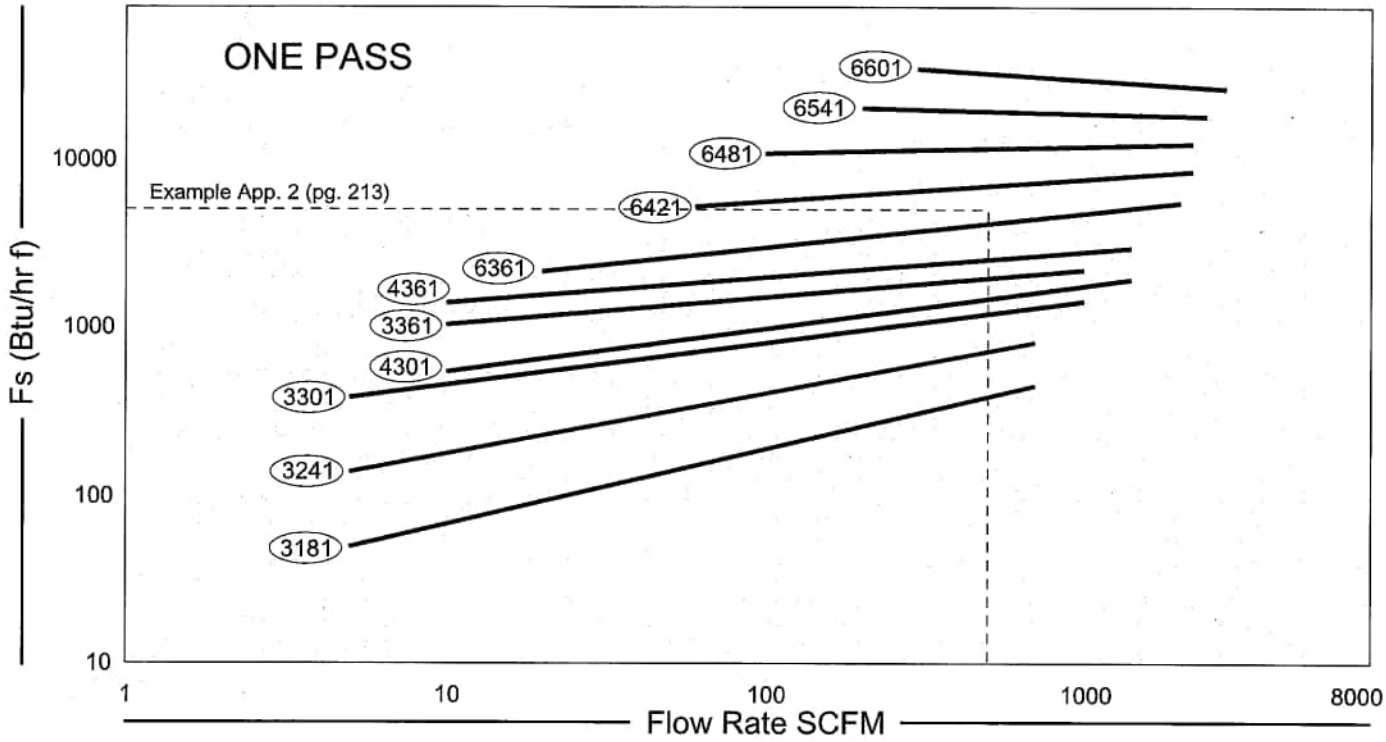
The Flow vs. Fs graph is calculated based upon SCFM units.

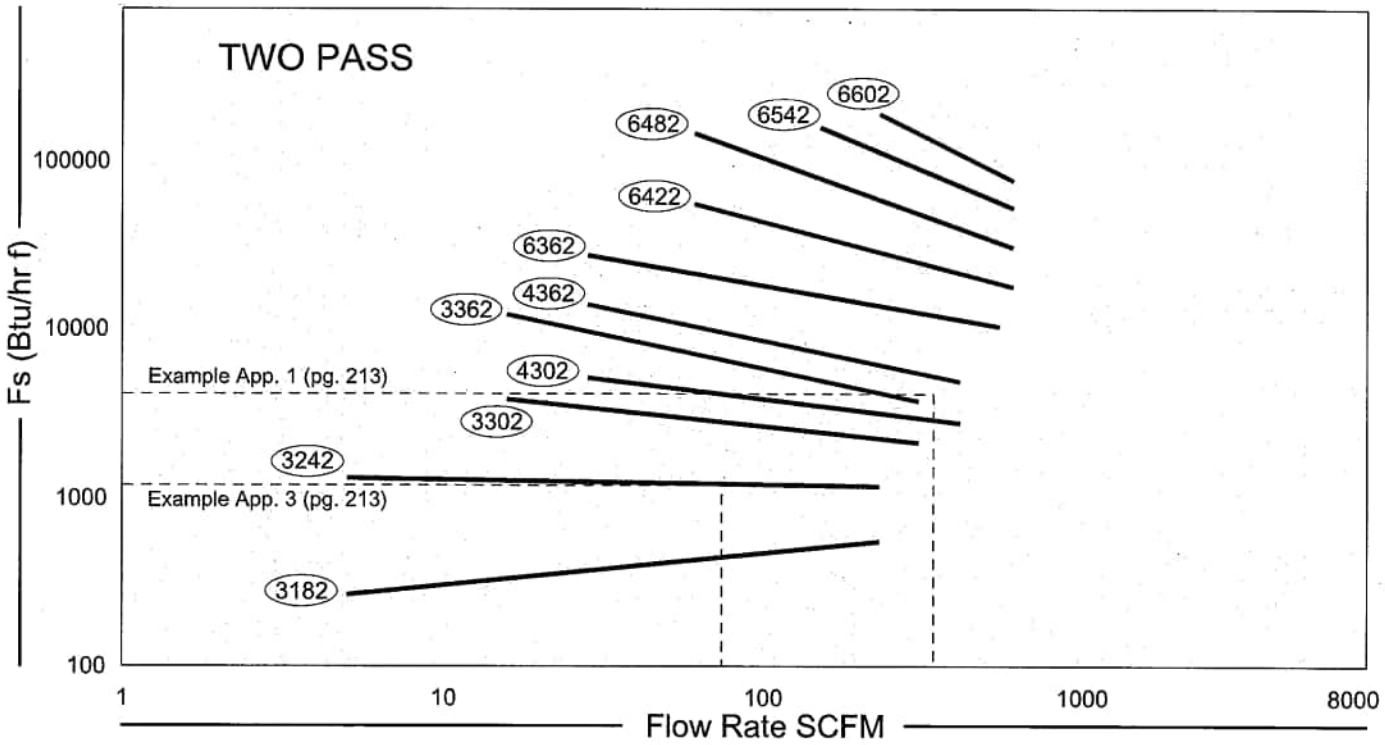
To convert volumetric Actual Cubic Feet per Minute (ACFM) into Standard Cubic Feet per Minute (SCFM) see page 213 application 3.

To select a model, locate the flow rate in SCFM located at the bottom of the graph. Proceed upward on the graph until the SCFM flow rate intersects with the calculated Fs. The curve closest, on or above the intersection point is the proper selection.

Using the one pass graph or two-pass graph depends upon pressure differential, flow, and performance requirements. The actual surface area for one or two pass units is the same. However, the airflow velocity in the tubes increases with the number of passes giving slightly higher pressure differentials and better cooling performance.

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Example

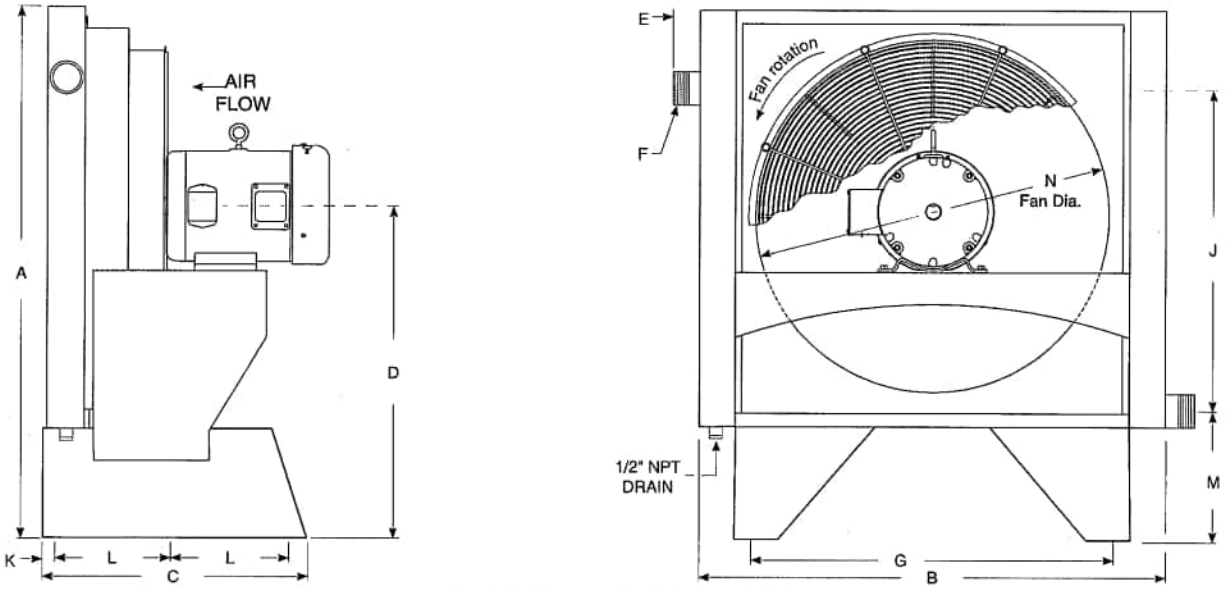
Application #3 (p.5)

$$\mathbf{Fs} = \frac{\text{Heat Load (Btu/hr)}}{\text{Process exiting temperature } (T_2) - \text{Ambient air entering the cooler } (T_a) \text{ from cooler}}$$

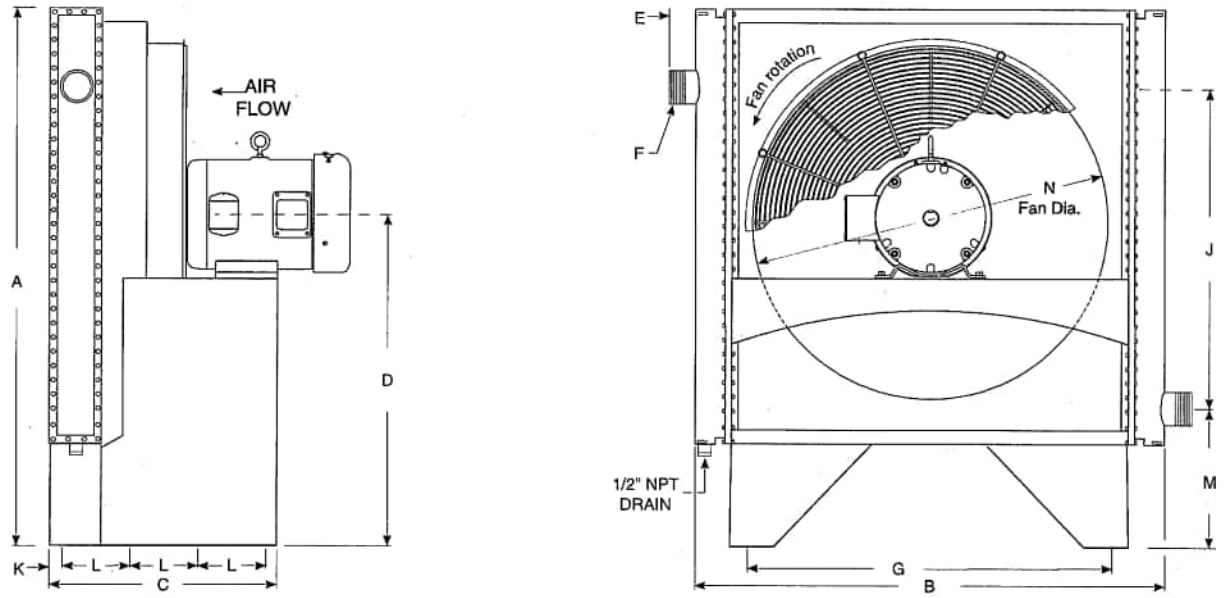
SCFM = 76
ÐPSI required = 5" H2O
Model selection = ACA-6421-3
Fs = 1,288 Nozzle check (p.4) = 3.10 or 3"NPT

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ACA Series *dimensions*



ACA - 3181 through ACA - 4361

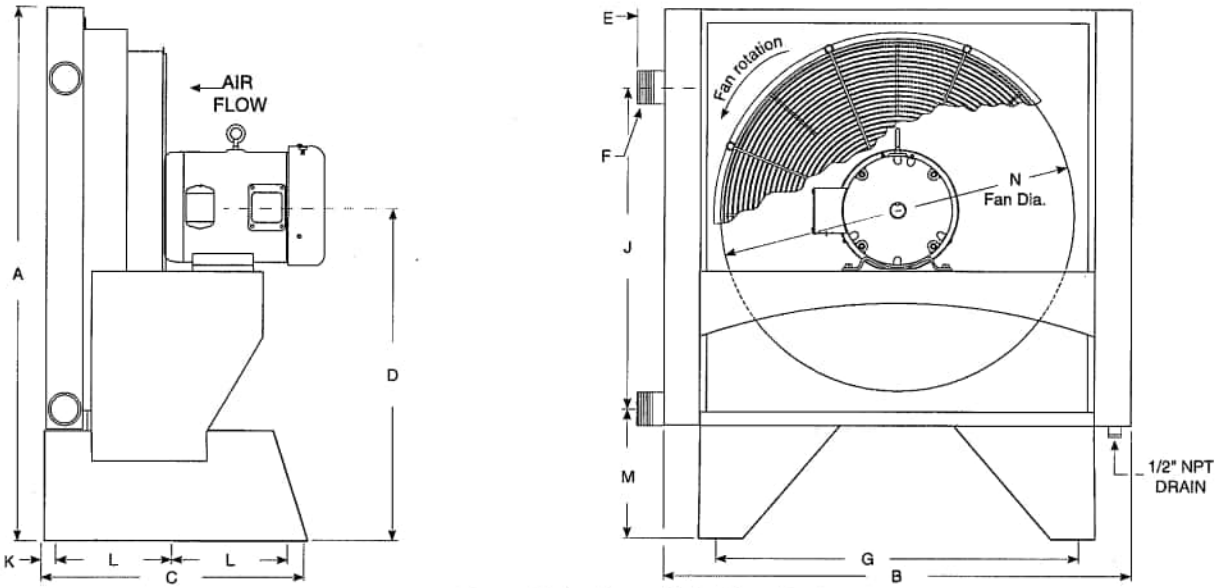


ACA - 6301 through ACA - 6601

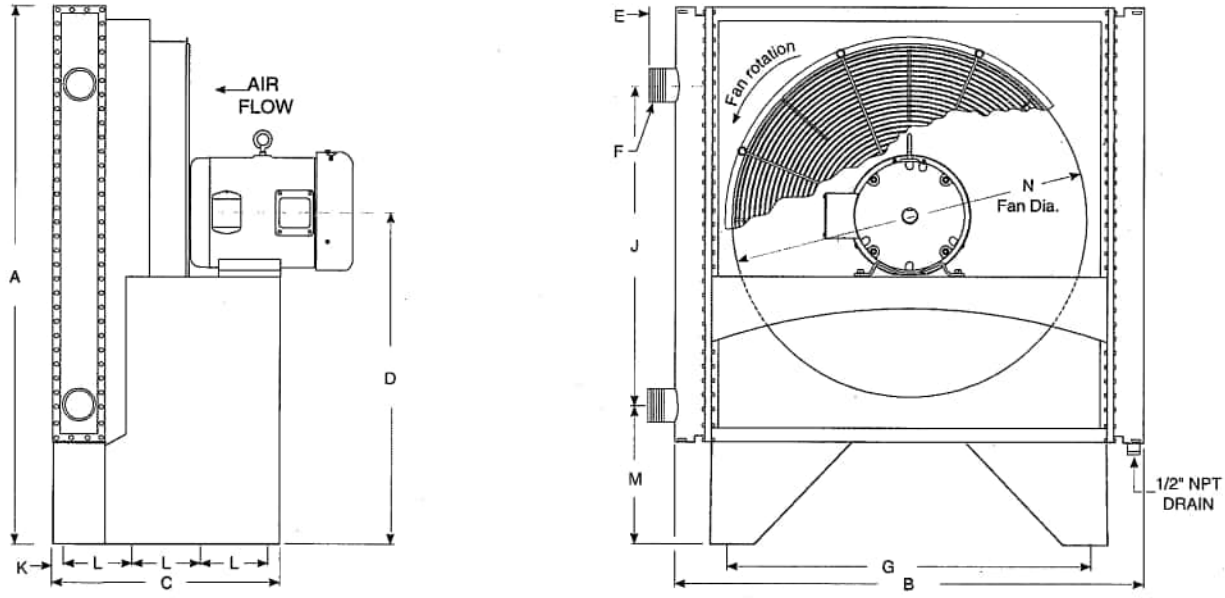
DIMENSIONS (inches)												
Model	A	B	C	D	E	F NPT	G	J	K	L	M	N
ACA - 3181	30.6	23.0	19.8	20.25	2.5	1.5	16.3	12.98	1.5	8.38	11.93	14.0
ACA - 3241	36.6	29.0	19.8	23.25	2.5	1.5	22.3	17.48	1.5	8.38	11.93	22.0
ACA - 3301	42.6	35.0	19.8	26.25	2.5	2.0	28.3	21.75	1.5	8.38	12.15	28.0
ACA - 4301	42.6	36.0	19.8	26.25	2.5	2.5	28.3	21.55	1.5	8.38	12.35	28.0
ACA - 6301	42.6	38.8	19.8	26.25	2.5	3.0	28.3	21.07	1.5	8.38	12.98	28.0
ACA - 3361	48.6	41.0	19.8	29.25	2.5	2.0	34.3	26.25	1.5	8.38	12.15	32.0
ACA - 4361	48.6	42.0	19.8	29.25	2.5	2.5	34.4	26.05	1.5	8.38	12.35	32.0
ACA - 6361	48.5	43.9	19.8	29.25	2.5	3.0	34.3	26.0	1.5	8.38	12.7	32.0
ACA - 6421	54.5	50.8	27.36	32.25	2.5	4.0	40.3	29.4	2.0	6.75	13.3	36.0
ACA - 6481	60.6	56.8	27.36	35.25	2.5	4.0	46.3	34.1	2.0	6.75	13.3	42.0
ACA - 6541	66.6	62.8	28.83	38.25	2.5	4.0	52.3	38.6	2.0	6.75	13.3	48.0
ACA - 6601	72.4	67.9	30.6	41.25	2.5	4.0	58.3	43.05	2.0	6.75	13.3	48.0

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ACA - 3182 through ACA - 4362



ACA - 6302 through ACA - 6602

DIMENSIONS (inches)												
Model	A	B	C	D	E	F NPT	G	J	K	L	M	N
ACA - 3182	30.6	23.0	19.8	20.25	2.5	1.5	16.3	12.98	1.5	8.38	11.93	14.0
ACA - 3242	36.6	29.0	19.8	23.25	2.5	1.5	22.3	17.48	1.5	8.38	11.93	22.0
ACA - 3302	42.6	35.0	19.8	26.25	2.5	2.0	28.3	21.75	1.5	8.38	12.15	28.0
ACA - 4302	42.6	36.0	19.8	26.25	2.5	2.5	28.3	21.55	1.5	8.38	12.35	28.0
ACA - 6302	42.6	38.8	19.8	26.25	2.5	3.0	28.3	21.07	1.5	8.38	12.98	28.0
ACA - 3362	48.6	41.0	19.8	29.25	2.5	2.0	34.3	26.25	1.5	8.38	12.15	32.0
ACA - 4362	48.6	42.0	19.8	29.25	2.5	2.5	34.4	26.05	1.5	8.38	12.35	32.0
ACA - 6362	48.5	43.9	19.8	29.25	2.5	3.0	34.3	26.0	1.5	8.38	12.7	32.0
ACA - 6422	54.5	50.8	27.36	32.25	2.5	4.0	40.3	29.4	2.0	6.75	13.3	36.0
ACA - 6482	60.6	56.8	27.36	35.25	2.5	4.0	46.3	34.1	2.0	6.75	13.3	42.0
ACA - 6542	66.6	62.8	28.83	38.25	2.5	4.0	52.3	38.6	2.0	6.75	13.3	48.0
ACA - 6602	72.4	67.9	30.6	41.25	2.5	4.0	58.3	43.05	2.0	6.75	13.3	48.0

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ELECTRIC MOTOR DATA

Model	Horse Power	Phase	Hz	Volts	RPM	NEMA Frame	Enclosure Type	Full Load Amperes	Service Factor	Thermal Overload
ACA- 3181/2- 1	.25	1	60-50	115/230 - 90/190	1725-1440	48	TEFC	3.2/1.6/2.8-1.4	1.15	NO
ACA- 3181/2 -3	.25	3	60-50	208 - 230/460 - 190/380	1725-1440	48	TEFC	1.3/.65/1.1-.55	1.15	NO
ACA- 3241/2 -1	.25	1	60-50	115/230 - 90/190	1140-950	56	TEFC	6.8/3.1-3.4	1.15	NO
ACA- 3241/2 -3	.25	3	60-50	208 - 230/460 - 190/380	1140-950	56	TEFC	1.7/2.0/1.0	1.15	NO
ACA- 3301/2 -1	.5	1	60-50	115/230 - 90/190	1140-950	56	TEFC	9.6/4.7-4.8/10.4/5.2	1.15	NO
ACA- 3301/2 -3	.5	3	60-50	208 - 230/460 - 190/380	1140-950	56	TEFC	2.4-2.7/1.35-2.5/1.25	1.15	NO
ACA- 4301/2 -1	.5	1	60-50	115/230 - 90/190	1140-950	56	TEFC	9.6/4.7-4.8/10.4/5.2	1.15	NO
ACA- 4301/2 -3	.5	3	60-50	208 - 230/460 - 190/380	1140-950	56	TEFC	2.4-2.7/1.35-2.5/1.25	1.15	NO
ACA- 6301/2 -3	1.0	3	60-50	208 - 230/460 - 190/380	1140-950	56	TEFC	4/2-3.7/1.85	1.15	NO
ACA- 3361/2 -3	1.0	3	60-50	208 - 230/460 - 190/380	1140-950	56	TEFC	4/2-3.7/1.85	1.15	NO
ACA- 4361/2- 3	1.0	3	60-50	208 - 230/460 - 190/380	1140-950	56	TEFC	4/2-3.7/1.85	1.15	NO
ACA- 6361/2 -3	3.0	3	60-50	208 - 230/460 - 190/380	1725-1440	182T	TEFC	8.4-6.8/3.4	1.15	NO
ACA- 6421/2 -3	5.0	3	60-50	208 - 230/460 - 190/380	1140-950	213T	TEFC	8.2-7.6/3.8	1.15	NO
ACA- 6481/2 -3	5.0	3	60-50	208 - 230/460 - 190/380	1140-950	213T	TEFC	14.0/7.0	1.15	NO
ACA- 6541/2 -3	7.5	3	60-50	208 - 230/460 - 190/380	1140-950	254T	TEFC	20.4/10.2	1.15	NO
ACA- 6601/2 -3	10	3	60-50	208 - 230/460 - 190/380	1140-950	256T	TEFC	28.0/14.0	1.15	NO

ELECTRIC MOTOR NOTES:

1) Motor electrical ratings are an approximate guide and may vary between motor manufacturers. Consult ratings on motor data plate prior to installation and operation.

2) Explosion proof, high temperature, severe duty, chemical, IEC, Canadian Standards Association, and Underwriters Laboratory recognized motors are available upon request.

3) American Industrial reserves the right to enact changes to motor brand, type and ratings regarding horsepower, RPM,FLA,and service factor for standard products without notice. All specific requirements will be honored without change.

4) Fan rotation is clockwise when facing the motor shaft.

5) The above motors contain factory lubricated shielded ball bearings (no additional lubrication is required).

6) **Abbreviation Index**
TEFC.....Totally Enclosed, Fan Cooled
EXP.....Explosion Proof

CLASS I,DIV.1, GROUP D or CLASS II,DIV.2, GROUP F & G EXPLOSION PROOF MOTOR DATA

Model	Horse Power	Phase	Hz	Volts	RPM	NEMA Frame	Enclosure Type	Full Load Amperes	Service Factor	Thermal Overload
ACA- 3181/2 -1	.25	1	60	115/230	1725	48	EXP	5.8/2.8	1.0	YES
ACA- 3181/2 -3	.25	3	60	208-230/460	1725	48	EXP	1.4-1.3/.65	1.0	YES
ACA- 3241/2 -3	.33	1	60	115/230	1140	56	EXP	7.8/3.5	1.0	YES
ACA- 3241/2 -1	.33	3	60	208-230/460	1140	56	EXP	1.18-1.6/8	1.0	YES
ACA- 3301/2 -3	.75	1	60	115/230	1140	56	EXP	9.4/4.8	1.0	YES
ACA- 3301/2 -1	.75	3	60	208-230/460	1140	56	EXP	2.5-2.4/1.2	1.0	YES
ACA- 4301/2 -3	.75	1	60	115/230	1140	56	EXP	9.4/4.8	1.0	YES
ACA- 4301/2 -1	.75	3	60	208-230/460	1140	56	EXP	2.5-2.4/1.2	1.0	YES
ACA- 6301/2 -1	1.0	3	60	230/460	1140	56	EXP	3.8/1.9	1.0	YES
ACA- 3361/2 -3	1.0	3	60	230/460	1140	56	EXP	3.8/1.9	1.0	YES
ACA- 4361/2 -3	1.0	3	60	230/460	1140	56	EXP	3.8/1.9	1.15	YES
ACA- 6361/2 -3	3	3	60	230/460	1725	182	EXP	8.8/4.4	1.15	YES
ACA- 6421/2 -3	5	3	60	230/460	1160	215	EXP	15.0-13.8/6.9	1.15	YES
ACA- 6481/2 -3	5	3	60	230/460	1160	215	EXP	15.0-13.8/6.9	1.15	YES
ACA- 6541/2 -3	7.5	3	60	230/460	1160	256	EXP	21.6-20.4/10.2	1.15	YES
ACA- 6601/2 -3	10	3	60	230/460	1160	256	EXP	29-26/13	1.15	YES

NOTE: Basic electric drive units are supplied with one of the corresponding above listed motors.

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575 VOLT ELECTRIC MOTOR DATA

Model	Horse Power	Phase	Hz	Volts	RPM	NEMA Frame	Enclosure Type	Full Load Amperes	Service Factor	Thermal Overload
ACA- 3181/2 -5	1/3	3	60	575	1725	56	TEFC	.52 .56	1.15	NO
ACA- 3241/2 -5	1/3	3	60	575	1140	56	TEFC	.52 .56	1.15	NO
ACA- 3301/2 -5	1/2	3	60	575	1140	56	TEFC	1.08	1.15	NO
ACA- 4301/2 -5	1/2	3	60	575	1140	56	TEFC	1.08	1.15	NO
ACA- 6301/2 -5	1	3	60	575	1140	56	TEFC	1.6	1.15	NO
ACA- 3361/2 -5	1	3	60	575	1140	56	TEFC	1.6	1.15	NO
ACA- 4361/2 -5	1	3	60	575	1140	56	TEFC	1.6	1.15	NO
ACA- 6361/2 -5	3	3	60	575	1725	182T	TEFC	3.3	1.15	NO
ACA- 6421/2 -5	5	3	60	575	1140	213T	TEFC	5.9	1.15	NO
ACA- 6481/2 -5	5	3	60	575	1140	213T	TEFC	5.9	1.15	NO
ACA- 6541/2 -5	7.5	3	60	575	1140	254T	TEFC	8.0	1.15	NO
ACA- 6601/2 -5	10	3	60	575	1140	256T	TEFC	10.5	1.15	NO

COMMON DATA

Model	Air Flow		Sound Level	Weight		Serviceable
	CFM	m^3/s	dB(A) @ 7ft	w/ motor	w/o motor	Core
ACA-3181/2	1550	0.731	72	131	111	NO
ACA-3241/2	2900	1.36	76	154	134	NO
ACA-3301/2	4450	2.10	76	184	160	NO
ACA-4301/2	4450	2.10	76	211	187	NO
ACA-6301/2	4450	2.10	76	343	305	YES
ACA-3361/2	6350	2.99	79	243	205	NO
ACA-4361/2	6350	2.99	79	289	251	NO
ACA-6361/2	10500	4.95	91	402	342	YES
ACA-6421/2	14300	6.75	87	636	443	YES
ACA-6481/2	18700	8.82	88	753	560	YES
ACA-6541/2	23350	11.02	91	938	691	YES
ACA-6601/2	29300	13.83	91	1104	835	YES

NOTES:

TEFC = Totally Enclosed, Fan Cooled

To estimate the sound level at distances other than 7 feet (2.1 meters) from the cooler, add 6 db for each halving of distance, or substract 6 db for each doubling of the distance.

Example:
The Sound Level of the ACA-3181/2 is 72 dB at 7ft. At 3.5ft (7ft x 0.5 = 3.5ft) the sound level is 66 dB (72dB - 6dB = 66dB). At 14ft (7ft x 2 = 14ft) the sound level is 78dB (72dB + 6dB = 78dB).

Pressure Drop Graphs (see page 220)

Each graph represents a specific pressure drop at differing flow rates and inlet pressures. The four graphs for each model series size represents the more popular milestone pressure differentials commonly applied.

To use the graphs for selection purposes follw the steps below.

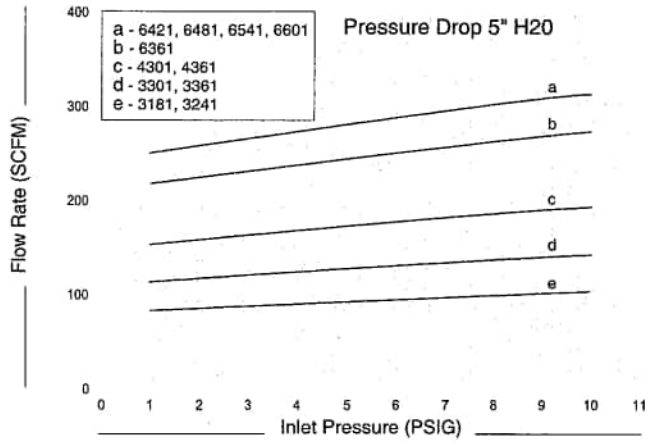
1) Locate the operating pressure at the bottom of the desired pressure drop chart.
2) Locate the flow rate in SCFM at the left end of the chart.
3) Follow the "Pressure" line vertically and the "Flow" line horizontally until they cross, note the location.
4) The curve on, or closest above will be exact or less pressure drop than requested and suitable for the application.
5) There may be several units shown above the intersection point, all of which will produce less than the desired pressure drop at the required flow.

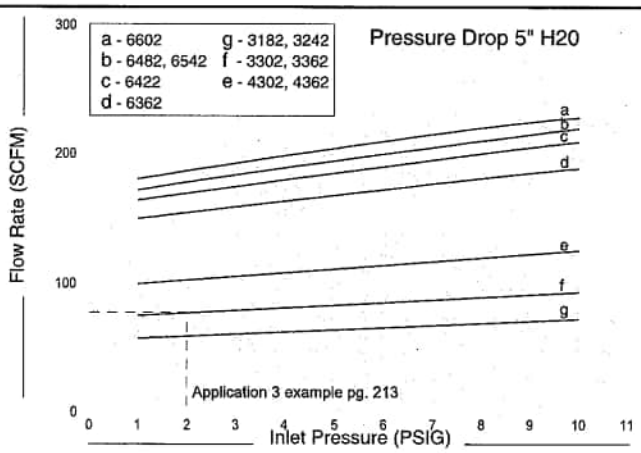
Example: Application 3 Low Pressure Blower

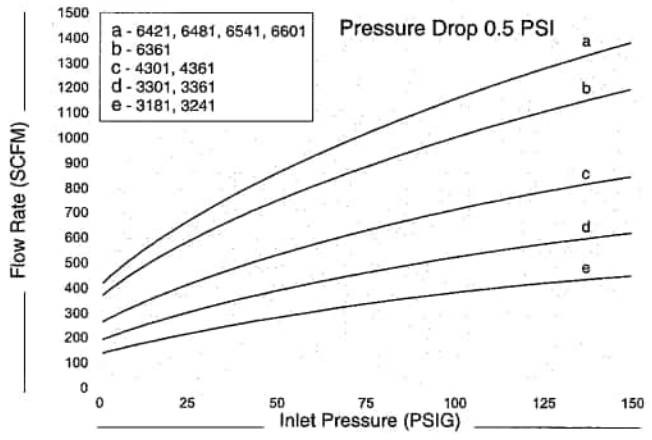
Flow = 76 SCFM
Operating pressure = 2 PSIG
Initial selection from graph page 215 = ACA-3302
Desired pressure drop = 5" H2O or less. (USE the "Pressure Drop 5" H20" curves page 220)
From the pressure drop graph, page 220. Acceptable choice - ACA-3302 is on the line, ACA-3242 is well below the line. The ACA-3302 meets the pressure drop requirement, but exceeds the capacity requirement. However, even though the ACA-3242 exceeds 5" of water pressure drop, other considerations should be made prior to selection such as unit physical size, cost, availability, and port size.

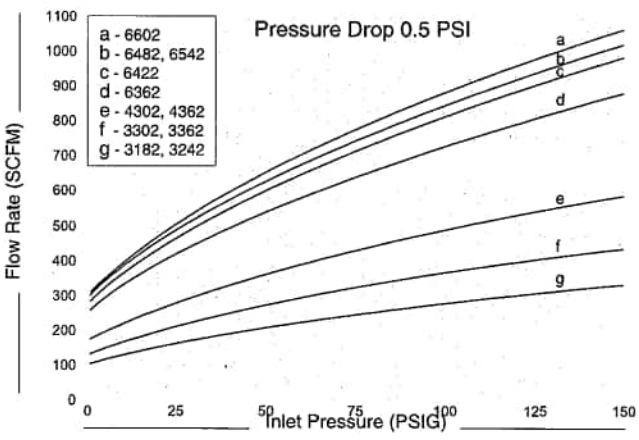
note: AIHTI reserves the right to make reasonable design changes without notice.
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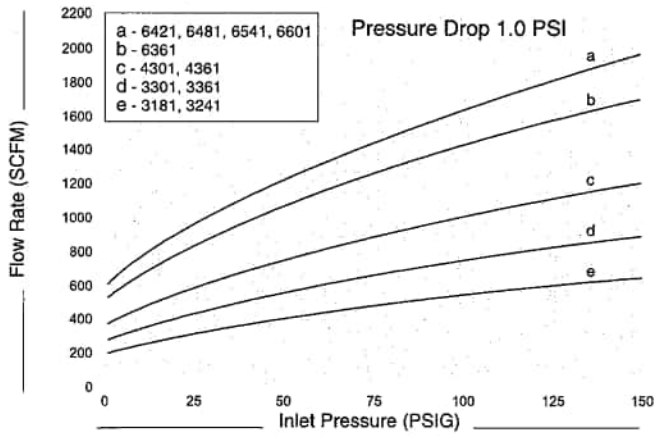
ACA Series *pressure drop graphs*

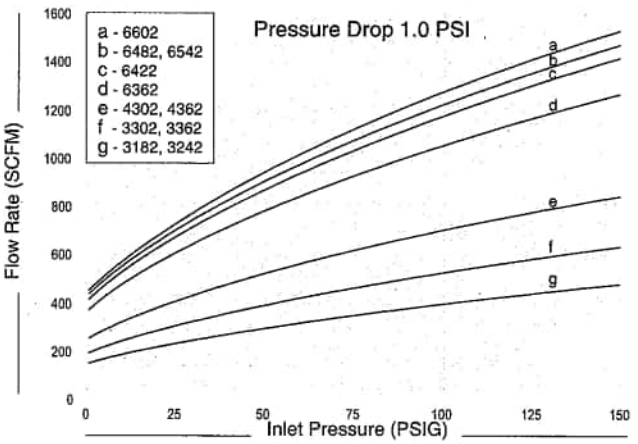


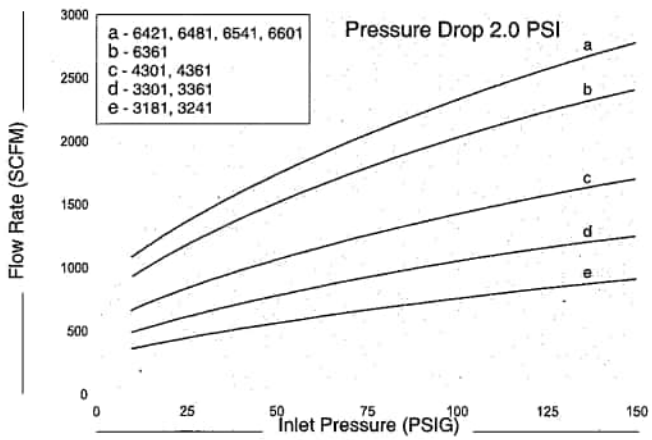


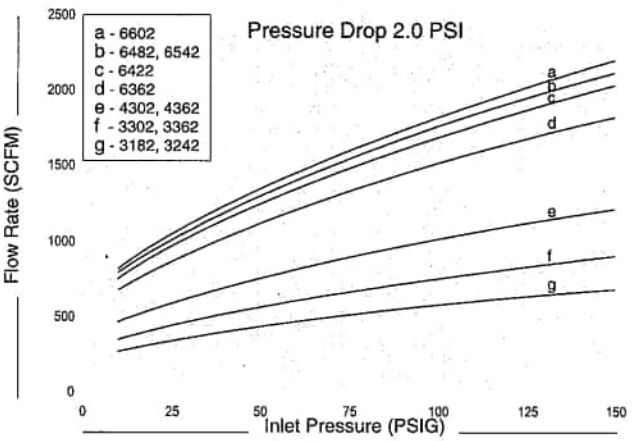








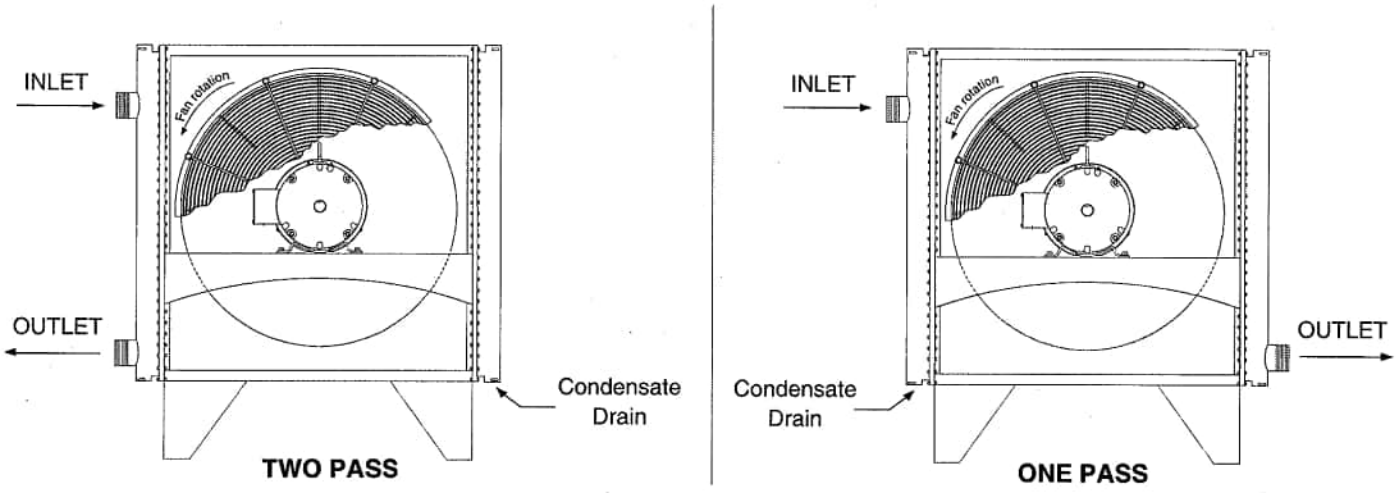




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PIPING HOOK UP



Receiving:

a) Inspect unit for any shipping damage before uncrating. Indicate all damages to the trucking firms' delivery person and mark it on the receiving bill before accepting the freight. Make sure that the core and fan are not damaged. Rotate the fan blade to make sure that it moves freely. The published weight information located in this brochure is approximate. True shipment weights are determined at the time of shipping and may vary. Approximate weight information published herein is for engineering approximation purposes and should not be used for exact shipping weight. *Since the warranty is based upon the unit date code located on the model identification tag, removal or manipulation of the identification tag will void the manufacturers warranty.*

b) When handling the ACA heat exchanger, special care should be taken to avoid damage to the core and fan. All units are shipped with wood skids for easy forklift handling

c) Standard Enamel Coating: American Industrial provides its standard products with a normal base coat of oil base air cure enamel paint. The enamel paint is applied as a temporary protective and esthetic coating prior to shipment. While the standard enamel coating is durable, American Industrial does not warrantee it as a long-term finish coating. It is strongly suggested that a more durable final coating be applied after installation or prior to long-term storage in a corrosive environment to cover any accidental scratches, enhance esthetics, and further prevent corrosion. It is the responsibility of the customer to provide regular maintenance against chips, scratches, etc... and regular touch up maintenance must be provided for long-term benefits and corrosion prevention.

Installation:

a) American Industrial recommends that the equipment supplied should be installed by qualified personal who have solid understanding of system design, pressure and temperature ratings, and piping assembly. Verify the service conditions of the system prior to applying any ACA series cooler. If the system pressure or temperature does not fall within the parameters on ACA rating tag located on the heat exchanger, contact our factory prior to installation or operation.

b) In order for the heat exchanger to properly function, installation should be made with minimum airflow obstruction distance of not less than twenty (20) inches on both fan intake and exiting side of the heat exchanger.

c) Process piping should be as indicated above with the process flow entering into the upper port and exiting out the lower port (see illustration). This configuration will allow for condensate moisture to drain completely from the equipment. It is recommended that an air separator or automatic drip leg be applied to the outlet side of the heat exchanger to trap any moisture that develops.

d) Flow line sizes should be sized to handle the appropriate flow to meet the system pressure drop requirements. If the nozzle size of the heat exchanger is smaller than the process line size an increased pressure differential at the heat exchanger may occur.

e) ACA series coolers are produced with both brazed ACA-3181 through ACA-4362, and serviceable core® ACA-6301 through ACA-6602 style coils. A brazed construction coil does not allow internal tube access. A serviceable core® will allow full accessibility to the internal tubes for cleaning and maintenance. ACA series coolers are rated for 150 PSIG working pressure, and a 400°f working temperature.

f) Special Coatings: American Industrial offers as customer options, Air-Dry Epoxy, and Heresite (Air-Dry Phenolic) coatings at additional cost. American Industrial offers special coatings upon request, however American Industrial does not warrantee coatings to be a permanent solution for any equipment against corrosion. It is the responsibility of the customer to provide regular maintenance against chips, scratches, etc... and regular touch up maintenance must be provided for long-term benefits and corrosion prevention.

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g) Electric motors should be connected only to supply source of the same characteristics as indicated on the electric motor information plate. Prior to starting, verify that the motor and fan spin freely without obstruction. Check carefully that the fan turns in the correct rotation direction normally counter clockwise from the motor side (fan direction arrow). Failure to operate the fan in the proper direction could reduce performance or cause serious damage to the heat exchanger or other components. Fan blades should be rechecked for tightness after the first 100 hours of operation.

Maintenance

Regular maintenance intervals based upon the surrounding and operational conditions should be maintained to verify equipment performance and to prevent premature component failure. Since some of the components such as, motors, fans, load adapters, etc... are not manufactured by American Industrial maintenance requirements provided by the manufacture must be followed.

a) Inspect the entire heat exchanger and motor/fan assembly for loosened bolts, loose connections, broken components, rust spots, corrosion, fin/coil clogging, or external leakage. Make immediate repairs to all affected areas prior to restarting and operating the heat exchanger or its components.

b) Heat exchangers operating in oily or dusty environments will often need to have the coil cooling fins cleaned. Oily or clogged fins should be cleaned by carefully brushing the fins and tubes with water or a non-aggressive degreasing agent mixture (Note: Cleaning agents that are not compatible with copper, brass, aluminum, steel or stainless steel should not be used). A compressed air or a water stream can be used to dislodge dirt and clean the coil further. Any external dirt or oil on the electric motor and fan assembly should be removed. Caution: Be sure to disconnect the electric motor from its power source prior to doing any maintenance.

c) In most cases it is not necessary to internally flush the coil. In circumstances where the coil has become plugged or has a substantial buildup of material, flushing the coil with water or a solvent may be done. Flushing solvents should be non-aggressive suitable for the materials of construction. Serviceable Core® models can be disassembled and inspected or cleaned if required.

d) Most low horsepower electric motors do not require any additional lubrication. However, larger motors must be lubricated with good quality grease as specified by the manufacture at least once every 6-9 months or as directed by the manufacture. T.E.F.C. air ventilation slots should be inspected and cleaned regularly to prevent clogging and starving the motor of cooling air. To maintain the electric motor properly see the manufactures requirements and specifications.

e) Fan blades should be cleaned and inspected for tightness during the regular maintenance schedule when handling a fan blade care must be given to avoid bending or striking any of the blades. Fan blades are factory balanced and will not operate properly if damaged or unbalanced. Damaged fan blades can cause excessive vibration and severe damage to the heat exchanger or drive motor.

Replace any damaged fan with an American industrial suggested replacement.

f) ACA heat exchanger cabinets are constructed using 7ga. through 18ga. steel that may be bent back into position if damaged. Parts that are not repairable can be purchased through American Industrial.

g) Coil fins that become flattened can be combed back into position. This process may require removal of the coil from the cabinet.

h) It is not advisable to attempt repairs to brazed joints of a brazed construction coil unless it will be done by an expert in silver solder brazing. Brazed coils are heated uniformly during the original manufacturing process to prevent weak zones from occurring. Uncontrolled reheating of the coil may result in weakening of the tube joints surrounding the repair area. In many instances brazed units that are repaired will not hold up as well to the rigors of the system as will a new coil. American Industrial will not warranty or be responsible for any repairs done by unauthorized sources. Manipulation in any way other than normal application will void the manufactures warranty.

i) Units containing a Serviceable Core® have bolted manifold covers that can be removed for cleaning or repair purposes.

Servicing Sequence

American Industrial has gone to great lengths to provide components that are repairable. If the ACA unit requires internal cleaning or attention the following steps will explain what must be done to access the internal tubes. Be sure to order gasket kits or repair parts prior to removal and disassembly to minimize down time.

a) To clean the internal tubes first remove all connection pipes from the unit.

b) Be sure the unit is drained of all water etc...

c) Place the ACA unit in an area that it can be accessed from all sides.

d) Remove the manifold cover bolts and hardware and place them into a secure place.

e) The manifold covers are tightly compressed and may need some prying to separate them from the gasket, physically remove the cover assemblies from both sides.

f) The tubes are now accessible for cleaning. We suggest a mild water-soluble degreaser be used with a brush. Tubing I.D. is .325 a plastic bristle brush on a rod will work best for cleaning the tubes. Steel brushes should be avoided since the steel is harder than the copper tubing and may heavily score the tubes if used.

g) If there are any leaking tubes you may plug them be forcing a soft metal plug into the hole and tapping it tight. You may in some cases weld the leaking tube shut however, care should be taken since excessive heat may cause surrounding tube joints to loosen and leak.

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PITOT TUBE AIR FLOW METERS
PFLOW SERIES

Application:

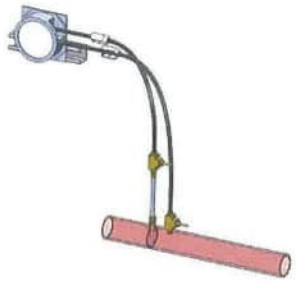
newterra Pitot Tube Air Flow Meters are designed to be a cost effective, accurate flow meters that are calibrated for your site-specific conditions. The unique self draining design allows the meter to function in process lines with high humidity and moisture content as well as dry air lines. The PFLOW meter takes two pressure readings in your process line, one at a high-pressure, zero velocity and one at a low-pressure, full velocity. The pressure differential is used to calibrate the meter for a desired flow and operating conditions. When ordering the flow meter, it is critical to supply: operating temperature, pressure or vacuum in psia, and the pipe ID. The PFLOW meter can be supplied with any scale range required in scfm (25deg C, 14.7psia) or acfm at your listed operating conditions.

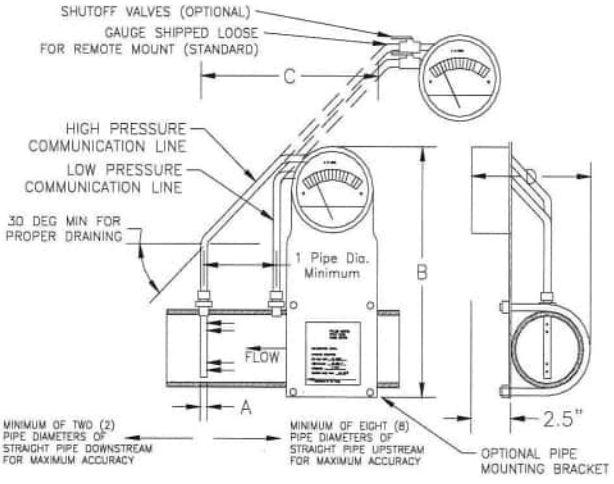
Construction:

The high, static pressure is measured using a 304 Stainless Steel probe inserted into the process line. The probe is designed with 4 measurement ports that provide an average reading for flow through your process pipe. Multiple ports on the static pressure line ensure that you can maintain an accurate reading while the tube is self-draining. The low pressure point is measured by tapping a 1/4" hole in the process line ahead of the high-pressure port. This tapping is completed on the top of the pipe to minimize moisture collection in the pressure communication lines. The differential pressure gauge is connected to the pressure ports using 3/8" Buna-N and the brass connections are capable of handling temperatures as high as 250 deg F. The Dwyer Magnehelic ® gauge provides a large, clear and accurate display of your airflow reading.

Standard Features:

- 304SS static pressure probe
- Brass compression fittings and Buna-N pressure communication tubing
- Direct read display can be calibrated for your specific operating conditions. Display can read ACFM or SCFM but SCFM is recommended as there is less error when the meter is operating above or below the calibrated pressure. Other units are available on request.
- Large 4" display for accurate reading
- Standard gauges are shipped loose for installation in an existing pipeline. The gauges can be wall mounted in site-specific locations. A pipe bracket can be purchased.





Dimensions Chart:

Part Number	A	B	C	D	Pipe
1" PFLOW	1/4"	12"	12"	4.75"	1"
1-1/2" PFLOW	3/8"	12"	12"	5.25"	1.5"
2" PFLOW	3/8"	12"	12"	5.75"	2"
3"PFLOW	1/2"	12"	12"	6.75"	3"
4"PFLOW	1/2"	14"	14"	7.75"	4"
6"PFLOW	1/2"	14"	14"	9.75"	6"
8"PFLOW	1/2"	14"	14"	12"	8"

Larger pitot tubes can be supplied as required.

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PITOT TUBE AIR FLOW METERS
PFLOW SERIES

Specifications:

Maximum Air Temperature:	250 °F (standard) 300 °F (high temp version)
Max. Operating Pressure	15 psig (standard unit) 35 psig (medium pressure unit) 80 psig (high pressure unit)
Repeatability:	1% of scale at calibration point
Accuracy:	2.5 % of scale at calibration point
Pressure Drop:	Less than 2" WC pressure drop in high flow applications

The following table provides recommended flow rates for each meter at a given operating pressure range. These values are suitable for temperatures between 70-100 deg F. For meter applications outside this temperature range and outside of the operating pressure ranges listed below please contact our sales department for help in choosing a suitable meter.

Operating pressure	Recommended Operating Flow rates (SCFM)				
	0-5 psi	5-10 psi	0-10" Hg	10-20" Hg	20-26" Hg
PFLOW 1"	15-40	17-50	12-35	8-25	6-20
PFLOW 1-1/2"	35-90	40-115	25-75	20-60	15-50
PFLOW 2"	60-160	70-200	50-150	30-100	25-80
PFLOW 3"	135-360	150-450	100-300	75-250	50-180
PFLOW 4"	250-650	275-800	200-550	120-450	100-320
PFLOW 6"	550-1500	600-1800	450-1200	275-1000	200-750
PFLOW 8"	1000-2500	1100-3200	750-2250	500-1750	350-1250

Calibration and Correction Factors:

Each PFLOW pitot tube is calibrated for a specific operating temperature and pressure. If the pitot tube operates at a different pressure or temperature than the original design, the flow measurement can be adjusted with the following equation: (Units of $Flow_1$ and $Flow_2$ will be the same)

$Flow_1 = Flow_2 \times (P_2/P_1 \times ((T_1+460) / (T_2+460))^{1/2}$

Pressure units: psia, Temperature units: °F

Options Table:

Option	Description
Orientation:	The flow meter gauge can be oriented for flows from Left to Right, Right to Left, Up or Down as required for your specific application.
Site Specific Calibration and Gauge Range:	The following information is required to calibrate the flow meter for your specific application: Operating Pressure (psia): Operating Temperature (°F or °C): Operating Flow Rate (acfm or scfm or other scales as required): Maximum Flow rate (better accuracy is achieved when the operating flow rate is approximately ¾ of the scale range of the flow meter)
4-20ma Option	Flow meters can be ordered with 4-20ma outputs for control systems. Three versions are available: Nema 7 (Class 1 Div 1) FM or CSA approved Two Wire Connection: 24VDC+, Signal Output Power Consumption: 20mA 316SS Wetted parts Nema 4 (Weatherproof) or Nema 1 (General Purpose) Three Wire Connection: 24VDC+, 24VDC-, Signal Output Accuracy on all 4-20ma outputs: 2.5% of full scale for meter Aluminum with Silicon diaphragm
Shutoff Valves	The pressure gauges are not designed to operate with water collecting within the internal components. If you will be operating with hot wet air or condensing air streams, then it is recommended that we install shutoff valves in the pressure communication lines to isolate the gauge from the process lines when the operator is not taking a flow reading.
Pre Installed Section of Pipe	The flow meters can be preinstalled in a section of pipe with any configuration of material and fittings on the end. This will allow the PFLOW meter to be factory installed and tested in this section of pipe before leaving our facility.
Pipe Mounting Bracket	A pipe-mounting bracket can be supplied to allow the gauge to mount directly on the pipe as shown in the above picture.

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PITOT TUBE AIR FLOW METERS
PFLOW SERIES

Company Name: _____ Purchase Order Number: _____

Contact Name: _____ Contact Number (PH/FAX): _____ / _____

(Note: Please include relevant credit information to set up an account if required.
Ship to Address: _____

Billing Address: _____

Credit Card Orders (Please check card type)

☐ VISA ☐ MASTERCARD

Credit Card Number: _____ Expiry Date (m/y): _____ / _____

Meter Size: (please check box)

☐ 1" ☐ 2" ☐ 4" ☐ 8"

☐ 1-1/2" ☐ 3" ☐ 6"

Process Pipe Material and Schedule: (please check box)

☐ Schedule 40 PVC ☐ Schedule 40 Steel

☐ Schedule 80 PVC ☐ Schedule 80 Steel

For other Materials and Schedule Specify Inner Diameter of Pipe: _____

Orientation: (please check box)

☐ Flow from Left to Right ☐ Flow Up

☐ Flow from Right to Left ☐ Flow Down

4-20mA Output (please check box)

☐ Nema 7, Class 1 Div 1, 316SS, with flow gauge ☐ Nema 7, Class 1 Div 1, 316SS, no direct read display

☐ Nema 4, Weatherproof, with flow gauge ☐ Nema 4, Weatherproof, no direct read display

☐ Nema 1, General Purpose, with flow gauge ☐ Nema 1, General Purpose, no direct read display

☐ None

Calibration Information (Required Information):

Operating Pressure: _____ **Operating Temperature:** _____

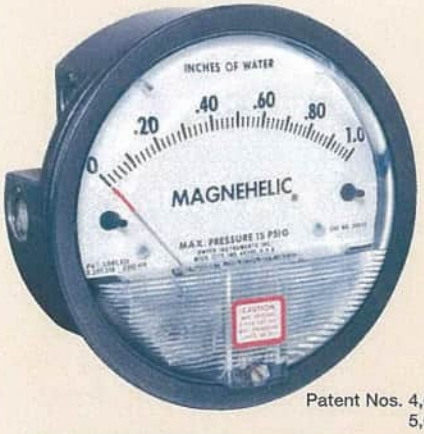
Elevation or Atmospheric Pressure: _____

Operating Flow Rate: _____ **Maximum Flow Rate*:** _____

Scfm units are preferred but any flow units can be provided. The operating flow rate should be approximately ¾ of full scale to allow for an accurate reading at that flow rate. Note Lowest accurate reading is at ¼ of full scale.
*Options for Maximum Flow Rates include:1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 and any scale can be multiplied by 10, 100, 1000, 10000

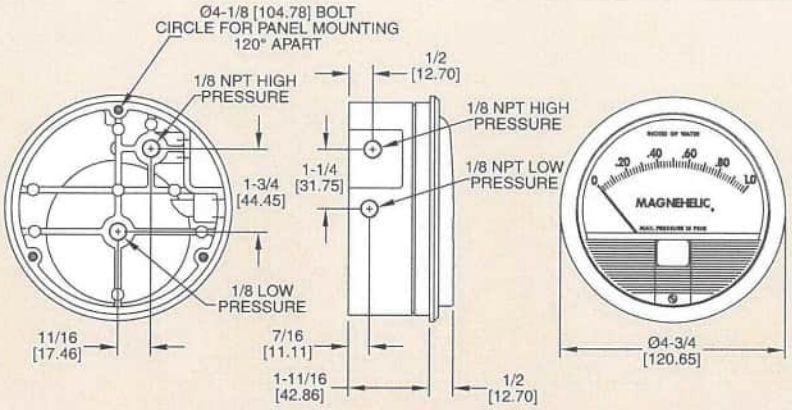
Series 2000 Magnehelic® Differential Pressure Gages

Indicate Positive, Negative or Differential, Accurate within 2%



Patent Nos. 4,030,365
5,012,678

Standard Magnehelic® Pressure Gage has a large, easy-to-read 4" dial.



Dimensions, Standard Series 2000 Magnehelic® Pressure Gages. (Slightly different on medium and high pressure models)

Select the Dwyer Magnehelic® gage for high accuracy – guaranteed within 2% of full scale – and for the wide choice of 81 models available to suit your needs precisely. Using Dwyer's simple, frictionless Magnehelic® movement, it quickly indicates low air or non-corrosive gas pressures – either positive, negative (vacuum) or differential. The design resists shock, vibration and over-pressures. No manometer fluid to evaporate, freeze or cause toxic or leveling problems. It's inexpensive, too.

The Magnehelic® is the industry standard to measure fan and blower pressures, filter resistance, air velocity, furnace draft, pressure drop across orifice plates, liquid levels with bubbler systems and pressures in fluid amplifier or fluidic systems. It also checks gas-air ratio controls and automatic valves, and monitors blood and respiratory pressures in medical care equipment.

Note: May be used with Hydrogen where pressures are less than 35 psi.

MOUNTING. A single case size is used for most models of Magnehelic® gages. They can be flush or surface mounted with standard hardware supplied. With the optional A-610 Pipe Mounting Kit they may be conveniently installed on horizontal or vertical 1¼" - 2" pipe. Although calibrated for vertical position, many ranges above 1" may be used at any angle by simply re-zeroing. However, for maximum accuracy, they must be calibrated in the same position in which they are used. These characteristics make Magnehelic® gages ideal for both stationary and portable applications. A 4⅛" hole is required for flush panel mounting. Complete mounting and connection fittings plus instructions are furnished with each instrument.



Flush ...Surface...or Pipe Mounted

VENT VALVES



In applications where pressure is continuous and the Magnehelic® gage is connected by metal or plastic tubing which cannot be easily removed, we suggest using Dwyer A-310A vent valves to connect gage. Pressure can then be removed to check or re-zero the gage.

HIGH AND MEDIUM PRESSURE MODELS



Installation is similar to standard gages except that a 4 13/16" hole is needed for flush mounting. The medium pressure construction is rated for internal pressures up to 35 psig and the high pressure up to 80 psig. Available for all models. Because of larger case, the medium pressure and high pressure models will not fit in a portable case size. Installation of the A-321 safety relief valve on standard Magnehelic® gages often provides adequate protection against infrequent overpressure.

SPECIFICATIONS

Service: Air and non-combustible, compatible gases. (Natural Gas option available.)
Wetted Materials: Consult factory.
Housing: Die cast aluminum case and bezel, with acrylic cover. Exterior finish is coated gray to withstand 168 hour salt spray corrosion test.
Accuracy: ±2% of full scale (±3% on - 0, -100 Pa, -125 Pa, 10MM and ±4% on - 00, -60 Pa, -6MM ranges), throughout range at 70°F (21.1°C).
Pressure Limits: -20" Hg. to 15 psig.† (-0.677 bar to 1.034 bar); MP option: 35 psig (2.41 bar), HP option: 80 psig (5.52 bar).
Overpressure: Relief plug opens at approximately 25 psig (1.72 bar), standard gages only.
Temperature Limits: 20 to 140°F.* (-6.67 to 60°C).
Size: 4" (101.6 mm) Diameter dial face.
Mounting Orientation: Diaphragm in vertical position. Consult factory for other position orientations.
Process Connections: 1/8" female NPT duplicate high and low pressure taps - one pair side and one pair back.
Weight: 1 lb 2 oz (510 g), MP & HP 2 lb 2 oz (963 g).
Standard Accessories: Two 1/8" NPT plugs for duplicate pressure taps, two 1/8" pipe thread to rubber tubing adapter and three flush mounting adapters with screws. (Mounting and snap ring retainer substituted for 3 adapters in MP & HP gage accessories.)

*Low temperature models available as special option.
†For applications with high cycle rate within gage total pressure rating, next higher rating is recommended. See Medium and High pressure options at lower left.

OPTIONS AND ACCESSORIES



Transparent Overlays
Furnished in red and green to highlight and emphasize critical pressures.

Adjustable Signal Flag
Integral with plastic gage cover. Available for most models except those with medium or high pressure construction. Can be ordered with gage or separate.



LED Setpoint Indicator
Bright red LED on right of scale shows when setpoint is reached. Field adjustable from gage face, unit operates on 12-24 VDC. Requires MP or HP style cover and bezel.



Portable Units
Combine carrying case with any Magnehelic® gage of standard range, except high pressure connection. Includes 9 ft. (2.7 m) of ¾" I.D. rubber tubing, standhang bracket and terminal tube with holder.



Air Filter Gage Accessory Package
Adapts any standard Magnehelic® for use as an air filter gage. Includes aluminum surface mounting bracket with screws, two 5 ft. (1.5 m) lengths of ¼" aluminum tubing two static pressure tips and two molded plastic vent valves, integral compression fittings on both tips and valves.

Quality design and construction features

Bezel provides flange for flush mounting in panel.

Clear plastic face is highly resistant to breakage. Provides undistorted viewing of pointer and scale.

Precision litho-printed scale is accurate and easy to read.

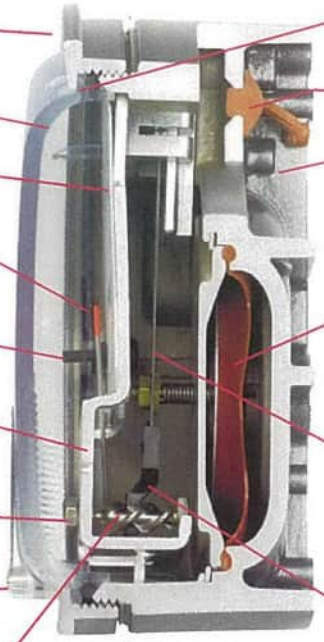
Red tipped pointer of heat treated aluminum tubing is easy to see. It is rigidly mounted on the helix shaft.

Pointer stops of molded rubber prevent pointer over-travel without damage.

"Wishbone" assembly provides mounting for helix, helix bearings and pointer shaft.

Jeweled bearings are shock-resistant mounted; provide virtually friction-free motion for helix. Motion damped with high viscosity silicone fluid.

Zero adjustment screw is conveniently located in the plastic cover, and is accessible without removing cover. O-ring seal provides pressure tightness.



Helix is precision made from an alloy of high magnetic permeability. Mounted in jeweled bearings, it turns freely, following the magnetic field to move the pointer across the scale.

O-ring seal for cover assures pressure integrity of case.

Blowout plug of silicone rubber protects against overpressure on 15 psig rated models. Opens at approximately 25 psig.

Die cast aluminum case is precision made and iridite-dipped to withstand 168 hour salt spray corrosion test. Exterior finished in baked dark gray hammerloid. One case size is used for all standard pressure options, and for both surface and flush mounting.

Silicone rubber diaphragm with integrally molded O-ring is supported by front and rear plates. It is locked and sealed in position with a sealing plate and retaining ring. Diaphragm motion is restricted to prevent damage due to overpressures.

Calibrated range spring is flat spring steel. Small amplitude of motion assures consistency and long life. It reacts to pressure on diaphragm. Live length adjustable for calibration.

Samarium Cobalt magnet mounted at one end of range spring rotates helix without mechanical linkages.

MODELS

Dual Scale English/Metric Models		
Model Number	**Range, In. W.C.**	**Range, Pa or kPa**
2000-OD	0-0.5	0-125 Pa
2001D	0-1.0	0-250 Pa
2002D	0-2.0	0-500 Pa
2003D	0-3.0	0-750 Pa
2004D	0-4.0	0-1.0 kPa
2006D	0-6.0	0-1.5 kPa
2008D	0-8.0	0-2.0 kPa
2010D	0-10	0-2.5 kPa

SERIES 2000 MAGNEHELIC®— MODELS AND RANGES

The models below will fulfill most requirements. Page 11 also shows examples of special models built for OEM customers. For special scales furnished in ounces per square inch, inches of mercury, metric units, etc., contact the factory.

Model Number	Range Inches of Water
2000-00†••	0-.25
2000-0†•	0-.50
2001	0-1.0
2002	0-2.0
2003	0-3.0
2004	0-4.0
2005	0-5.0
2006	0-6.0
2008	0-8.0
2010	0-10
2015	0-15
2020	0-20
2025	0-25
2030	0-30
2040	0-40
2050	0-50
2060	0-60
2080	0-80
2100	0-100
2150	0-150

Model Number	Range Zero Center Inches of Water
2300-0†•	.25-0-.25
2301	.5-0-.5
2302	1-0-1
2304	2-0-2
2310	5-0-5
2320	10-0-10
2330	15-0-15

Model Number	Range PSI
2201	0-1
2202	0-2
2203	0-3
2204	0-4
2205	0-5
2210*	0-10
2215*	0-15
2220*	0-20
2230**	0-30

*MP option standard
**HP option standard

Dual Scale Air Velocity Units

Model Number	Range in W.C. Velocity, F.P.M.
2000-00AV†••	0-.25/300-2000
2000-0AV†•	0-.50/500-2800
2001AV	0-1.0/500-4000
2002AV	0-2.0/1000-5600
2010AV	0-10/2000-12500

For use with pitot tube.

Model Number	Range MM of Water
2000-6MM†••	0-6
2000-10MM†•	0-10
2000-25MM	0-25
2000-50MM	0-50
2000-80MM	0-80
2000-100MM	0-100
Zero Center Ranges	
2300-20MM†	10-0-10

Model Number	Range, CM of Water
2000-15CM	0-15
2000-20CM	0-20
2000-25CM	0-25
2000-50CM	0-50
2000-80CM	0-80
2000-100CM	0-100
2000-150CM	0-150
2000-200CM	0-200
2000-250CM	0-250
2000-300CM	0-300
Zero Center Ranges	
2300-4CM	2-0-2
2300-10CM	5-0-5
2300-30CM	15-0-15

Model Number	Range, Pascals
2000-60PA†••	0-60
2000-100PA†•	0-100
2000-125PA†•	0-125
2000-250PA	0-250
2000-300PA	0-300
2000-500PA	0-500
2000-750PA	0-750
Zero Center Ranges	
2300-250PA	125-0-125
2300-500PA	250-0-250

Model Number	Range, Kilopascals
2000-1KPA	0-1
2000-1.5KPA	0-1.5
2000-2KPA	0-2
2000-3KPA	0-3
2000-4KPA	0-4
2000-5KPA	0-5
2000-8KPA	0-8
2000-10KPA	0-10
2000-15KPA	0-15
2000-20KPA	0-20
2000-25KPA	0-25
2000-30KPA	0-30
Zero Center Ranges	
2300-1KPA	.5-0-.5
2300-3KPA	1.5-0-1.5

Accessories

A-299, Surface Mounting Bracket
A-300, Flat Flush Mounting Bracket.....
A-310A, 3-Way Vent Valve.....
A-321, Safety Relief Valve.....
A-432, Portable Kit .....
A-605, Air Filter Kit .....
A-610, Pipe Mount Kit .....

Options — To order, add suffix: I.E. 2001-ASF
ASF (Adjustable Signal Flag)
HP (High Pressure Option)
LT (Low Temperatures to -20°F)
MP (Med. Pressure Option)
SP (Setpoint Indicator)

Scale Overlays — Red, Green, Mirrored or Combination, Specify Locations

Special Purpose Ranges

Scale No. 2401 Square Root Specify Range
Scale No. 2402 Blank Scale Specify Range

Model 2000-00N. range -.05 to +.20" W.C. For room pressure monitoring

†These ranges calibrated for vertical scale position.
• Accuracy +/-3%. •• Accuracy +/-4%

1011R01-0298P

A19 Series

Remote Bulb Control

Description

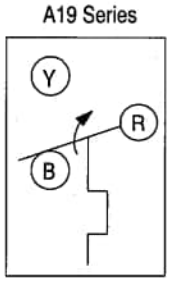
The A19 Series are single-stage temperature controls that incorporate environmentally friendly liquid-filled sensing elements.

Features

- wide temperature ranges available
- constant differential throughout the entire range
- compact enclosure
- fixed or adjustable differential available
- variety of sensing element styles
- unaffected by cross-ambient conditions

Applications

The A19 is suitable for temperature control in heating, ventilating, air conditioning, and refrigeration.



A19 Series
Terminal Arrangement for SPDT



A19ABC-24

Selection Charts

A19 Series Remote Bulb Control[1]

Code Number	Switch Action	Range °F (°C)	Diff F° (C°)	Bulb and Capillary	Bulb Well No. (order separately)	Range Adjuster	Max. Bulb Temp. °F (°C)
Adjustable Differential (Wide Range)							
A19ABA-40C [2]	SPST Open Low	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 6 ft. Cap.	WEL14A-602R	Screwdriver Slot	140 (60)
A19ABC-4C	SPDT	50 to 130 (10 to 55)	3 1/2 to 14 (1.9 to 8)	3/8 in. x 5 in., 8 ft. Cap.	WEL14A-603R	Knob	170 (77)
A19ABC-24C [3]	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 8 ft. Cap.	WEL14A-602R	Convertible	140 (60)
A19ABC-36C	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 20 ft. Cap.	WEL14A-602R	Convertible	140 (60)
A19ABC-37C	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 10 ft. Cap.	WEL14A-602R	Screwdriver slot	140 (60)
A19ABC-74C	SPDT	-30 to 100 (-34 to 38)	3 to 12 (1.7 to 6.7)	3/8 in. x 4 in., 6 ft. Cap.	WEL14A-602R	Screwdriver slot	140 (60)
Fixed Differential							
A19AAF-12C	SPDT	25 to 225 (-4 to 107)	3 1/2 (1.9)	3/8 in. x 3 in., 10 ft. Cap.	WEL14A-602R	Screwdriver slot	275 (135)
Fixed Differential (Case Compensated)							
A19AAC-4C	SPDT	0 to 80 (-18 to 27)	5 (2.8)	3/8 in. x 4 in., 6 ft. Cap.	WEL14A-602R	Screwdriver slot	140 (60)
A19AAD-12C	SPST Open Low	-30 to 50 (-34 to 10)	2 1/2 (1.4)	3/8 in. x 4 in., 7 ft. Cap.	WEL14A-602R	Screwdriver slot	140 (60)
Fixed Differential (Close)							
A19AAD-5C [4]	SPST Open Low	30 to 50 (-1 to 10) **(Bulk Milk Cooler)**	2 1/2 (1.4)	3/8 in. x 2 5/8 in., 6 ft. Cap.	WEL16A-601R	Screwdriver slot	190 (88)
A19AAF-20C	SPDT	-30 to 100 (-34 to 38)	2 1/2 (1.4)	3/8 in. x 4 in., 6 ft. Cap.	WEL14A-602R	Screwdriver slot	140 (60)
A19AAF-21C	SPDT	40 to 90 (4 to 32)	1 1/2 (0.8)	3/8 in. x 5 3/4 in., 6 ft. Cap.	WEL14A-603R	Screwdriver slot	140 (60)
Manual Reset							
A19ACA-14C	SPST Open Low	-30 to 100 (-34 to 38)	Manual Reset	3/8 in. x 4 in. 6 ft .Cap.	WEL14A-602R	Screwdriver slot	140 (60)
A19ACA-15C	SPST Open Low	-30 to 100 (-34 to 38)	Manual Reset	3/8 in. x 4 in. 10 ft. Cap.	WEL14A-602R	Screwdriver slot	140 (60)
A19ADB-1C	SPST Open High	100 to 240 (38 to 116)	Manual Reset	3/8 in. x 3 1/2 in. 6 ft. Cap.	WEL14A-602R	Knob	290 (143)
A19ADN-1C	SPST Open High	100 to 240 (38 to 116)	Manual Reset	3/8 in. x 4 in. 6 ft. Cap.	WEL14A-602R	Screwdriver slot	290 (143)

1. Specify the control model code number, packing nut code number (if required), and bulb well code number (if required).
2. Replaces White-Rodgers 1609-101
3. Replaces White-Rodgers 1609-12, -13; Ranco 010-1408, -1409, - 1410, -1490, 060-110; Honeywell L6018C-1006, L6021A-1005, T675A-1011, -1508, -1516, -1821, T4301A-1008, T6031A-1011, T6031A-1029
4. Case-Compensated

The performance specifications are nominal and conform to acceptable industry standards. For applications at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products. © 2009 Johnson Controls, Inc.

Remote Bulb Control (Continued)

Selection Charts (Continued)

Replacement Parts

Code Number	Description
CVR28A-617R	Concealed adjustment cover
CVR28A-618R	Visible scale cover
KNB20A-602R	Replacement Knob Kit

Accessories

A packing nut is available for closed tank application.
Specify the part number **FTG13A-600R**.

Bulb wells (WEL14A Series) are available for liquid immersion applications.
Refer to the selection chart or to *Bulb Wells Catalog Page, LIT-1922135.*

Technical Specifications

Electrical Ratings

Motor Ratings VAC	120	208	240
Wide Range – Adjustable Differential			
AC Full Load A	16.0	9.2	8.0
AC Locked Rotor A	96.0	55.2	48.0
Non-Inductive A [1]	22 A, 120 to 277 VAC		
Pilot Duty – 125 VA, 24 to 600 VAC			
Fixed Differential and Close Differential			
AC Full Load A	6.0	3.4	3.0
AC Locked Rotor A	36.0	20.4	18.0
Non-Inductive A	10 A, 24 to 277 VAC		
Pilot Duty – 125 VA, 24 to 277 VAC			
Case Compensated – Fixed Differential A19AAC-4			
AC Full Load A	16.0	9.2	8.0
AC Locked Rotor A	96.0	55.2	48.0
Non-Inductive A [1]	22 A, 120 to 277 VAC		
Pilot Duty – 125 VA, 24 to 600 VAC			
A19AAD-12			
AC Full Load A	6.0	3.4	3.0
AC Locked Rotor A	36.0	20.4	18.0
Non-Inductive A	10 A, 24 to 277 VAC		
Pilot Duty – 125 VA, 24 to 277 VAC			
Manual Reset			
AC Full Load A	16.0	9.2	8.0
AC Locked Rotor A	96.0	55.2	48.0
Non-Inductive A	16.0	9.2	8.0
Pilot Duty – 125 VA, 24 to 600 VAC			

1. SPST and N.O. contact of SPDT control;
   SPDT N.C. contact- 16 amps 120 to 277 VAC

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Data

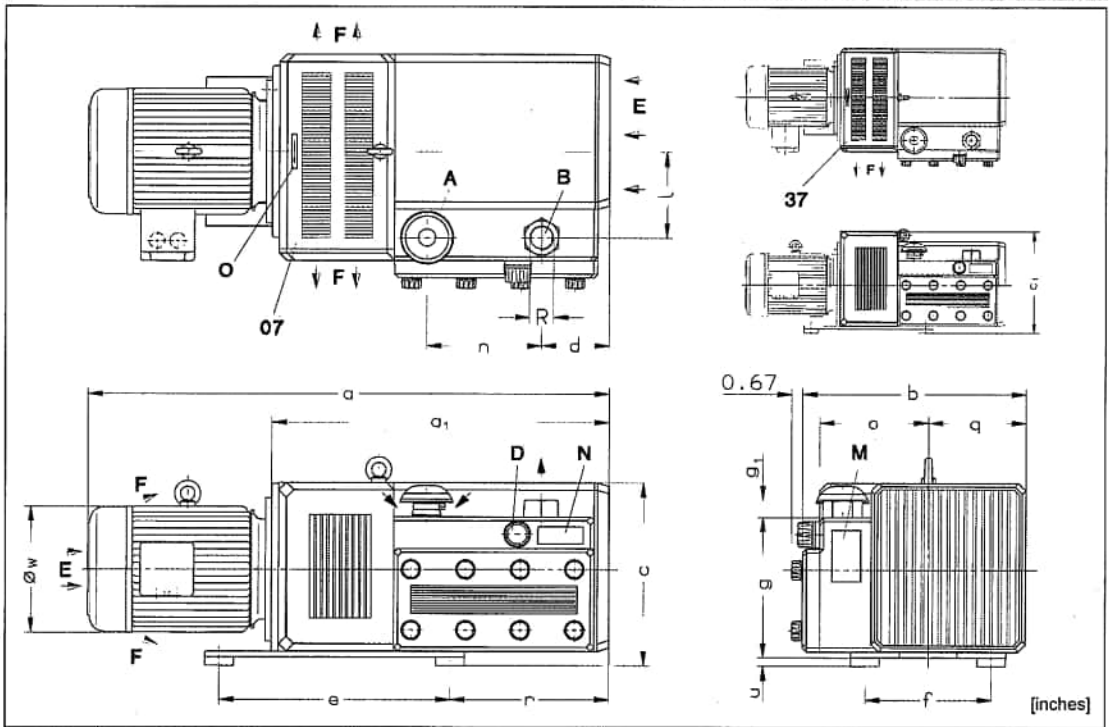
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Compressors | Compresores | Compresseurs | Compressores

DTA

DRUVAC

- DTA 40
- DTA 50
- DTA 60
- DTA 80
- DTA 100
- DTA 140



(07)	Two side cooling air exit	Salida bilateral aire refrigerante	Sortie air refroidissement bi-côté	Saída bilateral do ar refrigerante
(37)	One side cooling air exit	Salida unilateral de aire refrigerante	Sortie air refroidissement mono-côté	Saída unilateral do ar refrigerante
A	Suction	Succión	Aspiration	Sucção
B	Pressure connection	Conexión presión	Raccord surpression	Conexão da pressão
D	Pressure regulating valve	Válvula reguladora de presión	Valve de réglage pression	Válvula de regulagem da pressão
E	Cooling air entry	Entrada aire refrigerante	Entrée air refroidissement	Entrada do ar refrigerante
F	Cooling air exit	Salida aire refrigerante	Sortie air refroidissement	Saída do ar refrigerante
M	Greasing label	Rótulo engrase	Etiquette graissage	Rótulo da lubrificação
N	Data plate	Placa fecha	Etiquette caractéristique	Placa da data
O	Rotation arrow	Dirección de rotación	Flèche sens rotation	Direção da rotação

DTA		40		50		60		80		100		140	
kw	50 Hz	1.85	2.2	2.2	3.0	2.2	3.0	3.0	4.0	4.0	5.5	5.5	7.5
hp	60 Hz	3.0	5.0	5.0		5.0		5.0	7.5	7.5	10	10	15
[inches] a	50 Hz	26.50	28.50	28.50		30.35		30.35	31.02	34.25	38.39	38.39	
	60 Hz	28.59	29.32	29.32		31.96		31.96	34.73	37.96	39.28	39.28	42.94
a (1~)	60 Hz	29.94	-	-		34.10		34.10	-	-		-	
a_1	50 Hz	15.39	15.79	15.79		18.43		18.43		21.65	22.44	22.44	
	60 Hz	16.02		16.02		18.66		18.66	19.17	22.40		22.40	23.03
b		11.65		11.65		15.28		15.28		15.28		15.28	
c		10.24		10.24		12.60		12.60		12.60		12.60	
c_1		-		-		14.41		14.41		14.41		14.41	
d		1.97		1.97		3.03		3.03		3.35		3.35	
e		12.60		12.60		15.75		15.75		15.75		15.75	
f		6.30		6.30		8.27		8.27		8.27		8.27	
g / g_1		7.83 / 0.98		7.83 / 0.98		9.80 / 1.18		9.80 / 1.18		9.80 / 1.18		9.80 / 1.18	
l		4.76		4.76		5.87		5.87		6.10		6.10	
n		5.59		5.59		5.75		5.75		7.95		7.95	
o		5.67		5.67		7.48		7.48		7.48		7.48	
q		5.16		5.16		6.69		6.69		6.69		6.69	
r		6.18		6.18		6.54		6.54		9.76		9.76	
u		0.79		0.79		0.59		0.59		0.59		0.59	
øw	50 Hz	7.72		7.72		7.72		7.72	8.66	8.66	9.69	9.69	
	60 Hz	7.19	8.49	8.49		8.49		8.49	10.34	10.34		10.34	11.47
		8.49	-	-		8.91		8.91	-	-		-	
R		3/4" NPT		3/4" NPT		1" NPT		1" NPT		1 1/4" NPT		1 1/4" NPT	

DA 355

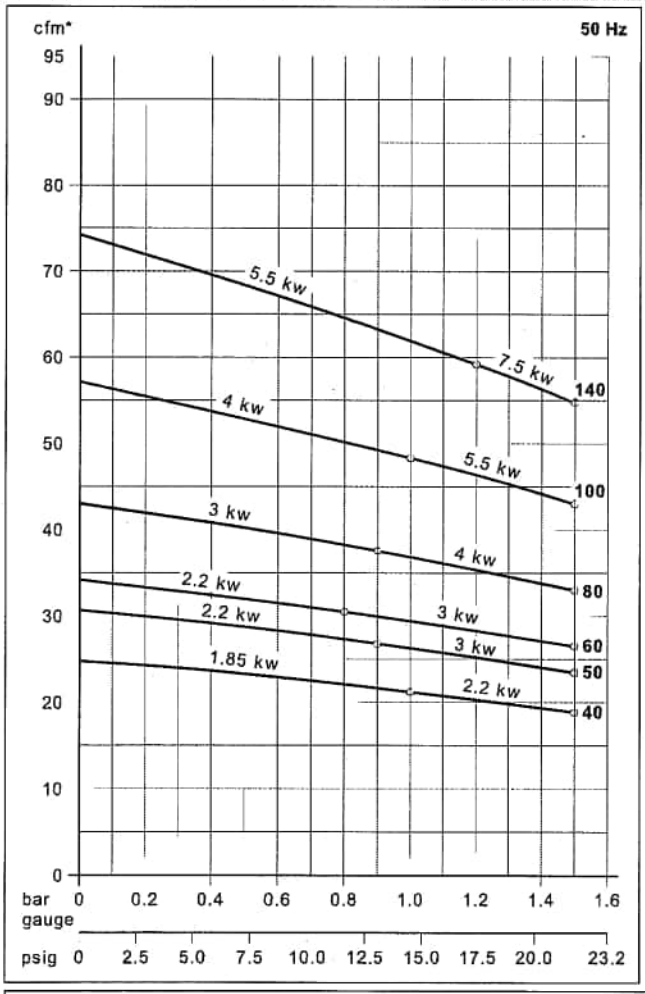
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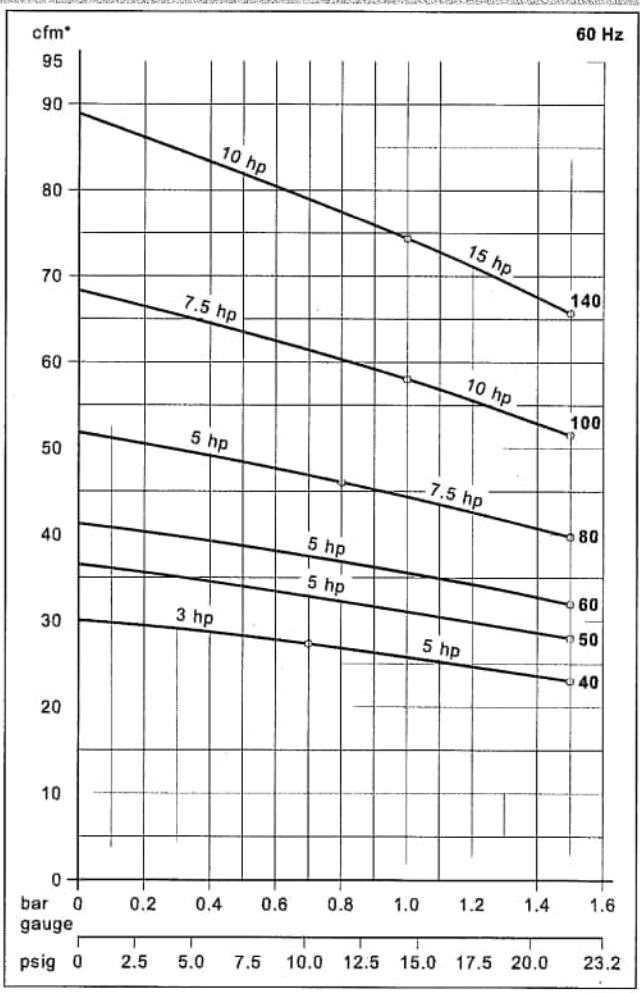
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Hanover, MD 21076 USA
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info@rietschlepumps.com
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www.rietschlepumps.com

DTA		40		50		60		80		100		140	
cfm	50 Hz	24.7		30.6		34.1		43.0		57.1		74.2	
	60 Hz	30.0		36.5		41.2		51.8		68.3		88.9	
psig	50 Hz	14.5	21.8	13.1	21.8	10.2	21.8	13.1	21.8	14.5	21.8	17.4	21.8
	60 Hz	10.2	21.8	21.8		21.8		11.6	21.8	14.5	21.8	13.1	21.8
3~	50 Hz	230/400V ± 10%										400/690V ± 10%	
	60 Hz	208-230/460V ± 10%											
1~	60 Hz	115/208-230V – 10%		-		230V ± 10%				-			
kw	50 Hz	1.85	2.2	2.2	3.0	2.2	3.0	3.0	4.0	4.0	5.5	5.5	7.5
hp	60 Hz	3.0	5.0	5.0		5.0		5.0	7.5	7.5	10	10	15
A (3~)	50 Hz	8.2/4.7	8.5/4.9	8.5/4.9	11.5/6.6	10.0/5.9	11.4/6.6	12.2/7.1	15.0/8.8	15.0/8.8	12.0/6.9	12.0/6.9	16.5/9.5
	60 Hz	8.5-8.2/4.1	15-13.2/6.6	15-13.2/6.6		15-13.2/6.6		15-13.2/6.6	21.5-20/10	21.5-20/10	28-26/13	28-26/13	38.7-38/19
A (1~)	60 Hz	28/15.5-14	-	-		23		23	-	-		-	
rpm	50 Hz	1450											
	60 Hz	1740											
dB(A)	50 Hz	69		71		72		74		76		78	
	60 Hz	71		73		74		76		78		80	
lbs (3~)	50 Hz	128	132	141	150	190	198	214	232	236	276	298	353
	60 Hz	160	167	176		225		240	283	287	280	302	402
lbs (1~)	60 Hz	179	-	-		251		266	-	-		-	

ZRK	20 (03)		20 (03)		25 (03)		25 (03)		32 (03)		32 (03)	
ZAF	20 (50)		20 (50)		25 (50)		25 (50)		32 (50)		32 (50)	

cfm	Capacity	Capacidad	Volume engendré	Capacidade
psig	Excess pressure	Exceso de presión	Surpression	Pressão excessiva
3~	Motor version	Versión motor	Exécution moteur	Versão do motor
kw / hp	Motor rating	Datos motor	Puissance moteur	Potência do motor
A	Full load amperage	Amperaje de plena carga	Intensité absorbée	Amperagem da carga total
rpm	Speed	Velocidad	Vitesse rotation	Velocidade
dB(A)	Average noise level	Nivel de ruido medio	Niveau sonore moyen	Nivel médio de ruído
lbs	Weight	Peso	Poids	Peso
	Accessories	Accesorios	Accessoires	Acessórios
ZRK	Non return valve	Válvula retención	Clapet anti-retour	Válvula sem retorno
ZAF	Suction filter	Filtro succión	Filtre d'aspiration	Filtro de sucção
ZMS	Motor starter	Arranque motor	Disjoncteur moteur	Arranque do motor





* Capacity refers to free air at 1 standard atmosphere and 20° C (68° F)./ La capacidad se refiere al aire libre a 1 atmosfera estandár de presión y a 20° C (68° F) de temperatura./ Le débit est mesuré à l'atmosphère de 1 bar (abs.) à 20° C (68° F)./ A capacidade refere-se ao ar livre a uma atmosfera padrão 1 e a 20° C (68° F).
Curves and tables refer to compressor at normal operating temperature./ Las curvas y las tablas se refieran al compresor a la temperatura normal de operación./ Les courbes et tableaux sont établies, compresseur à température de functionnement./ As curvas e tabelas referem-se ao compressor a temperatura normal de operação.
Technical information is subject to change without notice!/ La información técnica está sujeta a cambios sin previo aviso!/ Sous réserve de modification technique./ A informação técnica está sujeita a mudança sem aviso prévio!
The listed values for a, ø w and full load amperage may vary because of different motor manufacturers./ Los valores listados para a, ø w y para el amperaje de carga completa pueden variar para distintos fabicantes de motores./ Les dimensions a et ø w ainsi que l'ampérage peuvent différer des données indiquées ci-dessus, selon le fabricant du moteur./ Como variam os fabricantes de motores, poderá haver variação dos valores indicados para a, ø w e para uma amperagem da carga total.

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VENTURI AIR FLOW METERS
VFLOW SERIES

Application:

newterra Venturi Air Flow Meters are designed to be a cost effective, accurate flow meter that is calibrated for your site-specific conditions. When ordering the flow meter, it is critical to supply: operating temperature, pressure or vacuum in psia, and the pipe ID. The VFLOW meter can be supplied with any scale range required in scfm (25°C, 14.7psia) or acfm at your listed operating conditions. The V-Flow meter can be ordered with standard SCFM scale ranges at a lower cost.

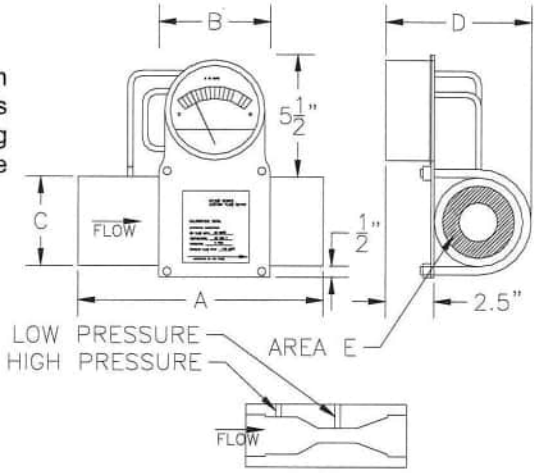


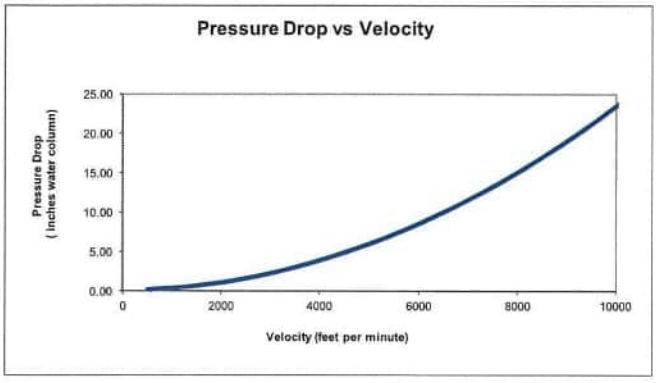
Construction:

The V-Flow Series meters are fabricated from aluminum and have a gradual venturi profile to reduce pressure losses through the meter. Brass tube connections are capable of handling temperatures as high as 250°F. The Dwyer magnehelic ® gauge provides a large, clear and accurate display of your airflow reading and is customized to match your required cfm scale. Each calibrated meter is fitted with a calibration label listing the design conditions that the meter is calibrated for.

Standard Features:

- Aluminum meter construction
- FNPT inlet and outlet
- Direct ready display can be calibrated for your specific operation conditions. Display can read ACFM or SCFM but SCFM is recommended there is less error when the meter is operating above or below the calibrated pressure. Other units are available on request.
- Large 4" display for accurate reading





Dimension Chart:

Part Number	A	B	C	D	E (sqft)	Inlet (fnpt)
1-1/2" VFLOW	6"	4.75"	2.5"	3.25"	0.0123	1.5"
2" VFLOW	7.75"	4.75"	3"	5.75"	0.0218	2"
3" VFLOW	11"	5.5"	4"	6.75"	0.0491	3"
4" VFLOW	14.5"	5.5"	5"	7.75"	0.0872	4"

1325 California Avenue • P.O. Box 1517 • Brockville, ON • K6V 5Y6 • T: 800.420.4056 • F: 613.345.7633

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VENTURI AIR FLOW METERS
VFLOW SERIES

Specifications:

Maximum Air Temperature:	250 °F (standard) 300 °F (high temp version)	Accuracy:	2.5 % of scale at calibration point
Max. Operating Pressure	15 psig (standard unit) 35 psig (medium pressure unit) 80 psig (high pressure unit)	Pressure Drop:	Less than 2" WC pressure drop in high flow applications
Repeatability:	1% of scale at calibration point		

Recommended flow rates for each meter at a given operating pressure range. These values are suitable for temperatures between 70-100°F. For meter applications outside this temperature range where the operating flow rate is at the upper or lower limit listed please contact our sales department for help in choosing a suitable meter.

Model	Recommended Operating Flow rates (SCFM)				
	5-10 psi	0-5 psi	0-10" Hg	10-20" Hg	20-26" Hg
VFLOW 1.5"	30-140	25-120	20-100	15-75	10-40
VFLOW 2"	50-250	45-200	35-180	30-125	20-70
VFLOW 3"	100-500	120-600	80-400	60-320	40-150
VFLOW 4"	200-1000	175-850	140-700	120-540	70-250

Calibration and Correction Factors:

Each V-Flow meter is calibrated for a specific operating temperature and pressure. If the flow meter operates at a different pressure or temperature than the original design, the flow measurement can be adjusted with the following equation: (Units of $Flow_1$ and $Flow_2$ will be the same)

$$Flow_{Actual} = \frac{Flow_{Calibrated}}{(P_{Cal}/P_{Act} \times ((T_{Cal}+460)/(T_{Act}+460))^{1/2}}$$

Pressure units: psia, Temperature units: ° F

Options Table:

Option	Description
Orientation:	The flow meter gauge can be oriented for flows from Left to Right, Right to Left, Up or Down as required for your specific application.
Site Specific Calibration and Gauge Range:	The following information is required to calibrate the flow meter for your specific application: Operating Pressure (psia): Operating Temperature (° F or °C): Operating Flow Rate (acfm or scfm or other scales as required): Maximum Flow rate (better accuracy is achieved when the operating flow rate is approximately ¾ of the scale range of the flow meter):
4-20ma Option	Flow meters can be ordered with 4-20ma outputs for control systems. Three versions are available: Nema 7 (Class 1 Div 1) FM or CSA approved Two Wire Connection: 24VDC+, Signal Output Power Consumption: 20mA 316SS Wetted parts Nema 4 (Weatherproof) or Nema 1 (General Purpose) Three Wire Connection: 24VDC+, 24VDC-, Signal Output Accuracy on all 4-20ma outputs: 2.5% of full scale for meter Aluminum with Silicon diaphram

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VENTURI AIR FLOW METERS
VFLOW SERIES

Company Name: _____ Purchase Order Number: _____
Contact Name: _____ Contact Number (PH/FAX): _____/_____
(Note: Please include relevant credit information to set up an account if required.
Ship to Address: _____
Billing Address: _____
Credit Card Orders (Please check card type)

❑ VISA ❑ MASTERCARD
Credit Card Number: _____ Expiry Date (m/y): _____ / _____

Meter Size: (please check box)

❑ 1" ❑ 2" ❑ 4" ❑ 8"
❑ 1-1/2" ❑ 3" ❑ 6"

Orientation: (please check box)

❑ Flow from Left to Right ❑ Flow Up
❑ Flow from Right to Left ❑ Flow Down

4-20mA Output (please check box)

❑ Nema 7, Class 1 Div 1, 316SS, with flow gauge ❑ Nema 7, Class 1 Div 1, 316SS, no direct read display
❑ Nema 4, Weatherproof, with flow gauge ❑ Nema 4, Weatherproof, no direct read display
❑ Nema 1, General Purpose, with flow gauge ❑ Nema 1, General Purpose, no direct read display
❑ None

Calibration Information (Required Information):

Operating Pressure: _____ **Operating Temperature:** _____

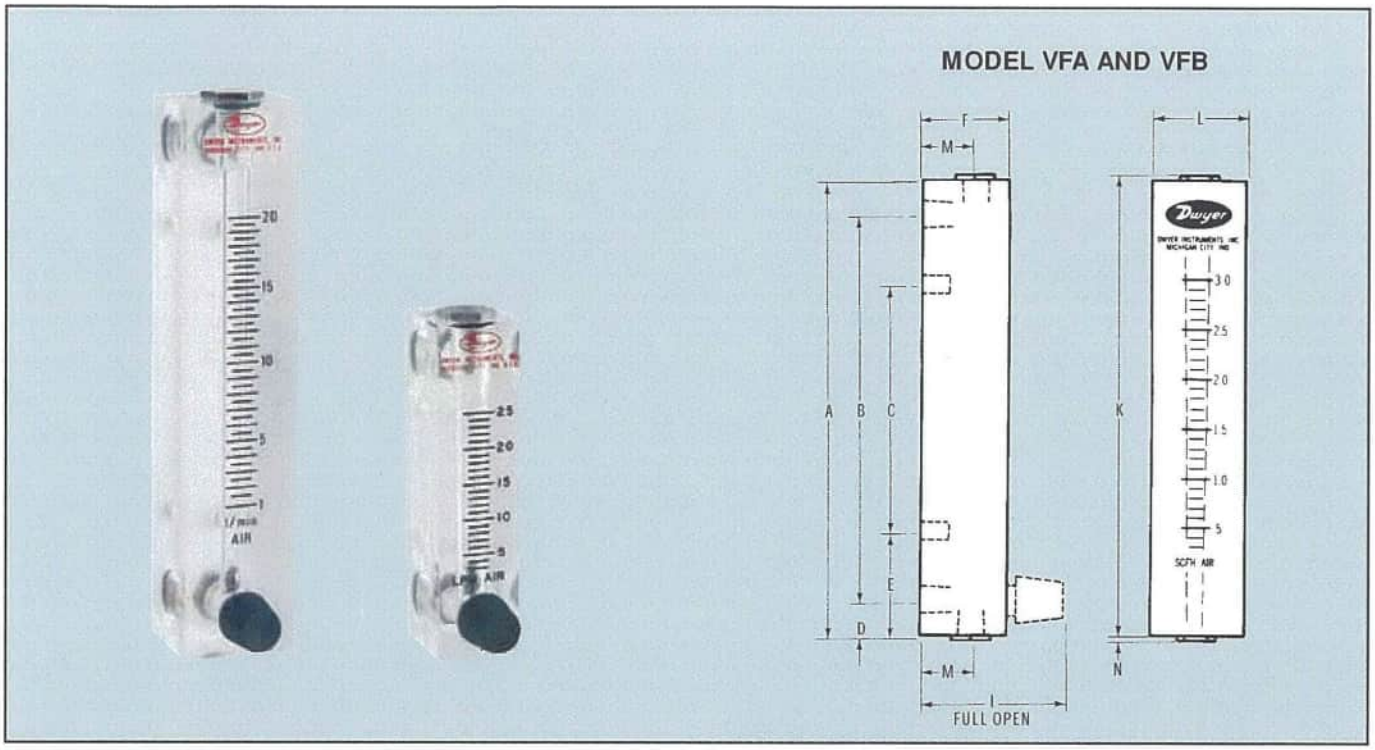
Elevation or Atmospheric Pressure: _____

Operating Flow Rate: _____ **Maximum Flow Rate*:** _____
Scfm units are preferred but any flow units can be provided. The operating flow rate should be approximately ¾ of full scale to allow for an accurate reading at that flow rate.
Lowest accurate reading is at ¼ of full scale.
* Options for Maximum flow Rates include:1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 15, 20, 25, 30, 35, 40, 45, 50, 55, 60, 65, 70, 75, 80, 85, 90, 95, 100 and any scale can be multiplied by 10, 100, 1000, 10000

Series VFA & VFB

Visi-Float® Flowmeters

Used to Indicate or Manually Control Air or Water Flow



The Visi–Float® flowmeter bodies are cut and precision machined from solid, clear acrylic plastic blocks. This construction not only produces a handsome finished product, but permits complete visual inspection. As a result, the Visi-Float® flowmeters are especially popular for medical and laboratory equipment applications.

Scales are easy to read – The front scale location and white background provides excellent visibility. The direct reading scales are hot stamped into the plastic and will not wear off. Mid-range calibration is established with a master flowmeter. Accuracy is ±5% of full scale for VFA models, ±3% for VFB. Scales average 2" long on the VFA models, 4" long on VFB.

Durable and attractive construction – The machined acrylic bodies of the Visi-Float® flowmeters are practically unbreakable. Fabrication is backed by over 60 years of experience in acrylic instrument machining. The tapered bore is precision machined to a smooth surface that provides perfect visibility of the indicating float. The VFA and VFB models are available with either brass or stainless steel inlet and outlet connections and are tapped for 1/8˝ NPT thread. VFB models 85 and 86 have either 1/4˝ back or 3/8˝ end connections. All standard models employ Buna-N "O" rings for leak proof operation and are available with either back or end connections for horizontal or vertical piping. Precision metering valves in brass or stainless steel are available for most VFA and VFB models.

DIMENSION-IN INCHES		
	Model VFA	Model VFB
A	4	6-1/2
B	3 (1/8 female NPT)	5-1/2 (1/8 female NPT)
C	1-5/8 (10-32 Thread)	3-1/2 (10-32 thread)
D	1/2	1/2
E	1-3/16	1-1/2
F	1-1/4	1-1/4
I	2-1/16 (BV or SSV)	2-1/16 (BV or SSV)
K	4-3/32	6-19/32
L	1	1-3/8
M	3/4 (EC)	3/4 (EC)
N	3/32 (EC)	3/32 (EC)

Easy installation – All Visi-Float® flowmeters have metal mounting inserts on rear for panel mounting. They can also be supported directly by system piping.

Special Multi-Column Visi-Float® Flowmeters

Perfect for OEM applications, Visi-Float® flowmeters can be custom made with up to 10 columns in a single block of acrylic plastic. Available with or without valves. Consult factory for more information.



OEM Specials – Special flowmeter designs can be supplied to meet a wide range of requirements and specific applications. These include: on-off plunger and push-to-test valves, special gas or fluid calibration, special ranges, scales, name brand or other identification. Pointer flags can be furnished for instant visual reference. For specific information, please supply an outline of your requirements.

How To Order

Series – Range No. – Valve – Option
Example: VFA-9-BV
Series VFA with 20-200 SCFH Air Range & Brass Valve

SPECIFICATIONS

Service: Compatible gases & liquids.

Wetted Materials:

Body: Acrylic plastic.

O-ring: Buna-N (Fluoroelastomer available).

Metal Parts: Brass standard, stainless steel optional.

Float: Stainless steel, black glass, aluminum, K Monel depending on range.

Temperature & Pressure Limits:

Without Valve: 100 psig (6.9 bar) @ 150°F (65°C);
150 psig (10 bar) @ 100°F (38°C).
With Valve: 100 psig (6.9 bar) @ 120°F (48°C).

Accuracy: VFA = 5% of full scale; VFB= 3% of full scale.

Process Connection: 1/8" female NPT. VFB ranges 85 and 86 have 1/4" NPT back connections or 3/8" NPT end connections. These ranges not available with brass valves.

Scale Length: VFA 2" typical length; VFB 4" typical length.

Mounting Orientation: Mount in vertical position.

Weight: VFA: 4.0-4.8 oz (.11-.14 kg). VFB: 7.2-8.8 oz (.20-.25 kg).

VFA SERIES

Model	Description
VFA-X	Standard VFA
VFA-X-SS	VFA with Stainless Metal Wetted Parts
VFA-X-BV	VFA with Brass Valve
VFA-X-SSV	VFA with Stainless Steel Valve
VFA-X-EC	VFA with End Connections
VFA-X-EC-SS	VFA with End Connections and Stainless Steel Metal Wetted Parts
Options & Accessories -PF, Red ABS Plastic Pointer Flag -VIT, Fluoroelatomer O-rings RKA, Pressure Regulator	

VFB SERIES

Model	Description
VFB-X	Standard VFB
VFB-X-SS	VFB with Stainless Metal Wetted Parts
VFB-X-BV	VFB with Brass Valve
VFB-X-SSV	VFB with Stainless Steel Valve
VFB-X-EC	VFB with End Connections
VFB-X-EC-SS	VFB with End Connections and Stainless Steel Metal Wetted Parts
Options & Accessories -PF, Red ABS Plastic Pointer Flag -VIT, Fluoroelastomer O-rings RK-VFB, Pressure Regulator	

POPULAR RANGES

Model VFA — 2" Scale			
Range No.	Range SCFH Air	Range No.	Range LPM Air
1	.1-1	21	.06-0.5
2	.2-2	22	.15-1
3	.6-5	23	.6-5
4	1-10	24	1-10
5	2-20	25	3-25
6	4-30	26	6-50
7	5-50	27	10-100
8	10-100		
9	20-200		
	CC Water per min.		Gal. Water per hour
32	6-50	41	.6-5
33	10-100	42	2-10
34	20-200	43	3-20
		44	8-40

POPULAR RANGES

Model VFB — 4" Scale			
Range No.	Range SCFH Air	Range No.	LPM Air
50	.3-3	65	.2-4
91*	1-10	66	1-10
51*	2-20	67	1-20
52	4-40	68	3-30
53*	10-100	69	4-40
54*	10-150		CC/Min. Water
55*	20-200	82	2-30
	SCFM Air		GPH Water
90	.3-3	80*	.5-12
	CC/Min. Air	83*	1-20
60	100-1000	84	6-40
		81	6-60
			GPM Water
		85*	.2-2
		86*	.6-5

* For dual range models in English and Metric add "D" to end of Range No.
* Ranges 85 and 86 add $16.00 to VFB prices. Not available with brass valve.



Pendant



Ceiling

Enclosed & Gasketed*

UL Listed - File E10514

CSA Certified - File LR11713

FEATURES-SPECIFICATIONS

V SERIES ENCLOSED & GASKETED

Applications

Locations requiring durable, protected lighting fixtures

Wet and dirt laden locations, such as industrial environments requiring enclosed and gasketed (vaportight) fixtures

Lighting walkways, tunnels, loading docks, exits, stairwells, etc

Fixtures intended for base-up mounting

Heat resistant glass globes recommended for wet locations

Features

- Electrostatically applied epoxy/polyester finish
- Enclosed and gasketed fixture (vaportight). Joint gaskets provided to seal out moisture and dirt
- Splice box selections include pendant, ceiling, bracket and stanchion mounting types
- Modular design permits selection of splice box, fixture body, globe, guard and reflector for specific or custom applications
- Hubs are threaded for attachment to conduit and set screws are provided in pendant fixtures
- Copper-free aluminum (less than 4/10 of 1%) construction with electrostatically applied epoxy/polyester finish resists corrosion

L

***Class I, Div. 2, NEMA 4 models available - see VXFC Series lighting assemblies & components, pages L9-L12. Dimensions page L13.**

HUBBELL
KILLARK®

V SERIES • WEATHERPROOF
INCANDESCENT COPPER-FREE ALUMINUM FIXTURES



Enclosed & Gasketed

UL Listed - File E27731

CSA Certified - File LR11851

ORDERING INFORMATION



PENDANT MOUNT WITH VGA SPLICE BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUAG-1-100②	VUAGG-1-100①	VGA-1	VFC-100	VCG-100	VAG-100
		3/4"	VUAG-2-100②	VUAGG-2-100①	VGA-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUAG-1-200②	VUAGG-1-200②	VGA-1	VFC-200	VCG-200	VAG-200
		3/4"	VUAG-2-200②	VUAGG-2-200②	VGA-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH FEET USING VBC SPLICE BOX AND VBA ADAPTER

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUXBG-1-100①	VUXBGG-1-100①	VBC-1 + VBA	VFC-100	VCG-100	VAG-100
		3/4"	VUXBG-2-100①	VUXBGG-2-100①	VBC-2 + VBA	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUXBG-1-200②	VUXBGG-1-200②	VBC-1 + VBA	VFC-200	VCG-200	VAG-200
		3/4"	VUXBG-2-200②	VUXBGG-2-200②	VBC-2 + VBA	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH VGX SPLICE BOX

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUXG-1-100②	VUXGG-1-100②	VGX-1	VFC-100	VCG-100	VAG-100
		3/4"	VUXG-2-100②	VUXGG-2-100②	VGX-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUXG-1-200②	VUXGG-1-200②	VGX-1	VFC-200	VCG-200	VAG-200
		3/4"	VUXG-2-200②	VUXGG-2-200②	VGX-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH VGC SPLICE BOX - FEED THROUGH

FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUCG-1-100②	VUCGG-1-100①	VGC-1	VFC-100	VCG-100	VAG-100
		3/4"	VUCG-2-100②	VUCGG-2-100②	VGC-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUCG-1-200②	VUCGG-1-200②	VGC-1	VFC-200	VCG-200	VAG-200
		3/4"	VUCG-2-200②	VUCGG-2-200②	VGC-2	VFC-200	VCG-200	VAG-200

*For other colors, order globes and fixture components separately.

① Fixture supplied as component unit pack when ordered by this catalog number.

② Catalog number for ordering convenience; fixture is shipped as components as listed in catalog number table.

HUBBELL

KILLARK®



Enclosed & Gasketed

UL Listed - File E27731

CSA Certified - File LR11851

ORDERING INFORMATION



CEILING MOUNT WITH VGH SPLICE BOX - DEAD END								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VUHG-1-100②	VUHGG-1-100②	VGH-1	VFC-100	VCG-100	VAG-100
		3/4"	VUHG-2-100②	VUHGG-2-100②	VGH-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VUHG-1-200②	VUHGG-1-200②	VGH-1	VFC-200	VCG-200	VAG-200
		3/4"	VUHG-2-200②	VUHGG-2-200②	VGH-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH VXA DEEP 5-HUB SPLICE BOX								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VXAG-110②	VXAGG-110①	VXA-1	VFC-100	VCG-100	VAG-100
		3/4"	VXAG-210②	VXAGG-210②	VXA-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VXAG-120②	VXAGG-120②	VXA-1	VFC-200	VCG-200	VAG-200
		3/4"	VXAG-220②	VXAGG-220②	VXA-2	VFC-200	VCG-200	VAG-200



CEILING MOUNT WITH VBA ADAPTER FOR ROUND OUTLET BOX								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	BOX ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VOB-100①	VOBG-100①	VBA	VFC-100	VCG-100	VAG-100
200	300	3/4"	VOB-200②	VOBG-200①	VBA	VFC-200	VCG-200	VAG-200

NOTES: Mounts directly to VJ ,VB or steel 3-1/2" or 4" outlet boxes. Supplied with gasket.



CEILING MOUNT WITH VFPS ADAPTER FOR SQUARE OR OCTAGON OUTLET BOX								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	BOX ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VFCA-100②	VFCAG-100②	VFPS	VFC-100	VCG-100	VAG-100
200	300	3/4"	VFCA-200②	VFCAG-200②	VFPS	VFC-200	VCG-200	VAG-200

NOTES: Mounts directly to steel 4" square and 3-1/2" or 4" octagon outlet box. Supplied with gasket.

**For other colors, order globe and fixture components separately.*

① Fixture supplied as component unit pack when ordered by this catalog number.

② Catalog number for ordering convenience; fixture is shipped as components as listed in catalog number table.

V SERIES • WEATHERPROOF
INCANDESCENT COPPER-FREE ALUMINUM FIXTURES



Enclosed & Gasketed

UL Listed - File E27731

CSA Certified - File LR11851

ORDERING INFORMATION



WALL MOUNT WITH FEET USING VBC SPLICE BOX AND VB ELBOW								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VFBG-1-100①	VFBGG-1-100①	VBC-1+VB-1	VFC-100	VCG-100	VAG-100
		3/4"	VFBG-2-100①	VFBGG-2-100①	VBC-2+VB-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VFBG-1-200②	VFBGG-1-200②	VBC-1+VB-1	VFC-200	VCG-200	VAG-200
		3/4"	VFBG-2-200②	VFBGG-2-200②	VBC-2+VB-2	VFC-200	VCG-200	VAG-200



WALL MOUNT WITH VB ELBOW TO MOUNT TO 4" OUTLET BOX								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1/2"	VFBG-110②	VFBGG-110①	VB-1	VFC-100	VCG-100	VAG-100
		3/4"	VFBG-210②	VFBGG-210①	VB-2	VFC-100	VCG-100	VAG-100
200	300	1/2"	VFBG-120②	VFBGG-120②	VB-1	VFC-200	VCG-200	VAG-200
		3/4"	VFBG-220②	VFBGG-220②	VB-2	VFC-200	VCG-200	VAG-200

Mounts directly to VJ or VB Series or 4" steel outlet boxes. One hub in back, supplied with gasket.



WALL MOUNT-WITH VFL ELBOW FOR DIRECT MOUNT TO V SERIES SPLICE BOXES								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	—	VOBL-100②	VOBLG-100①	VFL	VFC-100	VCG-100	VAG-100
200	300	—	VOBL-200②	VOBLG-200②	VFL	VFC-200	VCG-200	VAG-200

Mounts directly to V Series splice boxes.



STANCHION MOUNT FOR 1-1/4" THREADED PIPE								
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER		CONSISTS OF			
			FIXTURE W/ GLOBE	FIXTURE W/ GLOBE & GUARD	MOUNTING ARM	FIXTURE BODY	CLEAR GLOBE*	GUARD (if selected)
100	150	1-1/4"	VD-410G①	VD-410GG①	VD-4	VFC-100	VCG-100	VAG-100
200	300	1-1/4"	VD-420G②	VD-420GG②	VD-4	VFC-200	VCG-200	VAG-200

*For other colors, order globe and fixture components separately.

① *Fixture supplied as component unit pack when ordered by this catalog number.*

② *Catalog number for ordering convenience; fixture is shipped as components as listed in catalog number table.*

HUBBELL

KILLARK®

Class I, Div. 2, Groups A,B,C,D
Class I, Zone 2, Groups IIC,IIB,IIA
NEMA 3, 4*

UL Listed - File E10514
UL-1571 Standard for incandescent fixtures
UL-844 Standard for hazardous location fixtures

CSA Certified - File LR11713



Pendant



Ceiling

FEATURES-SPECIFICATIONS

Applications

Killark "V" Series Vaportight fixtures are now available Third Party Certified for use in certain hazardous as well as wet locations which require durable, protected lighting fixtures.

Wet and dirt laden industrial environments such as walkways, tunnels, loading docks, stairwells, etc. made hazardous by the presence of flammable vapors as defined by the NEC.

Fixtures intended for base-up mounting only.

Heat resistant (tempered) glass globes recommended for wet locations.

** NEMA 3, 4 when used with tempered glass.*

Features

Killark Vaportight assemblies using VXFC bodies & tempered glass have all the features & advantages of "V" Enclosed & Gasketed" models plus:

- Heavy-duty silicone gasketing for NEMA 4 requirements
- Third party tested & labeled for use in C1D2 areas
- Modular design permits selection of splice box, fixture body, globe, guard and reflector for specific or custom applications
- Existing V Series mounting boxes may be retrofitted to upgrade to NEMA 4; C1D2 suitability

Copper-free aluminum construction with electrostatically applied epoxy/polyester finish resists corrosion

L

APPLICATION DATA①

FIXTURE TYPE	LAMP SIZE	GLOBE TYPE	TEMPERATURE CODE
100	A-19 60W	colored & clear	T2C (230°C)
100	A-19 70W	colored & clear	T2D (215°C)
100	A-19 100W	colored & clear	T2A (280°C)
100	A-21 100W	colored & clear	T2B (260°C)
100	A-21 150W	colored & clear	T2 (300°C)
100	A-21 100W	clear only	T2B (260°C)
100	A-21 150W	clear only	T2C (230°C)
200	A-23 200W	colored & clear	T2 (300°C)
200	PS-25 200W	colored & clear	T2A (280°C)
200	PS-25 300W	colored & clear	(350°C)

① Suitability based on base up installation

See dimensions page L13.

HUBBELL
KILLARK®



Class I, Div. 2, Groups A,B,C,D②
Class I, Zone 2, Groups IIC,IIB,IIA
NEMA 3, 4

UL Listed - File E10514
UL-1571 Standard for incandescent fixtures
UL-844 Standard for hazardous location fixtures

CSA Certified - File LR11713

ORDERING INFORMATION



PENDANT MOUNT WITH VGA SPLICE BOX							
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VUAGG-1-100PX①	VGA-1	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VUAGG-2-100PX①	VGA-2	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VUAGG-1-200PX①	VGA-1	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VUAGG-2-200PX①	VGA-2	VXFC-200 N34	VCGP-200	VAG-200



CEILING FIXTURE WITH VGX SPLICE BOX							
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VUXGG-1-100PX①	VGX-1	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VUXGG-2-100PX①	VGX-2	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VUXGG-1-200PX①	VGX-1	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VUXGG-2-200PX①	VGX-2	VXFC-200 N34	VCGP-200	VAG-200



CEILING FIXTURE WITH MOUNTING FEET USING VBC SPLICE BOX & VBA ADAPTER							
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ADAPTER	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VUXBGG-1-100PX①	VBC-1+VBA	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VUXBGG-2-100PX①	VBC-2+VBA	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VUXBGG-1-200PX①	VBC-1+VBA	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VUXBGG-2-200PX①	VBC-2+VBA	VXFC-200 N34	VCGP-200	VAG-200



WALL FIXTURE WITH MOUNTING FEET USING VBC SPLICE BOX & VB ELBOW							
FIXTURE TYPE	LAMP WATT	HUB SIZE	CATALOG NUMBER	CONSISTS OF			
			FIXTURE W/ GLOBE & GUARD	MOUNTING BOX/ELBOW	FIXTURE BODY	CLEAR GLOBE*	GUARD
100	150	1/2"	VFBGG-1-100PX①	VBC-1 + VB-1	VXFC-100 N34	VCGP-100	VAG-100
		3/4"	VFBGG-2-100PX①	VBC-2 + VB-2	VXFC-100 N34	VCGP-100	VAG-100
200	300	1/2"	VFBGG-1-200PX①	VBC-1 + VB-1	VXFC-200 N34	VCGP-200	VAG-200
		3/4"	VFBGG-2-200PX①	VBC-2 + VB-2	VXFC-200 N34	VCGP-200	VAG-200

*For other colors, order globes and mounting components separately.

① Fixture supplied as component unit pack when ordered by this catalog number.

② See page L9 for temperature codes; NEMA 3, 4 when used with tempered glass.

Listed - File E27731
Certified - File LR11851

VFC Fixture Bodies

Fixture bodies contain lamp receptacle and are threaded to accept globes, guards and reflectors. These fixture bodies are designed for metallic boxes and mount directly to V Series splice boxes. They may also be mounted to VJ Series, VB Series or other 4" outlet boxes with the use of the appropriate adapter plate. Each fixture body is supplied with gaskets.



VFC-100
VXFC-100①



VFC-200
VXFC-200①

V FIXTURE BODIES	
CATALOG NUMBER	DESCRIPTION
VFC-100	150W max. Enclosed & Gasketed Fixture Boby
VFC-200	300W max. Enclosed & Gasketed Fixture Boby
VXFC-100 N34	150W max. NEMA 3,4 - Class I, Div. 2 Fixture Body①
VXFC-200 N34	300W max. NEMA 3,4 - Class I, Div. 2 Fixture Body①

① Use VXFC body with tempered globe for NEMA 3, 4 - Class I, Div. 2 applications. VXFC body is Class I, Div. 2 only (not N3, N4) when used with standard globes. Consult temperature table, page L9 for suitability.

V Splice Boxes

For use with types 100 and 200 fixture bodies



VGA



VGH



VGC



VGX



VXA



VBC

V SPLICE BOXES			
CATALOG NUMBER	HUB SIZE & QTY.		DESCRIPTION
VGA-1	1/2"	1	Pendant mount
VGA-2	3/4"	1	
VGH-1	1/2"	1	Ceiling mount
VGH-2	3/4"	1	
VGC-1	1/2"	2	Ceiling mount
VGC-2	3/4"	2	
VGX-1	1/2"	4	Ceiling mount
VGX-2	3/4"	4	
VXA-1	1/2"	5	Ceiling mount, deep box
VXA-2	3/4"	5	
VBC-1	1/2"	4	Ceiling mount, with 3 close-up plugs (requires **VBA** Adapter)
VBC-2	3/4"	4	



VBA



VFPS

V ADAPTER MOUNTING PLATES	
CATALOG NUMBER	DESCRIPTION
VBA	Adapts fixture body to VB, VJ or steel 3-1/2" & 4" splice boxes. Supplied with gasket.
VFPS	Adapts fixture body to steel 4" square outlet boxes or 3-1/2" or 4" octagon boxes



VB



VFL



VD

V MOUNTING BRACKETS			
CATALOG NUMBER	HUB SIZE	QTY.	DESCRIPTION
VB-1	1/2"	1	Wall mount to VJ or VB boxes
VB-2	3/4"	1	Wall mount to VJ or VB boxes
VFL	—	—	Wall mount to V boxes directly or to VJ, VB boxes with VBA adapter
VD-4	1-1/4"	1	Stanchion mount

Listed - File E27731
Certified - File LR11851



150 W Max.
Lamp Size A-21



300 W Max.
Lamp Size PS-25



Polycarbonate



500 W Max.
Lamp Size PS-35

V GLASS GLOBES		
CATALOG NUMBER		DESCRIPTION
150 W A-21 LAMP	300 W PS-25 LAMP	
VCG-100	VCG-200	Clear
VCGP-100	VCGP-200	Clear Tempered. Thermal and shock resistant①
VCGPT-100	—	Clear Tempered with Tuffskin® coating②
VAMG-100	VAMG-200	Amber
VGG-100	VGG-200	Blue Green
VGGP-100	VGGP-200	Blue Green Tempered①
VBG-100	VBG-200	Blue
VBGP-100	—	Blue Tempered①
VRG-100	VRG-200	Ruby
VRGP-100	—	Ruby Tempered①
VRSG-100	—	Green
VPG-100	—	Purple
75 W A-19 LAMP	150 W A-21 LAMP	Polycarbonate. Cannot be used with guard or in high ambient temperature locations (40°C/104°F max.) Not UL Listed.
VPLCG-100	VPLCG-200	
500 W PS-35 LAMP		
VCG-500		Clear (for replacement) Formerly DCG-20
VCGP-500		Tempered. Thermal and shock resistant (for replacement).

① Recommended for use with VXFC fixture basis.
② TM Thomas Manufacturing.



V GUARDS	
CATALOG NUMBER	DESCRIPTION
VAG-100	100 Series Vaportite guard
VAG-200	200 Series Vaportite guard



V REFLECTORS		
CATALOG NUMBER	DESCRIPTION	
VPRSD-100	100 Series Reflector	16 3/8" Dia. 5 5/8" High. White polypropylene for pendant & ceiling applications. Not for use with wall or stanchion models.
VPRSD-200	200 Series Reflector	



Body To Splice Box
Gasket
100 or 200 Series
VTG Standard
VTG-S Silicone (pictured)



Lamp Socket
Gasket
VTRG

V SERIES GASKETS			
CATALOG NUMBER		TYPE	DESCRIPTION
100 SERIES	200 SERIES		
VTG		VFC	Fixture body to splice box
VTG-S		VXFC	Silicone, Fixture body to splice box
VTRG		VFC, VXFC	Porcelain lamp socket gasket
—	VTGG	VFC	Globe gasket
VTGG1-S	VTGG2-S	VFXC	Silicone, globe gasket



Globe Gasket
100 Series Standard - none required
200 Series Standard - VTGG (pictured)
100 Series Silicone - VTGG1-S
200 Series Silicone - VTGG2-S



V LAMP SOCKET	
CATALOG NUMBER	DESCRIPTION
VRME	For fixture types 100 and 200

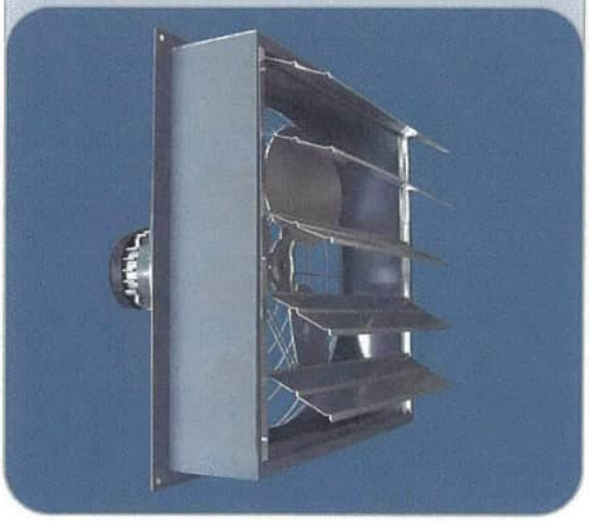
HUBBELL
KILLARK®

EXPLOSION PROOF STANDARD FAN

Efficient • Low Maintenance • Easy Installation

Canarm's Explosion Proof Fans follow a tradition of quality in design, materials and construction.

Front



Back



Features

- Available in 12", 18" and 24" sizes.
- All fans use a totally enclosed, ball bearing motor with thermal overload protection (fan cooled).
- The motor mount is manufactured with heavy welded rods and has a powder coated finish.
- The fan blades are well-balanced, heavy gauge aluminum.
- The rugged steel welded box housing has a durable powder coated finish.
- Aluminum louver shutters are supported by long life nylon bushings.
- All fans are shipped completely assembled.

General Information

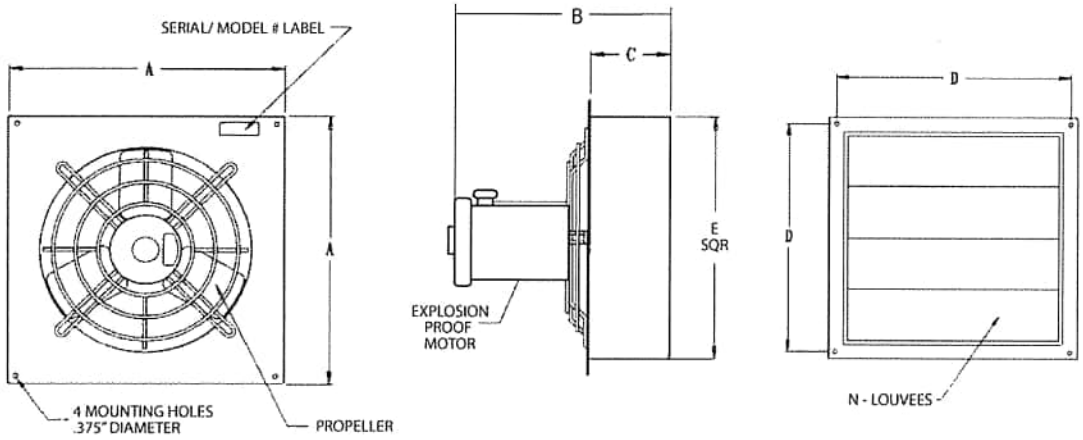
Canarm's Explosion Proof Fans follow a tradition of quality in design, materials and construction. Using our quality "Standard Fan" housing and motor mount as the basis for design, we have developed an efficient, economically priced Explosion Proof Fan. All Explosion Proof Fans have a single speed, dual voltage explosion proof motor that meets and conforms to all the standards that are listed below.

Class I, Group C	*Atmospheres containing ethyl ether, ethylene, gases or vapors of equivalent hazard.*
Class I, Group D	*Atmospheres such as acetone, ammonia, benzene, butane, cyclopropane, ethanol, gasoline, hexane, methane, natural gas, naphtha, propane, or gasses or vapors of equivalent hazard.*
Class II Group F	*Atmospheres containing carbonaceous dust, including carbon black, charcoal, coal, or coke dusts that have more than 8% total entrapped volatiles, or dusts that have been sensitized by other materials so that they present an explosion hazard.*
Class II Group G	*Atmospheres containing combustible dusts not included in group E or F, including flour, grain, wood, plastic and chemicals.*

C US Approved

EXPLOSION PROOF STANDARD FAN

Dimensions



Fan Size	A	B	C	D (c/c)	E	N	Framing
12"	17-1/4"	20-1/2"	6"	16"	14-3/4"	3	15 x 15
18"	23-1/4"	20-1/2"	6"	22"	20-3/4"	4	21 x 21
24"	29-1/4"	20-1/2"	6"	28"	26-3/4"	5	27 x 27

Performance Data & Specifications

Model	Fan Size	Motor H.P.	Volts	Amps	Operation Speed	Fan RPM	Airflow Capacity - CFM				Framing Dimensions
							0" SP	.05" SP	.10" SP	.25" SP	
SD12-XPF	12"	1/3	115/230	6.6/3/3	Single	1625	1,640	1,600	1,540	1,390	15" x 15"
SD18-XPF	18"	1/3	115/230	6.6/3/3	Single	1625	3,200	3,150	3,090	2,920	21" x 21"
SD24-XPF	24"	1/3	115/230	6.6/3.3	Single	1625	5,500	5,400	5,310	5,100	27" x 27"

Note: Wind has a significant effect on exhaust fans. A 10 mph wind creates a 0.05" pressure against the fan. A 20 mph wind creates 0.20" pressure and 30 mph a 0.45" pressure. These pressures are in addition to the static pressure in the building. Wind blocks or hoods should be included in all designs where fans will be subjected to winds above 10 mph.

Warranty

- 1 year on all components.

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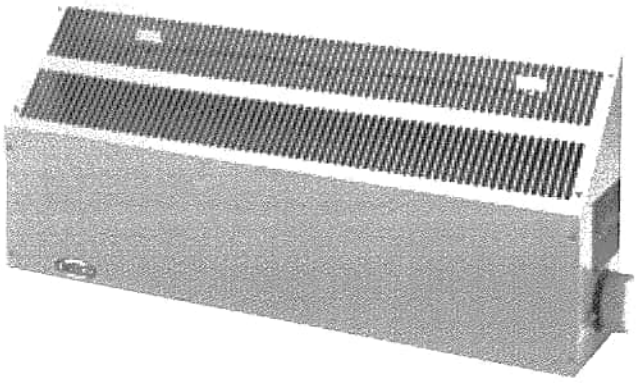
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CONVECTOR



American Bureau of Shipping

Class I, Divisions 1 and 2, Groups B, C and D
Class II, Divisions 1 and 2, Groups E, F and G
Class I, Zones 1 and 2, Group IIC

Applications

- Battery Storage Areas
- Chemical Plants
- Coal Handling Facilities
- Dry Cleaning Plants
- Gasoline Fueling/Storage Areas
- Grain Elevators
- Oil Refineries
- Paint Spraying/Storage Areas
- Petrochemical Plants

INDEECO's explosion-proof convector is designed to provide a heavy duty and corrosion resistant heat source. Features include:

- **Wide Selection of Sizes:** Four compact sizes to fit any space with ratings from 500 to 9,500 watts.
- **Sloped Top Cabinet:** Prevents objects from being set on top of the convector, which can restrict air-flow and cause overheating.
- **Single and Three-Phase:** Unique design provides single and balanced three-phase loads in a single element.
- **Gas and Dust Atmospheres:** Three listings cover the entire field, two for hazardous gases and vapors and one for dust particles.
- **Wet Locations:** All unit sizes available with iridite-coated elements and powder-coated frames for NEMA 3 wet locations.

Standard Construction Features

Element – Grade A Nickel-Chromium heating coils are insulated with ceramics and magnesium oxide from the copper heater tube and fitted with large aluminum fins locked in place.

Cabinet – Heavy gauge galvanized steel cabinet is painted with a beige powder coat for durability. Cabinet should be mounted at least 6 inches (152 mm) above the floor. Factory-furnished wall brackets make installation easy.

Thermal Protection – A linear limit, automatic reset thermal cutout is built into every unit.

Complete Electrical Package – For larger single-phase and all three-phase units, a built-on contactor and transformer option package are available.

Electrical Package Options

All single-phase heaters rated over 22 amps or 277 volts and all three-phase heaters require a magnetic contactor. Some electrical combinations will also require a control transformer. To simplify field installation, these accessories are factory-mounted on the heater cabinet and factory pre-wired (not available on Size 1 convectors).

Code	Option	Description	Availability Code (2)
B2	Electric Control Option (1) (without thermostat)	Classes I and II, Groups B, C, E, D, F and G includes contactor and transformer (as required). Required for all three-phase and single-phase heaters over 22 amps or 277 volts	AS
B2/S1	Thermostat & Controls (1)	Classes I and II, Groups C, D, E, F and G includes thermostat, contactor and transformer (as required).	AS
B3	Thermostat & Controls (Group B) (1)	Classes I and II, Groups B, C, D, E, F and G includes thermostat, contactor and transformer (as required). Thermostat has internal set point.	AS
S1	Thermostat Only (1)	Classes I and II, Groups C, D, E, F and G single-phase heaters rated up to 22 amps at 120-277 volts. Use remote room thermostat Catalog Number 1007002 for Size 1 convectors.	AS
S2	Thermostat Only (Group B) (1)	Classes I and II, Groups B, C, D, E, F and G single-phase heaters rated up to 22 amps at 120-277 volts. Thermostat has internal set point. Use remote room thermostat Catalog Number 1007022 for Size 1 convectors.	AS

(1) These options are not available on Size 1 Convectors.

Custom Option

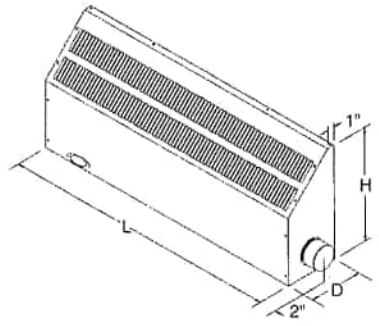
Code	Option	Description	Availability Code (2)
C1	Wet Locations	NEMA 3 rated heater construction not available with S1, B2/S1 and S2 thermostat options.	C

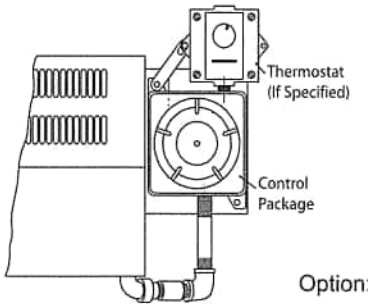
(2) AS = Assembly Stock, C = Custom. Assembly Stock heaters ordered with custom options are subject to longer delivery.

Dimensions and Weights

Unit Size	Dimensions - In. (cm)			Weight - Lb (kg)
	Length (L)	Height (H)	Depth (D)	Without Controls
1	26 (66)	6 (15)	4 ½ (11)	13 (5.9)
2	26 (66)	16 (41)	8 (20)	27 (12.2)
3	39 (99)	16 (41)	8 (20)	36 (16.3)
4	67 ½ (171)	16 (41)	8 (20)	60 (27.2)

Remote Room Thermostat - See page 98.





Option: B2/S1

Convector Heater Listing

Class I, Divisions 1 and 2, Groups B, C and D
Class I, Zones 1 and 2, Group IIC

FM APPROVED

American Bureau of Shipping

Ignition Temperature Code °F (°C)	KW	Volts/ Phase	Heater Amps	Unit Size	Catalog Number	Availability Code (2)
T2A 536 (280)	0.5	120/1	4.2	1	254-F0310052B	AS
		208/1	2.4	1	254-F0310052C	
		240/1	2.1	1	254-F0310052J	
	1	120/1	8.3	1	254-F0310102B	
		208/1	4.8	1	254-F0310102C	
		240/1	4.2	1	254-F0310102J	
	1.8	120/1	15.0	2	254-F0320182B	
		208/1	8.7	2	254-F0320182C	
		240/1	7.5	2	254-F0320182J	
		480/3▲	1.3	2	254-F0320182U	
	2.5	208/1	12.0	2	254-F0320252C	
		240/1	10.4	2	254-F0320252J	
		208/3✱	6.9	2	254-F0320252D	
		480/3▲	3.0	2	254-F0320252U	
	3.6	208/1	17.3	3	254-F0330362C	
		240/1	15.0	3	254-F0330362J	
		208/3✱	10.0	3	254-F0330362D	
		480/3▲	4.3	3	254-F0330362U	
	4.4	240/1	18.3	3	254-F0330442J	
		208/3✱	12.2	3	254-F0330442D	
		480/3✱	5.3	3	254-F0330442U	
	6.5	240/1✱	27.1	4	254-F0340652J	
		208/3✱	18.0	4	254-F0340652D	
		480/3▲	7.8	4	254-F0340652U	
	7.5	240/1✱	31.3	4	254-F0340752J	
		208/3✱	20.8	4	254-F0340752D	
		480/3▲	9.0	4	254-F0340752U	
		600/3▲	7.2	4	254-F0340752Z	
	9.5	240/1✱	39.6	4	254-F0340852J	
		208/3✱	26.4	4	254-F0340962D	
		480/3▲	11.4	4	254-F0340952U	
		600/3▲	9.1	4	254-F0340952Z	

✱ Magnetic contactor required.

▲ Magnetic contactor and control transformer required.

These accessories may be field mounted. For factory mounting, see Electrical Package Options on page 18.

(2) AS = Assembly Stock, C = Custom. Assembly Stock heaters ordered with custom options are subject to longer delivery.

Other voltages available. Consult factory.

Convector Heater Listing

Class I, Divisions 1 and 2, Groups B, C and D
Class I, Zones 1 and 2, Group IIC

FM APPROVED

American Bureau of Shipping

Ignition Temperature Code °F (°C)	KW	Volts/ Phase	Heater Amps	Unit Size	Catalog Number	Availability Code (2)
T3A 356 (180)	0.5	120/1	4.2	1	254-F0610052B	AS
		208/1	2.4	1	254-F0610052C	
		240/1	2.1	1	254-F0610052J	
	1.4	120/1	11.7	2	254-F0620142B	
		208/1	6.7	2	254-F0620142C	
		240/1	5.8	2	254-F0620142J	
	2.3	120/1	19.2	3	254-F0630232B	
		208/1	11.1	3	254-F0630232C	
		240/1	9.6	3	254-F0630232J	
		208/3∗	6.4	3	254-F0630232D	
		480/3▲	2.8	3	254-F0630232U	
	3.2	208/1	15.4	4	254-F0640322C	
		240/1	13.3	4	254-F0640322J	
		208/3∗	8.9	4	254-F0640322D	
		480/3▲	3.8	4	254-F0640322U	
	5	240/1	20.8	4	254-F0640502J	
		208/3∗	13.9	4	254-F0640502D	
		480/3▲	6.0	4	254-F0640502U	

Class I, Divisions 1 and 2, Groups B, C and D
Class II, Divisions 1 and 2, Groups E, F and G

Ignition Temperature Code °F (°C)	KW	Volts/ Phase	Heater Amps	Unit Size	Catalog Number	Availability Code (2)
T3C 320 (160)	0.5	120/1	4.2	1	254-F0810054B	AS
		208/1	2.4	1	254-F0810054C	
		240/1	2.1	1	254-F0810054J	
	1	120/1	8.3	2	254-F0820104B	
		208/1	4.8	2	254-F0820104C	
		240/1	4.2	2	254-F0820104J	
	1.7	120/1	14.2	3	254-F0830174B	
		208/1	8.2	3	254-F0830174C	
		240/1	7.1	3	254-F0830174J	
		480/3▲	2.0	3	254-F0830174U	
	3.2	208/1	15.4	4	254-F0840324C	
		240/1	13.3	4	254-F0840324J	
		208/3∗	8.9	4	254-F0840324D	
		480/3▲	3.8	4	254-F0840324U	

∗ Magnetic contactor required.

▲ Magnetic contactor and control transformer required.

These accessories may be field mounted. For factory mounting, see Electrical Package Options on page 18.

(2) AS = Assembly Stock, C = Custom. Assembly Stock heaters ordered with custom options are subject to longer delivery.

Other voltages available. Consult factory.

SENSAPHONE®

REMOTE MONITORING SOLUTIONS



Sensaphone 400 & 800
Technical Specifications

INPUT ZONES

Number of Zones: 400 - 4, 800 - 8

Zone Connector: terminal block

Zone Types:

N.O./N.C. contact,
2.8K Thermistor -20° to 150°F | -30° to 65°C

Zone Characteristics: 5.11K to 2.85V (Short circuit current: 1mA max.)

A/D Converter Resolution: 10 bits ±2 LSB

Zone Protection: 5.5VDC Metal Oxide Varistor with fast acting diode clamps.

RELAY OUTPUT

Rated for 1A 30VAC/1A 30VDC maximum.

LED INDICATORS

System On, Phone In Use, Alarm, Battery Ok.

MICROPHONE

Internal Electret Condenser: For listening in to on-site sounds and detecting high sound levels.

PHONE INTERFACE

Line RJ11 Jack: For connection to a two-wire analog telephone line. (6' modular cord included)

Extension RJ11 Jack w/ Line Seizure: For connecting other devices on the same telephone line, devices connected to this jack are disconnected in the event that the 400 must dial out for an alarm.

Phone Line Protection: Metal Oxide Varistor & self-resetting fuse

POWER SUPPLY

Power Supply: 120VAC/9VDC 60Hz 6W wall plug-in transformer w/6' cord.

Power Consumption: 1.5 Watts

Power Protection: Metal Oxide Varistor

Battery Backup: Six size-C alkaline batteries (not included), providing up to 24 hours of back-up time.

ENVIRONMENTAL

Operating Temperature:
32° to 122°F | 0° to 50°C

Operating Humidity:
0–90% RH non-condensing

Storage Temperature:
32° to 140°F | 0° to 60°C

PHYSICAL

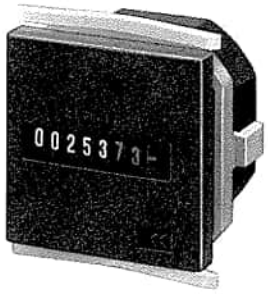
Dimensions: 2.1 x 7.8 x 8.8"d | 5 x 20 x 22mm

Weight: 8 lbs. | 3.6kg

Enclosure: Indoor rated ABS Plastic & Polycarbonate w/clear window door

901 Tryens Road • Aston, PA 19014 • PH: 877-373-2700 • F: 610-558-0222 • www.sensaphone.com

DIN Formate Timers – H 57



Product features
- 7- or 8-digit hour meter
- High shock and impact resistance
- Without reset, small dimensions
- Large optical figures
- Protection IP 52, suitable for any mounting position
- UL-approval

5 Jahre / years Gewährleistung / warranty
Made in Germany by Kübler

Your benefit
- **5 years warranty*** – high reliability means your end product sells better
- Data retention if power is lost
- Long service life

Applications
general time counting, service intervals for measuring devices (respiratory ventilators, oxygen machines, dialysis machines), small appliances, UV lamps, display panels in vehicles

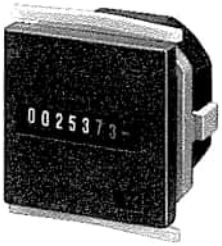
* subject to use in accordance with the technical data

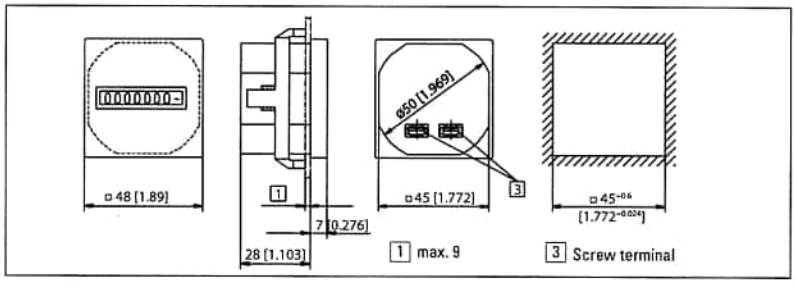
Technical data:

Electrical connection:	screw terminal for cable diameter up to 2.5 mm² [1612.9 square inch] tightening torque max. 0.8 Nm	
Power consumption:	10 ... 30 V DC:	approx. 500 mW
	100 ... 130 V DC:	approx. 750 mW
	20 ... 30 V AC, 50 Hz:	approx. 0.3 VA
	42 ... 48 V AC, 50 Hz:	approx. 0.25 VA
	100 ... 130 V AC, 50 Hz:	approx. 0.6 VA
	187 ... 264 V AC, 50 Hz:	approx. 1.2 VA
	360 ... 440 V AC, 50 Hz:	approx. 1.65 VA
Rated voltages:	20...30/42...48/100...130/187...264/360...440 V AC, 50 or 60 Hz, 10...30/100...130 V DC	
On time:	100 %	
Display:	7 for AC 99999.99 8 for DC 999999.99	
Accuracy:	AC: Supply frequency + 30 ms DC: < 0.003 % (24 h)	
Count mode:	adding	
Height of figures:	4 mm [0.158"]	
Colour of figures:	white and red on black	
Ambient temperature:	–15 ... +50°C [5 ... 122 °F]	
Mounting position:	any	
Protection:	up to IP 52, DIN 40 050 front side	
Housing:	plastic	

Weight:	H 57: 48 g [1.673 oz]; AH 57:	84 g [2.963"]
	base mount socket No. 48:	36 g [1.27"]
	slip-on bezel 55	8 g [0.282"]
	slip-on bezel 72	13 g [0.459"]
Operating indicator of the running time meter:		
AC:	fast rotating wheel with red dashes	
DC:	1/100 h display turns continuously by 1 digit in 36 s	
Test voltage:	2000 V AC , 50 Hz for AC counters	
Options:	further voltages on request	
Counter with wire entry from behind, screw fixing from rear.	Art-No. 3.228.401.XXX.044	
Colour of housing:	grey: Art-No. 3.22X.400.XXX	
Flat pin	0.8 x 6.3 mm [0.032 x 0.248"] Art-No. 3.228.401.XXX	
Welded cover	**(IP 65** from front)	
IP 65 version:	order code: 3.22X.XXX.XXX.422	
Seals required between the counter and the bezel:		
H 57:	N.511.018	
H 57.55:	N.511.018 + N.511.017	
H 57.72:	N.511.018 + N.511.016	
(with the IP 65 version, the seal is included in the delivery)		
Approvals:	UL for USA and Canada E128604 the version 360 ... 440 V AC is not UL listed	

H 57





Voltage	Art-No. (AC), 50 Hz	Art-No. (AC), 60 Hz	Art-No. (V DC)
10 ... 30			3.220.401.351*
20 ... 30	3.220.401.071*	3.220.401.081*	
42 ... 48	3.220.401.072	3.220.401.082	
100 ... 130	3.220.401.074*	3.220.401.084*	3.220.401.381
187 ... 264	3.220.401.075*	3.220.401.085*	
360 ... 440	3.220.401.079	3.220.401.089	

*standard stock model

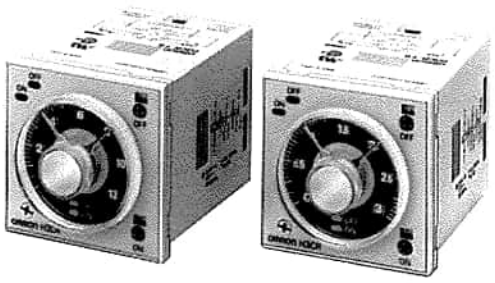
Further standard stock models:
3.220.401.075.422 187 ... 264 V AC,IP 65
3.220.401.351.422 10 ... 30 V DC,IP 65

OMRON®

Solid-State Repeat-Cycle Timer

H3CR-F

1/16 DIN Solid-State Repeat-Cycle Timer



- Wide power supply ranges of 100 to 240 VAC 24 VAC/VDC, 12VDC
- Combinations of independent long or short ON/OFF time settings are possible
- Fourteen time ranges from 0.05 s to 30 h or 1.2 s to 300 h
- Repeat cycle models with either ON start or OFF start operating functions
- Easy sequence checks through instantaneous outputs for a zero set value at any time range
- 11-pin and 8-pin models are available

Ordering Information

Part number					
	Repeat cycle OFF start	**H3CR-F**	**H3CR-F8**	**H3CR-F-300**	**H3CR-F8-300**
	Repeat cycle ON start	**H3CR-FN**	**H3CR-F8N**	**H3CR-FN-300**	**H3CR-F8N-300**
Timing units		0.05 s to 30 h		1.2 s to 300 h	
Terminal form		11-pin models	8-pin models	11-pin models	8-pin models
Supply voltages		100 to 240 VAC, 24 VAC/DC, 12 VDC			
Operating mode		Repeat cycle			

Note: Specify both the model number and supply voltage when ordering.
Example: H3CR-F 24 VAC/DC
└── Supply voltage

■ MODEL NUMBER LEGEND

H3CR - □ □ □ -□
1 2 3 4

1. Classification
F: Repeat cycle timers

2. Configuration
None: 11-pin socket
8: 8-pin socket

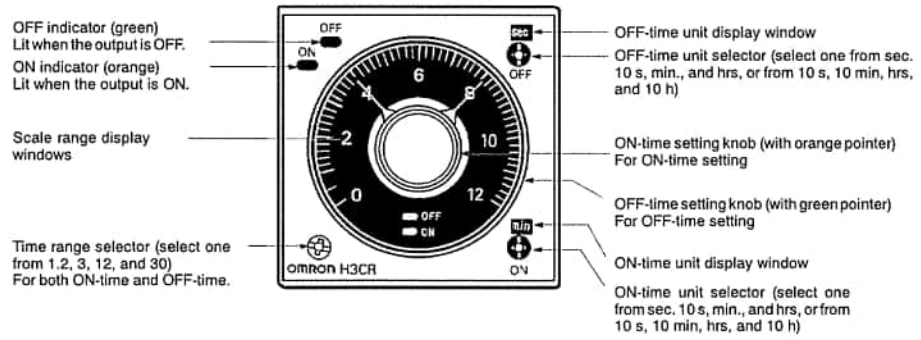
3. Repeat cycle mode
None: OFF start
N: ON start

4. Specified Type
300: Long time range (1.2 s to 300 h) type

■ ACCESSORIES

Description			Part number
Sockets	11-pin	Bottom surface or track mounting, top screw terminals	**P2CF-11**
		Bottom surface or track mounting, top screw terminals, finger-safe terminal conforms to VDE0106/P100	**P2CF-11-E**
		Back mounting, for use with Y92F-30 mounting adapter, bottom screw terminals	**P3GA-11**
	8-pin	Bottom surface or track mounting, top screw terminals	**P2CF-08**
		Bottom surface or track mounting, top screw terminals, finger-safe terminal conforms to VDE0106/P100	**P2CF-08-E**
		Back mounting, for use with Y92F-30 mounting adapter, bottom screw terminals	**P3G-08**
		Terminal cover for P3G sockets, conforms to VDE0106/P100	**Y92A-486**
Panel mounting adapter		Fits behind panel, ideal for side-by-side installation. Use P3G_-_ sockets	**Y92F-30**
		Panel-mounting adapter (88 mm x 58 mm x 66 mm)	**Y92F-73**
		Panel-mounting adapter (58 mm x 50 mm x 66 mm)	**Y92F-74**
Protective cover		Hard plastic cover protects against dust, dirt and water; not for use with panel covers	**Y92A-48B**
NEMA 4 cover		Waterproof front cover	**Y92A-48N**
Colored panel covers		Light gray (Munsell No. 5Y7/1) to match case	**Y92P-48GL**
		Medium gray (Munsell No. 5Y5/1)	**Y92P-48GM**
		Black (Munsell No. N1.5)	**Y92P-48GB**
Mounting track		DIN rail, 50 cm (1.64 ft) length; 7.3 mm thick	**PFP-50N**
		DIN rail, 1 m (3.28 ft) length; 7.3 mm thick	**PFP-100N**
		DIN rail, 1 m (3.28 ft) length; 16 mm thick	**PFP-100N2**
End plate			**PFP-M**
Spacer			**PFP-S**

■ RANGE SELECTION



0.05 s to 30 h Models

Time range	Time units			
	s (sec)	x 10 s (10 s)	min	h (hrs)
1.2	0.05 to 1.2	1.2 to 12	0.12 to 1.2	
3	0.3 to 3	3 to 30	0.3 to 3	
12	1.2 to 12	12 to 120	1.2 to 12	
30	3 to 30	30 to 300	3 to 30	

Note: Instantaneous output is available at any time range. To obtain instantaneous output, set to below 0.

1.2 s to 300 h Models

Time range	Time units			
	x 10 s (10 s)	x 10 min (10 min)	h (hrs)	x 10 h (10 h)
1.2	1.2 to 12	1.2 to 12	0.12 to 1.2	1.2 to 12
3	3 to 30	3 to 30	0.3 to 3	3 to 30
12	12 to 120	12 to 120	1.2 to 12	12 to 120
30	30 to 300	30 to 300	3 to 30	30 to 300

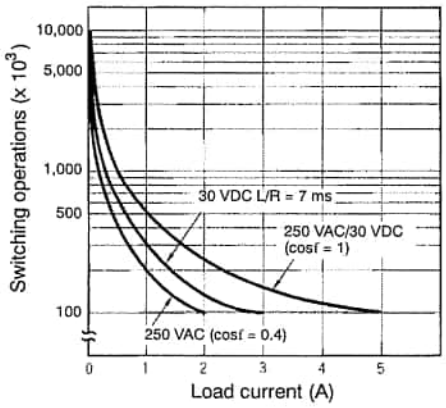
Note: Instantaneous output is available at any time range. To obtain instantaneous output, set to below 0.

Specifications

Part number		H3CR-F/-F-300	H3CR-F8/-F8-300	H3CR-FN/-FN-300	H3CR-F8N/-F8N-300
Operating mode		OFF start		ON start	
Supply voltage (see note)	AC	100 to 240 VAC (50/60 Hz)			
	AC/DC	24 VAC/DC (50/60 Hz)			
	DC	12 VDC			
Operating voltage range		85% to 110% of rated supply voltage, 90% to 110% with 12-VDC models			
Power consumption	AC	100 to 240 VAC: 10 VA (100 VAC applied)			
	AC/DC	24 VAC/DC: 2 VA (24 VAC applied)/1 W (24 VDC applied)			
	DC	12 VDC: 1 W			
Start, Reset, Gate inputs		ON-impedance: 1 kΩ max. ON residual voltage: 1 V max OFF impedance: 500 kΩ min.			
Control outputs	Type	DPDT relay			
	Max. load	5 A at 250 VAC, p.f. = 1			
	Min. load	10mA at 5 VDC			
Repeat accuracy		±0.3% full scale max. (±0.3% full scale max. ±10 ms in ranges of 1.2 and 3 s)			
Setting error		±5% full scale max ±0.05 s max.			
Resetting system		Time-limit operation/time-limit reset or self-reset			
Resetting time		Minimum power-opening time: 0.1 sec			
Indicators		Output ON indicator (orange LED), output OFF indicator (green LED)			
Materials		Plastic case (light gray Munsell 5Y7/1)			
Mounting		Panel, DIN track, or surface depending on socket selected			
Connections		11-pin round socket	8-pin round socket	11-pin round socket	8-pin round socket
Weight		Approx. 100 g (4.23 oz.)			
Approvals		UL, CSA, CE			
Ambient temperature	Operating	-10° to 55°C (14° to 131°F) with no icing			
	Storage	-25° to 65°C (-13° to 149°F) with no icing			
Humidity		35% to 85%			
Vibration	Mechanical durability	10 to 55 Hz with 0.75-mm single amplitude each in three directions			
	Malfunction durability	10 to 55 Hz with 0.5-mm single amplitude each in three directions			
Shock	Mechanical durability	980 m/s^2 (100G) each in three directions			
	Malfunction durability	98 m/s^2 (10G) each in three directions			
Variation due to voltage change		±0.5% full scale max. (±0.5% full scale max. ±10 ms in ranges of 1.2 and 3 s)			
Variation due to temperature change		±2% full scale max. (±2% full scale max. ±l0 ms in ranges of 1.2 and 3 s)			
Service life	Mechanical	20 million operations min. (under no load at 1,800 operations/h)			
	Electrical	100,000 operations min. (5 A at 250 VAC, resistive load at 1,800 operations/h)			
Insulation resistance		100 MΩ min. (at 500 VDC)			

Note: A power supply with a ripple of 20% max. (single-phase power supply with full-wave rectification) can be used with each DC model.

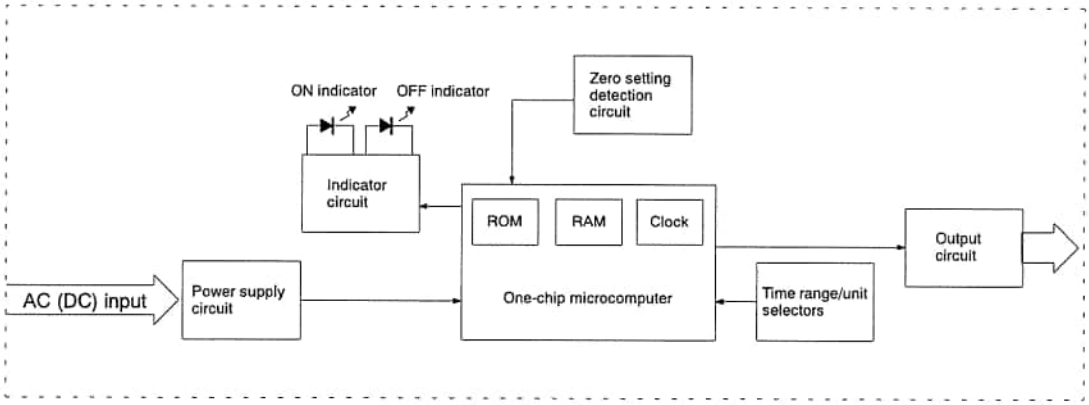
Engineering Data



Note: A maximum current of 0.15 A can be switched at 125 VDC (cosf = 1) and a maximum current of 0.1 A can be switched if L/R is 7 ms. In both cases, a life of 100,000 operations can be expected.
The minimum applicable load is 10 mA at 5 VDC (failure level: P).

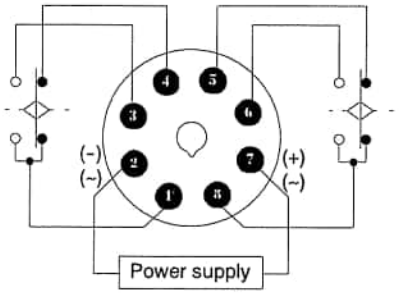
Operation

■ BLOCK DIAGRAMS

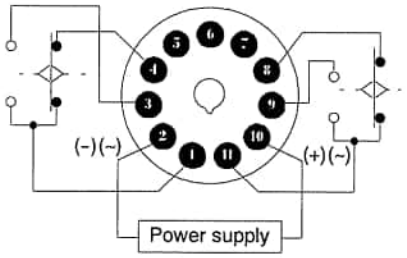


Timing Charts

H3CR-F8
H3CR-F8N
H3CR-F8-300
H3CR-F8N-300

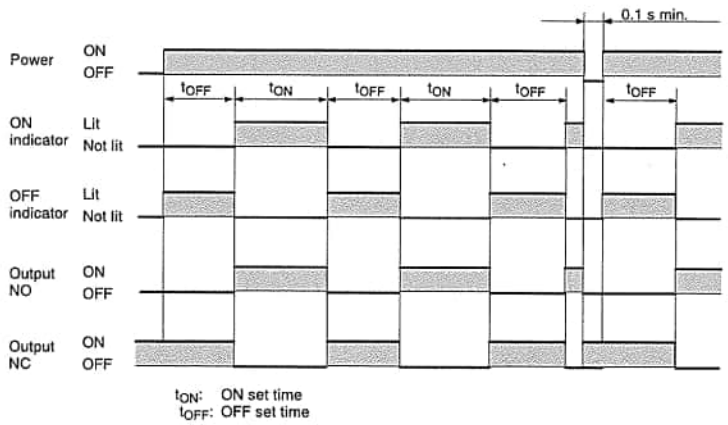
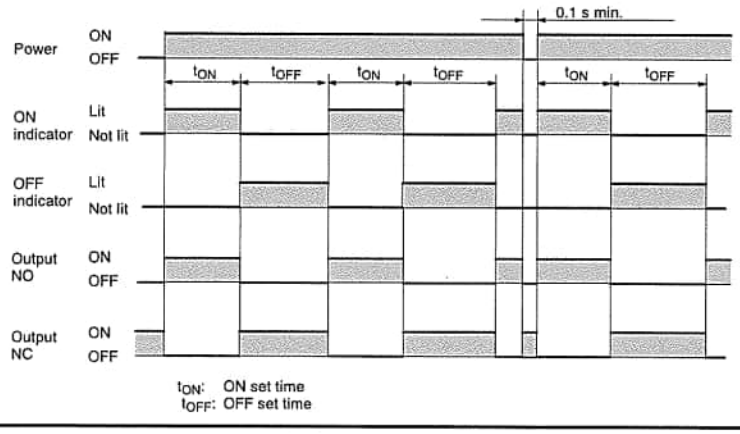


H3CR-F
H3CR-FN
H3CR-F-300
H3CR-FN-300



Note: Leave terminals 5, 6, and 7 open.
Do not use them as relay terminals.

Note: Part numbers with an "N" included are Repeat cycle ON start timers. All others are Repeat cycle OFF start timers.

Operating mode	Timing chart
Repeat cycle OFF start	
Repeat cycle ON start	

t_{ON}: ON set time
t_{OFF}: OFF set time

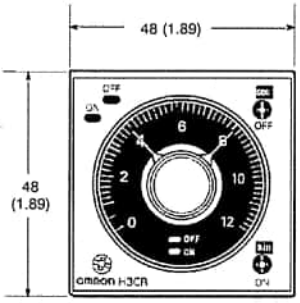
Dimensions

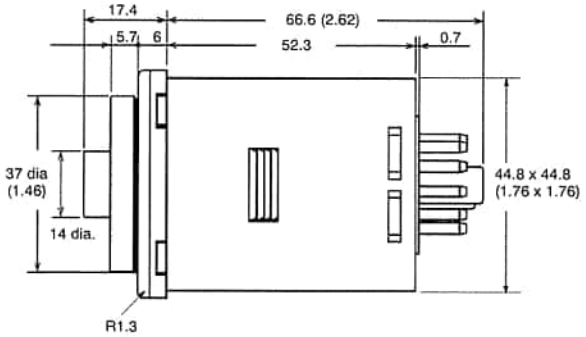
■ TIMERS

Unit: mm (inch)

H3CR-F
H3CR-FN
H3CR-F-300
H3CR-FN-300

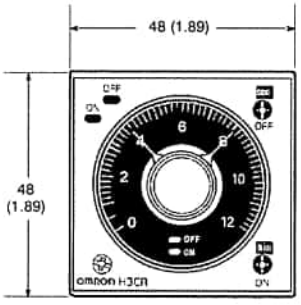


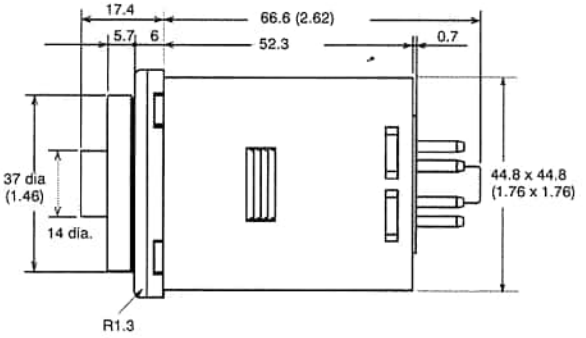




H3CR-F8
H3CR-F8N
H3CR-F8-300
H3CR-F8N-300



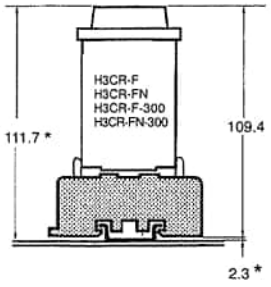




■ TRACK MOUNTING

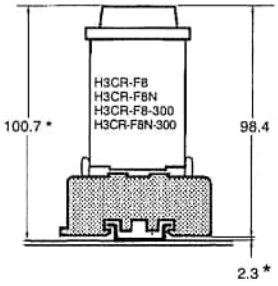
11-Pin Models

P2CF-11/P2CF-11-E



8-Pin Models

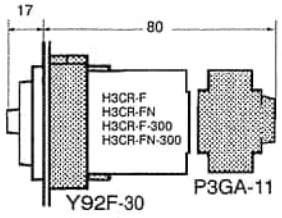
P2CF-08/P2CF-08-E



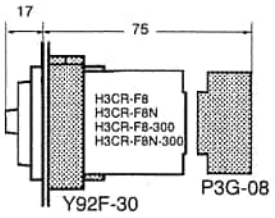
* These dimensions vary with the kind of DIN track (reference value).

■ PANEL MOUNTING

11-Pin Models



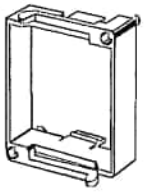
8-Pin Models

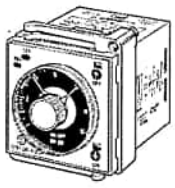


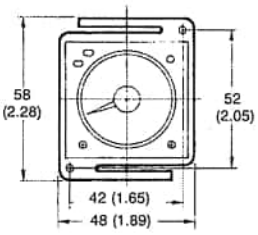
■ PANEL-MOUNTING ADAPTERS

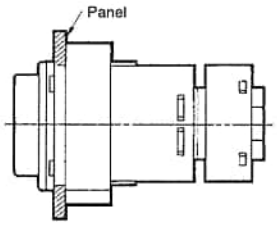
Unit: mm (inch)

Y92F-30

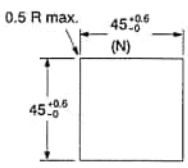








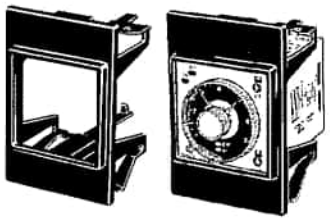
Panel Cutout

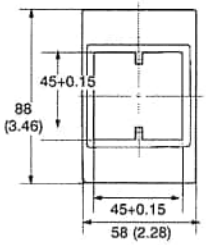


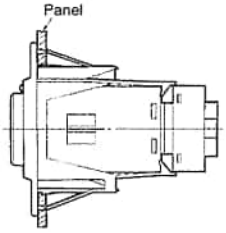
Note: Recommended panel thickness is 1 to 3.2 mm.

Note: Adapter installs behind the panel. It is ideal for side by side installation. Use P3G-11 or P3G-08 sockets.

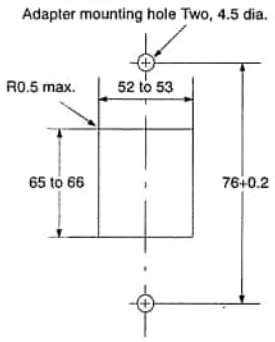
Y92F-73







Panel Cutout

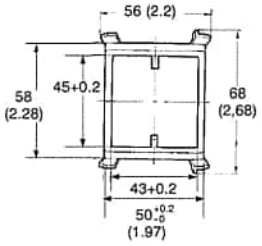


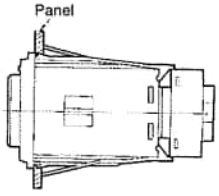
Note: The mounting panel thickness should be 1 to 3.2 mm.

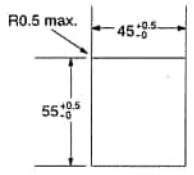
Y92F-74







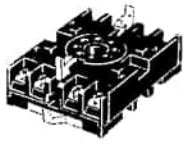


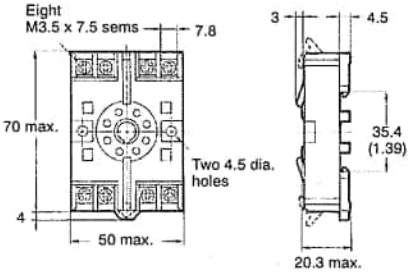


Note: The mounting panel thickness should be 1 to 3.2 mm.

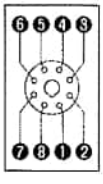
■ SOCKETS

Track-Mounting/Front-Connecting Socket
P2CF-08

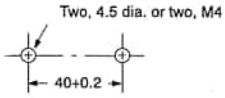




Terminal Arrangement/ Internal Connections (Top View)

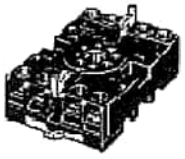


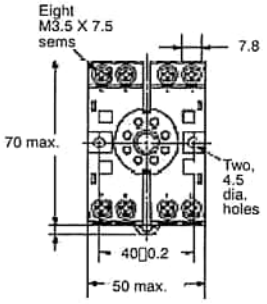
Surface Mounting Holes

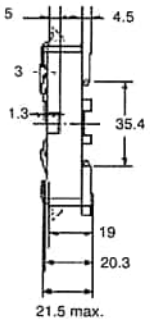


P2CF-08-E (Finger-Safe Terminal Type)

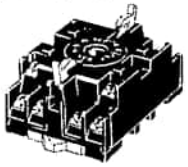
Conforming to VDE0106/P100

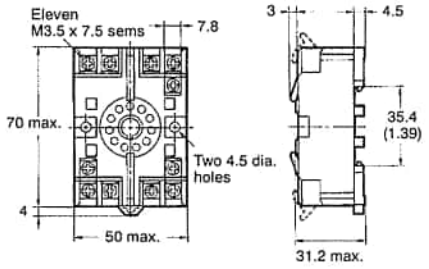


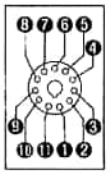


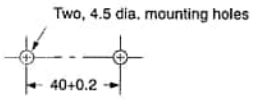


P2CF-11



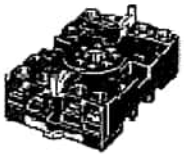


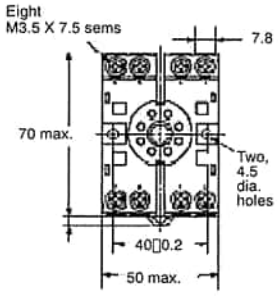


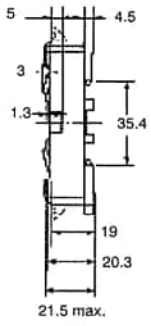


P2CF-08-E (Finger-Safe Terminal Type)

Conforming to VDE0106/P100

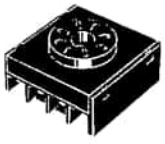


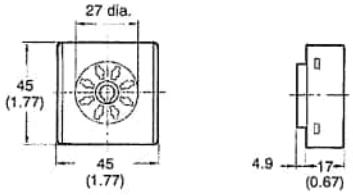




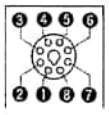
Back-Mounting Socket

P3G-08

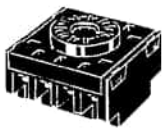


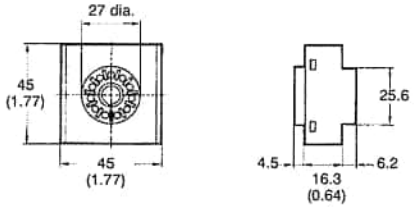


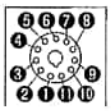
Terminal Arrangement/ Internal Connections (Bottom View)



P3GA-11



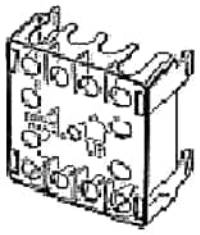


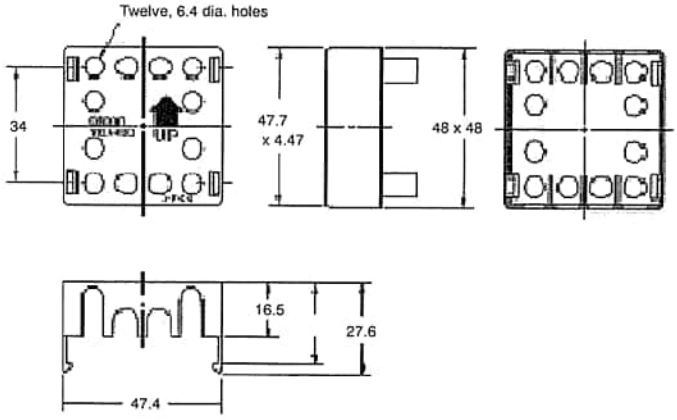


Finger-Safe Terminal Cover for P3G(A)

Conforming to VDE0106/P100

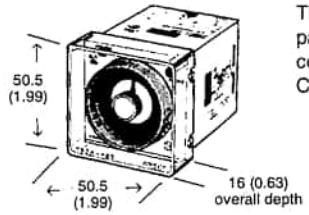
Y92A-48G





■ PROTECTIVE COVER

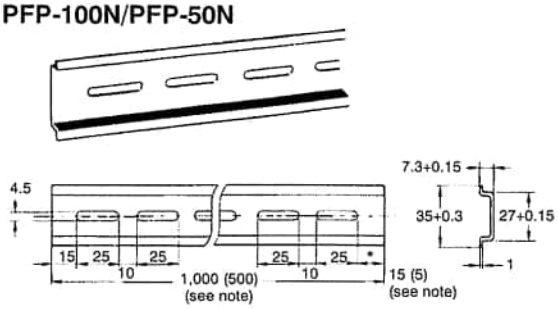
Y92A-48B



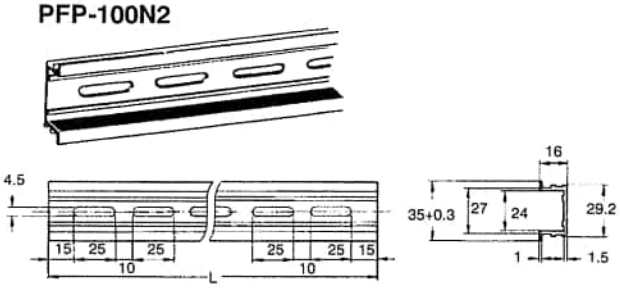
The hard plastic protective cover prevents accidental resetting. It also shields the front panel from dirt and water. The cover is intended for use in areas where unusual service conditions do not exist. The Y92A-48B cover cannot be used with the Y92P Panel Covers below.

■ MOUNTING TRACK AND ACCESSORIES

PFP-100N/PFP-50N

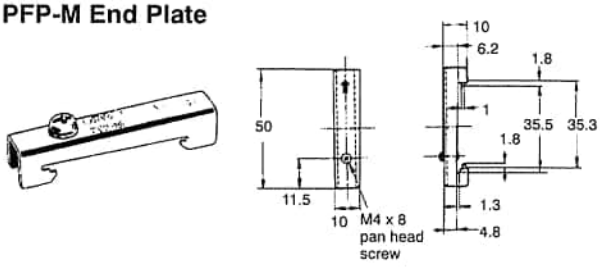


PFP-100N2

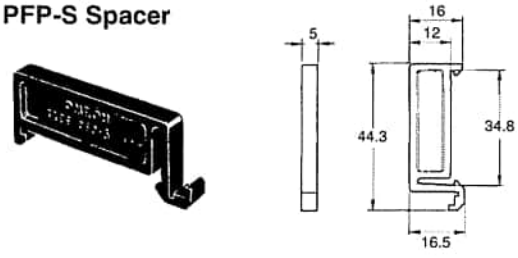


Note: The values shown in parentheses are for the PFP-50N.

PFP-M End Plate



PFP-S Spacer



Connections

Part number	Input terminal number		Power supply terminal numbers		Output terminal numbers		
	COM	Reset	AC (common), DC –	AC (hot), DC+	COM	NC	NO
H3CR-F8 H3CR-F8N H3CR-F8-300 H3CR-F8N-300	—	—	2	7	1 8	4 5	3 6
H3CR-F H3CR-FN H3CR-F-300 H3CR-FN-300	—	—	2	10	1 11	4 8	3 9

Installation

■ INPUT CONNECTIONS

The neutral or common of the power supply is connected to terminal 2. Terminal 7 of H3CR-F 8-pin terminals and terminal 10 of H3CR-F 11-pin terminals should be connected to the "hot" or positive of the power supply.

■ OUTPUT CONNECTIONS

Design your control circuit using the relay contacts to switch the load.

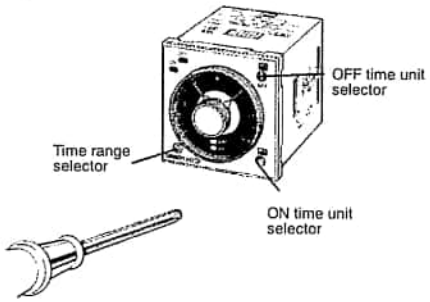
Note: Never switch a load with the contact that is being used as an input signal. The timer's circuitry may be damaged.

■ SELECTING TIME RANGES

A time range (0 to 1.2, 0 to 3, 0 to 12, or 0 to 30) is selected for ON- and OFF-time using the time range selector at the lower left corner of the front panel, and the selected time range appears within the plastic frame of the time setting knob (= scale range display windows).

For ON-time, the desired time unit (sec, 10 s, min, and hrs, or 10 s, 10 min, hrs, and 10 h) is indicated in the ON-time unit display window at the lower right corner of the front panel and can be changed by turning the ON-time unit selector located below the ON-time unit display window.

For OFF-time, the desired time unit (sec, 10 s, min, and hrs, or 10 s, 10 min, hrs, and 10 h) is indicated in the OFF-time unit display window at the upper right corner of the front panel and can be changed by turning the OFF-time unit selector located below the OFF-time unit display window.

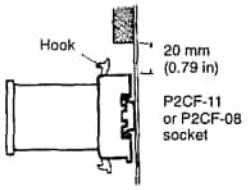


■ TRACK MOUNTING

Using P2CF-□□ Socket

Mounting

The P2CF-□□ socket has two hooks that secure the time to the socket. Be sure to allow at least 20 mm (0.79 in) clearance above and below the socket to gain access to release the hooks for servicing and maintenance. Then clip rear of the socket to the track. Push the bottom onto the track until the latch hooks securely.



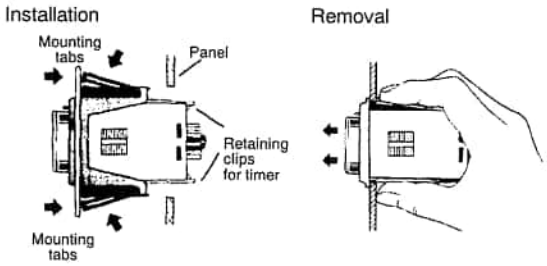
Removal

Pull the latch on the socket with a flat-blade screwdriver and remove the timer and socket as one unit.

Using Y92F-73 and Y92F-74 Adapters

Install the H3CR-H timer, face first, into the back side of the Y92F-73 or Y92F-74 adapter so the bezel fits snuggly. Be sure the retaining clips at the back of the adapter fit into the slots on either side of the timer. Compress the top and bottom tabs of the adapter then push the adapter through the front side of the panel cutout. Be sure the tabs extend after the installation for a secure fit.

To remove the timer from the adapter, unclip the two retaining clips at the back of the adapter. To remove the adapter and timer from the panel as a unit, compress the tabs behind the panel and push the unit out the front of the panel.



Precautions

To avoid malfunction or damage, do not change the time unit or time range while the timer is in operation. Be sure to turn off the power supply to the timer before changing any of the selections.

Operating Environment

Do not use the Timer in the following locations.

- Locations with radical temperature changes.
- Locations with high humidity that may result in condensation.
- Locations with excessive vibration or shock.
- Locations with corrosive gas or dust.
- Locations where the Timer is exposed to sprayed water, oil, or chemicals.

Organic solvents (such as paint thinner) as well as strong acid or alkali solutions will damage the outer casing of the Timer.

If the Timer is used in an area with excessive electrical noise, be sure to separate the Timer, wires, and input device as far as possible from the noise sources. Furthermore, it is recommended that the input signal wiring be shielded to prevent electrical interference.

■ PRECAUTIONS FOR EN (VDE) CONFORMANCE

The H3CR-A Series, installed as a built-in timer, conforms to EN61812-1 (VDE0435/P2021) provided that the following conditions are satisfied.

Make sure that no voltage is applied to any terminals before removing the Timer from the Socket.

The output section of the H3CR-A is provided only with basic isolation. Provide supplementary basic isolation on the load side connected to the output so that reinforced isolation required by the EN (VDE) standards will be ensured.

The H3CR-A Was Designed to Meet the Following Conditions

- Overvoltage category III
- Pollution degree 2
- Isolation

Operation parts: Reinforced isolation

- With clearance of 5.5 mm and creepage distance of 5.5 mm at 230 VAC

Output: Basic isolation (See Note.)

- With clearance of 3 mm and creepage distance of 3 mm at 230 VAC

Note: The 11-pin model ensures basic isolation by itself and also ensures basic isolation with the 11-pin model mounted to the OMRON P2CF-11 or P3GA-11 Socket.

Connect the two output contacts different in polarity to the loads, so that they will be the same in potential.

■ VOLTAGE WITHSTAND TEST

If the Timer is mounted to a control board, remove the Timer from the control board or short-circuit the control board circuitry before carrying out a voltage withstand test between the electric circuitry and non-charged metal part of the Timer. This protects the internal circuitry of the Timer from damage.

NOTE: DIMENSIONS SHOWN ARE IN MILLIMETERS. To convert millimeters to inches divide by 25.4.

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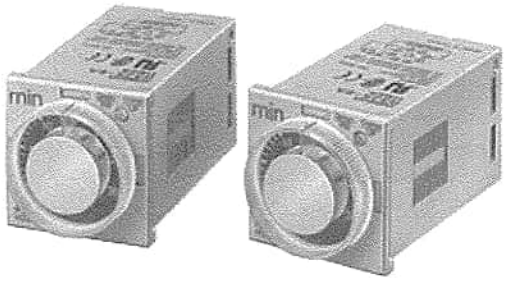
Cat. No. GC TMCN1 3/02 Specifications subject to change without notice. Printed in U.S.A.

OMRON

Solid-state Timer
H3JA

Economical, Compact, Plug-in Timer

- Time limit, ON-delay, operation with automatic resetting.
- DIN size (36 x 36 mm), fits standard 8-pin sockets.
- Wide choice of supply voltages:
  24, 100 to 120, 200 to 240 VAC, 12, 24 VDC.
- Dual LED indication for power and output status.
- Large transparent setting knob.
- Setting error rating almost matches that of a 48 x 48 timer.
- Conforms to UL and CSA, and meets CE marking requirements.



Ordering Information

Stock Note: Shaded models are normally stocked.

Operation/resetting system	Time-limit contact	Mounting method	Rated time	Model
Time-limit operation/ self-resetting	SPDT	Surface mounting, flush mounting, and DIN track mounting	1 s, 3 s, 5 s, 10 s, 30 s, 60 s, 3 min, 5 min, 10 min, 30 min, 60 min, 3 hrs	**H3JA-8A**
	DPDT		1 s, 3 s, 5 s, 10 s, 30 s, 60 s, 3 min, 5 min, 10 min, 30 min, 60 min, 3 hrs	**H3JA-8C**

Note: Specify the model number, supply voltage, and rated time when ordering.

Ex. H3JA-8A 100 to 120 VAC 1 s
- 1 s — Rated time
- 100 to 120 VAC — Supply voltage

■ Accessories (Order Separately)

Stock Note: Shaded models are normally stocked.

Name/specifications		Model
Flush mounting adapter		**Y92F-31**
Mounting track	50 cm (ℓ) x 7.3 mm (t)	**PFP-50N**
	1 m (ℓ) x 7.3 mm (t)	**PFP-100N**
	1 m (ℓ) x 16 mm (t)	**PFP-100N2**
End plate		**PFP-M**
Spacer		**PFP-S**
Track mounting/ Front connecting socket	8-pin	**PF085A**
Back connecting socket	8-pin	**P3G-08**
	8-pin, finger safe type	**P3G-08 with Y92A-48G (see note 1)**
Hold-down clip (see note 2)	For PF085A Socket	**Y92H-6**

Note: 1. Y92A-48G is a finger safe terminal cover which is attached to the P3G-08 Socket.
2. Hold-down Clips are sold in sets of two.

Specifications

■ Time Ranges

Rated time	Time range	Rated time	Time range
1 s	0.1 to 1 s	3 min	0.3 to 3 min
3 s	0.3 to 3 s	5 min	0.5 to 5 min
5 s	0.5 to 5 s	10 min	1 to 10 min
10 s	1 to 10 s	30 min	3 to 30 min
30 s	3 to 30 s	60 min	6 to 60 min
60 s	6 to 60 s	3 hrs	0.3 to 3 hrs

■ Ratings

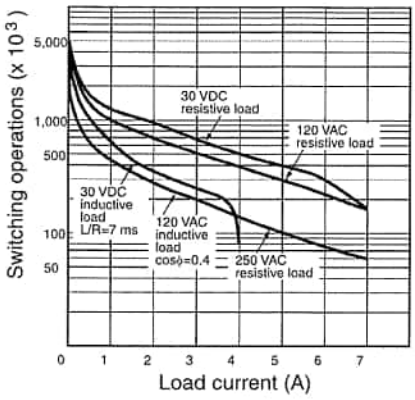
Rated supply voltage	24, 100 to 120 or 200 to 240 VAC (50/60 Hz); 24 VDC; 12 VDC (only available on H3JA-8A model)
Operating voltage range	85% to 110% of rated supply voltage
Power consumption	H3JA-8A 100 to 120 VAC: Approx. 3 VA (1.3 W) at 120 VAC 200 to 240 VAC: Approx. 5 VA (1.5 W) at 240 VAC 24 VAC: Approx. 1.2 VA (0.9 W) at 24 VAC 24 VDC: Approx. 0.8 W at 24 VDC H3JA-8C 100 to 120 VAC: Approx. 3 VA (1.1 W) at 120 VAC 200 to 240 VAC: Approx. 5 VA (1.3 W) at 240 VAC 24 VAC: Approx. 1.3 VA (1 W) at 24 VAC 24 VDC: Approx. 0.9 W at 24 VDC
Control outputs	H3JA-8A: 7 A at 250 VAC, resistive load H3JA-8C: 5 A at 250 VAC, resistive load

■ Characteristics

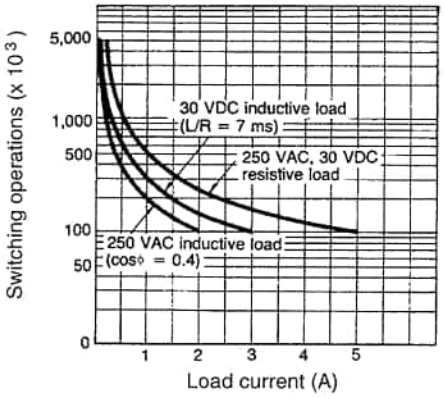
Accuracy of operating time	±2% max.
Setting error	±7% max.
Influence of voltage	±2% max.
Influence of temperature	±5% max.
Insulation resistance	100 MΩ min. (at 500 VDC)
Dielectric strength	2,000 VAC, 50/60 Hz for 1 min (between current-carrying and non-current-carrying parts, and between contact-carrying and control circuit, and between contacts of different poles) 1,000 VAC, 50/60 Hz for 1 min (between non-continuous contacts)
Impulse withstand voltage	3 kV (between power terminals) 4.5 kV (between current-carrying terminal and exposed non-current-carrying metal parts)
Noise immunity	±1.5 kV (between power terminals) and ±1.5 kV (between output terminals), square-wave noise by noise simulator (pulse width: 100 ns/1 μs, 1-ns rise)
Static immunity	Destruction: 8 kV Malfunction: 6 kV
Vibration resistance	Destruction: 10 to 55 Hz with 0.75-mm double amplitude in 3 directions for 1 hour each. Malfunction: 10 to 55 Hz with 0.5-mm double amplitude in 3 directions for 10 minutes each.
Shock resistance	Destruction: 1,000 m/s^2 Malfunction: 100 m/s^2
Ambient temperature	Operating: –10°C to 55°C Storage: –25°C to 65°C
Ambient humidity	Operating: 35% to 85%
Life expectancy	H3JA-8A Mechanical: 10,000,000 operations min. Electrical: 60,000 operations min. (7 A resistive load at 250 VAC, 360 operations/h) H3JA-8C Mechanical: 10,000,000 operations min. Electrical: 100,000 operations min. (5 A resistive load at 250 VAC, 360 operations/h)
EMC	(EMI) Emission Enclosure: EN55011 Group 1 class A Emission AC Mains: EN55011 Group 1 class A (EMS) Immunity ESD: EN61000-4-2: 6 kV contact discharge (level 3) 8 kV air discharge (level 3) Immunity RF-interference from AM Radio Waves: EN61000-4-3: 10 V/m (80 MHz to 1 GHz) (level 3) Immunity Burst: EN61000-4-4: 2 kV power port and output port (level 3) 1 kV control port with capacitive clamp (level 3) Immunity Surge: EN61000-4-5: 2 kV common mode (level 3) 1 kV differential mode (level 3)
Approved standard	UL508, CSA C22.2 No. 14, conforms to EN61812-1
Case color	Light gray (Munsell 5Y7/1)
Degree of protection	IP40 (panel surface)
Weight	H3JA-8A: Approx. 50 g H3JA-8C: Approx. 60 g

Engineering Data

■ H3JA-8A



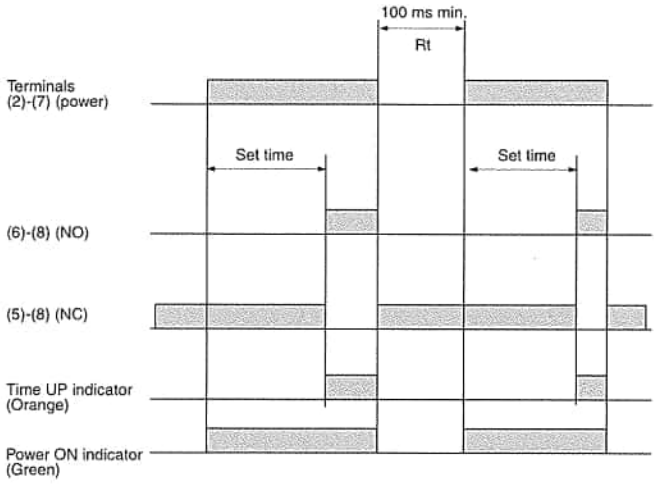
■ H3JA-8C



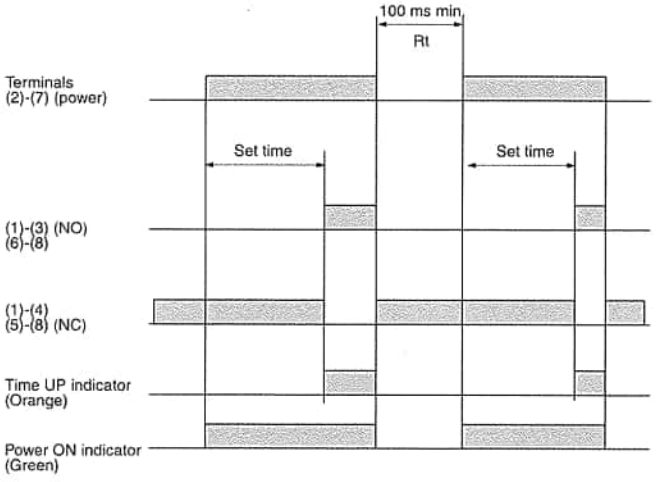
Operation

■ Timing Chart

H3JA-8A



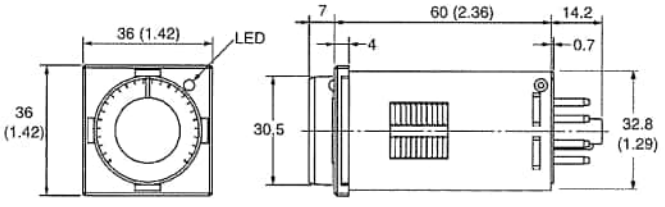
H3JA-8C



Dimensions

Unit: mm (inch)



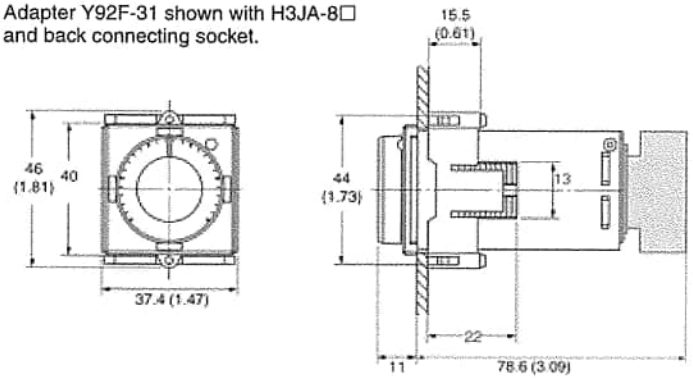


■ Accessories (Order Separately

Flush Mounting Adapter

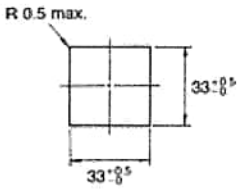
Y92F-31

Adapter Y92F-31 shown with H3JA-8□ and back connecting socket.



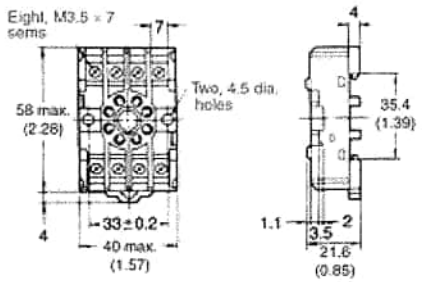
Panel Cutout

Recommended panel thickness: 1 to 5 mm

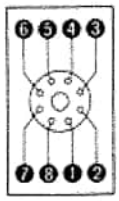


Track Mounting/Front Connecting Socket

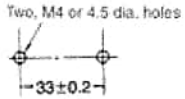
PF085A



Terminal Arrangement (Top View)

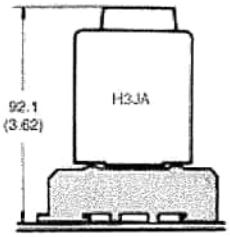


Mounting Holes



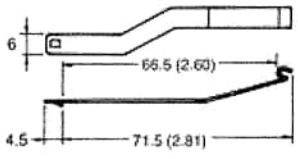
Note: PF085A can be used as a front connecting socket.

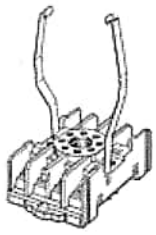
Mounting Height of Timer with Socket



Hold-down Clips (Set of Two Clips)

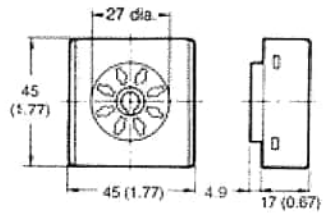
Y92H-6 for PF085A



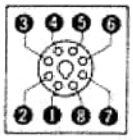


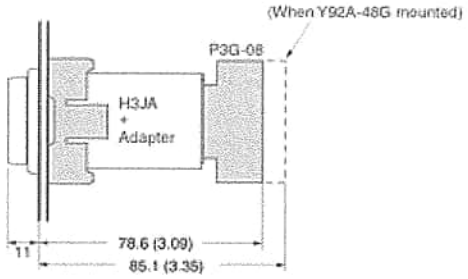
Back Connecting Socket

P3G-08



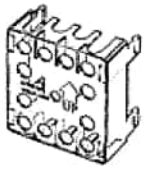
Terminal Arrangement (Bottom View)

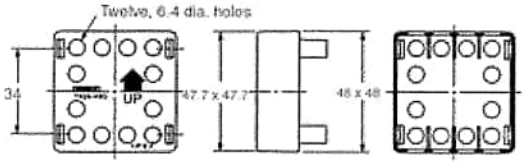


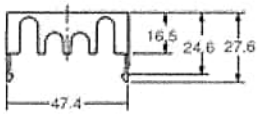


Finger Safe Terminal Cover Conforming to VDe0106/P100

Y92A-48G
(Attachments for P3G-08 Socket)

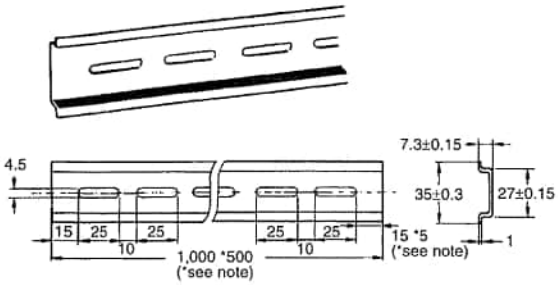




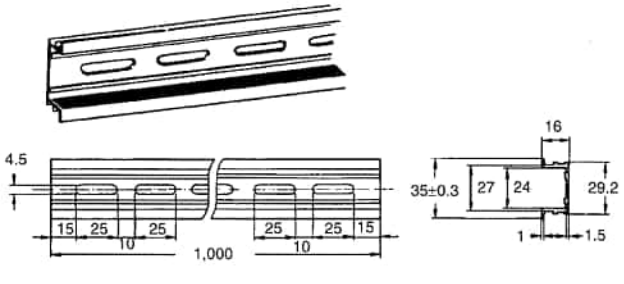


Mounting Track

PFP-100N, PFP-50N



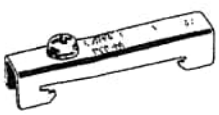
PFP-100N, PFP-50N

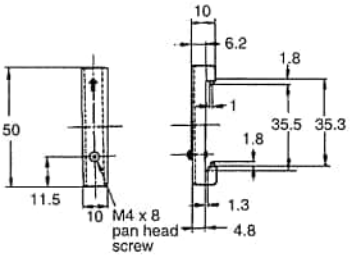


Note: The values shown with an asterisk are for the PFP-50N.

End Plate

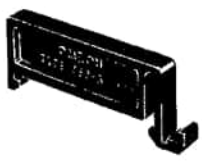
PFP-M

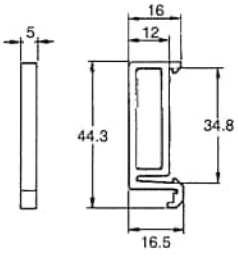




Spacer

PFP-S

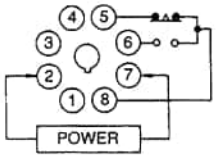




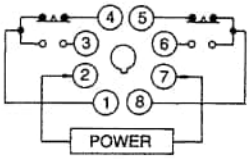
Installation

■ Terminal Arrangement

H3JA-8A



H3JA-8C



Certain Terms and Conditions of Sale

1. Offer; Acceptance. These terms and conditions (these "Terms") are deemed part of all catalogs, manuals or other documents, whether electronic or in writing, relating to the sale of goods or services (collectively, the "Goods") by Omron Electronics LLC and its subsidiary companies ("Seller"). Seller hereby objects to any terms or conditions proposed in Buyer's purchase order or other documents which are inconsistent with, or in addition to, these Terms. Please contact your Omron representative to confirm any additional terms for sales from your Omron company.
2. Prices. All prices stated are current, subject to change without notice by Seller. Buyer agrees to pay the price in effect at time of shipment.
3. Discounts. Cash discounts, if any, will apply only on the net amount of invoices sent to Buyer after deducting transportation charges, taxes and duties, and will be allowed only if (i) the invoice is paid according to Seller's payment terms and (ii) Buyer has no past due amounts owing to Seller.
4. Orders. Seller will accept no order less than $200 net billing.
5. Governmental Approvals. Buyer shall be responsible for, and shall bear all costs involved in, obtaining any government approvals required for the importation or sale of the Goods.
6. Taxes. All taxes, duties and other governmental charges (other than general real property and income taxes), including any interest or penalties thereon, imposed directly or indirectly on Seller or required to be collected directly or indirectly by Seller for the manufacture, production, sale, delivery, importation, consumption or use of the Goods sold hereunder (including customs duties and sales, excise, use, turnover and license taxes) shall be charged to and remitted by Buyer to Seller.
7. Financial. If the financial position of Buyer at any time becomes unsatisfactory to Seller, Seller reserves the right to stop shipments or require satisfactory security or payment in advance. If Buyer fails to make payment or otherwise comply with these Terms or any related agreement, Seller may (without liability and in addition to other remedies) cancel any unshipped portion of Goods sold hereunder and stop any Goods in transit until Buyer pays all amounts, including amounts payable hereunder, whether or not then due, which are owing to it by Buyer. Buyer shall in any event remain liable for all unpaid accounts.
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9. Force Majeure. Seller shall not be liable for any delay or failure in delivery resulting from causes beyond its control, including earthquakes, fires, floods, strikes or other labor disputes, shortage of labor or materials, accidents to machinery, acts of sabotage, riots, delay in or lack of transportation or the requirements of any government authority.
10. Shipping; Delivery. Unless otherwise expressly agreed in writing by Seller:
    a. Shipments shall be by a carrier selected by Seller;
    b. Such carrier shall act as the agent of Buyer and delivery to such carrier shall constitute delivery to Buyer;
    c. All sales and shipments of Goods shall be FOB shipping point (unless otherwise stated in writing by Seller), at which point title to and all risk of loss of the Goods shall pass from Seller to Buyer, provided that Seller shall retain a security interest in the Goods until the full purchase price is paid by Buyer;
    d. Delivery and shipping dates are estimates only.
    e. Seller will package Goods as it deems proper for protection against normal handling and extra charges apply to special conditions.
11. Claims. Any claim by Buyer against Seller for shortage or damage to the Goods occurring before delivery to the carrier must be presented in writing to Seller within 30 days of receipt of shipment and include the original transportation bill signed by the carrier noting that the carrier received the Goods from Seller in the condition claimed.
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13. Damage Limits; Etc. SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES, LOSS OF PROFITS OR PRODUCTION OR COMMERCIAL LOSS IN ANY WAY CONNECTED WITH THE GOODS, WHETHER SUCH CLAIM IS BASED IN CONTRACT, WARRANTY, NEGLIGENCE OR STRICT LIABILITY. Further, in no event shall liability of Seller exceed the individual price of the Good on which liability is asserted.
14. Indemnities. Buyer shall indemnify and hold harmless Seller, its affiliates and its employees from and against all liabilities, losses, claims, costs and expenses (including attorney's fees and expenses) related to any claim, investigation, litigation or proceeding (whether or not Seller is a party) which arises or is alleged to arise from Buyer's acts or omissions under these Terms or in any way with respect to the Goods. Without limiting the foregoing, Buyer (at its own expense) shall indemnify and hold harmless Seller and defend or settle any action brought against Seller to the extent that it is based on a claim that any Good made to Buyer specifications infringed intellectual property rights of another party.
15. Property; Confidentiality. The intellectual property embodied in the Goods is the exclusive property of Seller and its affiliates and Buyer shall not attempt to duplicate it in any way without the written permission of Seller. Notwithstanding any charges to Buyer for engineering or tooling, all engineering and tooling shall remain the exclusive property of Seller. All information and materials supplied by Seller to Buyer relating to the Goods are confidential and proprietary, and Buyer shall limit distribution thereof to its trusted employees and strictly prevent disclosure to any third party.
16. Miscellaneous. (a) Waiver. No failure or delay by Seller in exercising any right and no course of dealing between Buyer and Seller shall operate as a waiver of rights by Seller. (b) Assignment. Buyer may not assign its rights hereunder without Seller's written consent. (c) Amendment. These Terms constitute the entire agreement between Buyer and Seller relating to the Goods, and no provision may be changed or waived unless in writing signed by the parties. (d) Severability. If any provision hereof is rendered ineffective or invalid, such provision shall not invalidate any other provision. (e) Setoff. Buyer shall have no right to set off any amounts against the amount owing in respect of this invoice. (f) As used herein, "including" means "including without limitation".

Certain Precautions on Specifications and Use

1. Suitability of Use. Seller shall not be responsible for conformity with any standards, codes or regulations which apply to the combination of the Good in the Buyer's application or use of the Good. At Buyer's request, Seller will provide applicable third party certification documents identifying ratings and limitations of use which apply to the Good. This information by itself is not sufficient for a complete determination of the suitability of the Good in combination with the end product, machine, system, or other application or use. The following are some examples of applications for which particular attention must be given. This is not intended to be an exhaustive list of all possible uses of this Good, nor is it intended to imply that the uses listed may be suitable for this Good:
   (i) Outdoor use, uses involving potential chemical contamination or electrical interference, or conditions or uses not described in this document.
   (ii) Energy control systems, combustion systems, railroad systems, aviation systems, medical equipment, amusement machines, vehicles, safety equipment, and installations subject to separate industry or government regulations.
   (iii) Systems, machines and equipment that could present a risk to life or property. Please know and observe all prohibitions of use applicable to this Good.

   NEVER USE THE PRODUCT FOR AN APPLICATION INVOLVING SERIOUS RISK TO LIFE OR PROPERTY WITHOUT ENSURING THAT THE SYSTEM AS A WHOLE HAS BEEN DESIGNED TO ADDRESS THE RISKS, AND THAT THE SELLER'S PRODUCT IS PROPERLY RATED AND INSTALLED FOR THE INTENDED USE WITHIN THE OVERALL EQUIPMENT OR SYSTEM.
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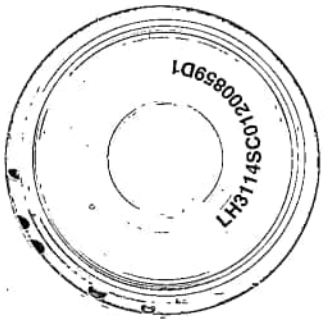
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Second Quarter Groundwater Monitoring Report
Former Southside Facility #27235
MDE Case # 2011-0065-AA



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VIA US MAIL

October 25, 2019



Ms. Susan Bull
Oil Control Program
Maryland Department of the Environment
1800 Washington Boulevard
Baltimore, MD 21230

SUBJECT: THIRD QUARTER 2019 REMEDIAL ACTION PROGRESS REPORT
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Anne Arundel County, Maryland
MDE Case No. 2011-0655-AA

Dear Ms. Bull:

Please find attached the Third Quarter 2019 Remedial Action Progress Report (RAPR) for the above referenced site. The RAPR includes an analysis of the dissolved phase hydrocarbon data in comparison with the Corrective Action Plan remediation endpoints. In June 2019, Kleinfelder, on behalf of Southside Oil, submitted the First Quarter 2019 Remedial Progress Report and Request for Case Closure which included an evaluation of current subsurface conditions, achievement of the CAP endpoints and the seven risk factors of the MEAT document following one year of post remediation groundwater monitoring.

The results of the evaluation are consistent with Third Quarter 2019 results which indicate that further assessment, monitoring, or remediation at the Site is not considered warranted, and closure of MDE Case No. 2011-065-AA is recommended.

Southside and Kleinfelder appreciate the continued guidance of the MDE in the successful completion of this project. Please contact us at 410.850.0404 if you have questions or would like to schedule a time to discuss the post-remediation monitoring plan and sampling schedule modification requests.

Sincerely,

KLEINFELDER

Brianne Witman, PE
Engineer

Mark C. Steele
Senior Program Manager

Enclosure

cc: Ms. Rhonda Giovannitti – Sunoco, Inc (ENFOS)
Mr. Naushad Ali Akhund – electronic (japanplusadmin@gmail.com)

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THIRD QUARTER 2019
REMEDIAL ACTION PROGRESS REPORT

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Anne Arundel County, Maryland

REGULATORY INFORMATION

Regulatory Agency:	Maryland Department of the Environment (MDE)
MDE Case No.:	2011-0655-AA
Agency Contact:	Ms. Susan Bull
Current Case Status:	Corrective Action Plan Implementation
Reporting Period:	July 1, 2019 through September 30, 2019
Last Report:	Second Quarter 2019 Remedial Action Progress Report, July 2019

GENERAL SITE INFORMATION

Southside Oil Contact:	Ms. Rhonda Giovannitti
Consultant Contact:	Mr. Mark C. Steele
Facility Status:	Active branded Exxon retail service station. Ownership and operation of UST system was transferred from Exxon Mobil Corporation (ExxonMobil) to Southside Oil, LLC (Southside) on June 21, 2010. On September 22, 2010, Southside sold the Site including ownership and operation of the UST system to the station dealer, Mr. Naushad Ali Akhund.
Area Property Use:	See Local Area Map (**Figure 1**)
Deep Monitoring Wells:	MW-1, MW-2, MW-7, and MW-10
Shallow Monitoring Wells:	MW-3 through MW-6, MW-8, and MW-9
Groundwater Flow Direction:	Northeast to East (shallow), and Northeast to East (deep)

ACTIVITIES COMPLETED THIS PERIOD

September 4, 2019 – Groundwater Gauging and Sampling

Wells Gauged and Sampled:	MW-1 through MW-8 and MW-10
Wells Gauged Only:	MW-9, TF-NW, and TF-SE
Liquid Phase Hydrocarbon:	None detected

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Shallow Wells Minimum/ Maximum Depth to Water:	9.25 feet (MW-5) / 17.03 feet (MW-9)
Hydraulic Gradient (shallow):	0.060 feet/foot between MW-5 and MW-9
Deep Wells Minimum/Maximum Depth to Water:	45.81 feet (MW-1) / 52.74 feet (MW-10)
Hydraulic Gradient (deep):	0.001 feet/foot between MW-7 and MW-2
Groundwater Flow Direction:	East (shallow), East (deep)

The monitoring and tank field wells were gauged with an electronic interface probe (EIP) and liquid phase hydrocarbon (LPH) was not detected. Groundwater samples were collected from the monitoring wells and submitted to Lancaster Laboratories for analysis of full list volatile organic compounds (VOCs), fuel oxygenates, and ethanol using Environmental Protection Agency (EPA) Method 8260B, total petroleum hydrocarbons – gasoline range organics (TPH-GRO) and total petroleum hydrocarbons – diesel range organics (TPH-DRO) using EPA Method 8015B. Insufficient water column was present in monitoring well MW-9; therefore, the well was not sampled during the reporting period. Monitoring well analytical data are summarized in **Table 1** and depicted on **Figures 2** and **3**. The Lancaster Analysis Report is attached as **Appendix A**.

POST-REMEDIATION DATA ANALYSIS

The site utilized a soil vapor extraction (SVE) system to extract vapor phase hydrocarbons from the unsaturated zone and the recovered vapors are treated by a catalytic oxidizer prior to discharge. The site also utilized an air sparge (AS) system to inject ambient air into the saturated zone to volatilize dissolved phase hydrocarbons for recovery by the SVE system and increase the dissolved oxygen levels in the saturated zone to aid in biodegradation of dissolved phase hydrocarbons. The SVE system was started on October 28, 2015, and the AS system was started on May 3, 2016. During the period October 28, 2015 to April 18, 2018, approximately 7,354 pounds of vapor phase hydrocarbons were recovered and treated. Per discussion with the MDE on April 18, 2018, the remediation systems remained off-line on April 16, 2018 to begin a six-month trial post-remediation monitoring period. SVE and AS system data is presented as **Table 2** and the remedial system layout is depicted in **Figure 4** for reference.

As stated in the approved CAP, the remediation endpoint of the SVE system is establishment of asymptotic vapor phase hydrocarbon recovery rates. Following initiation of air sparge operations at the site, concentrations of TPH (C4-C10) increased from pre-sparge concentrations, indicating the volatilization and recovery of saturated zone hydrocarbons. Since the maximum TPH (C4-C10) concentration was observed in June 2016, influent SVE concentrations have decreased over time. As shown in **Table 2**, hydrocarbon recovery rate was approximately 0.37 pounds per day in April 2018. The Influent TPH Concentration and TPH Recovery Rate graphs within **Table 2** demonstrate establishment of asymptotic recovery rates.

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The dissolved phase hydrocarbon endpoint as indicated in the Corrective Action Plan dated July 27, 2012 is the demonstration of stable to decreasing hydrocarbon concentrations. As shown on the concentration graphs within **Appendix B**, dissolved phase benzene concentrations in monitoring wells MW-3, MW-8 and MW-9 have decreased by 96%, 76% and 99%, respectively, from concentrations detected prior to system start up. Monitoring well MW-9 was not sampled this period due to insufficient water column. The Third Quarter 2019 groundwater analytical data indicates concentrations of chemicals of concern (COCs) in monitoring wells MW-3 and MW-8 continue to remain significantly below pre-remediation concentrations, and the dissolved phase endpoint is maintained.

In July 2018, the MDE requested additional detail regarding the post-remediation monitoring plan beyond the approved dissolved phase endpoint in the CAP. Kleinfelder, on behalf of Southside, proposed within the Third Quarter 2018 Remedial Action Progress Report dated November 7, 2018 that the rebound response in wells will be based on a normalization process and a response from the MDE to this proposal has not been received. In summary, this process uses the mean of the initial pre-remediation COC concentration (C_0) data set for a particular well, which when divided into a rebound concentration C, results in a number between 0 and 1. Using the C/C_0 concentration ratio allows direct comparison of rebound response between monitoring locations with different initial concentrations. Thus, at time 0, C/C_0 is 1.00, at which time the remediation system was activated. The initial concentration C_0 was calculated as the average concentration observed over the one-year period prior to remediation startup. Performing the normalization process on a particular well with C_0 as the one-year average of the pre-remediation contaminant concentrations and C as the post remediation COC concentration, the following three potential rebound responses are possible:

- Rapid Rebound, defined as the normalized COC concentration increasing to greater than or equal to 75 percent of the pre-remediation COC levels;
- Gradual Rebound, defined as the normalized COC concentration increasing to greater than or equal to 25 percent but less than 75 percent of the pre-remediation COC levels; and,
- Little-to-No Rebound, defined as the normalized COC concentration remaining less than 25 percent of the pre-remediation COC levels for the planned rebound test period.

The normalized benzene and BTEX concentrations in monitoring wells MW-3 and MW-8 were calculated by dividing the September 2019 benzene and BTEX concentrations (C) by the pre-remediation mean benzene and BTEX concentration (C_0). As noted, the pre-remediation concentration was calculated as the average concentration observed over the one-year period prior to remediation. The benzene C/C_0 ratios in monitoring wells MW-3 and MW-8 during the Third Quarter 2019 are 0.04 and 0.24; respectively. The BTEX C/C_0 ratios in monitoring wells MW-3 and MW-8 during the Third Quarter 2019 are 0.36 and 0.11; respectively. Rebound in monitoring well MW-9 was not assessed as insufficient water column was present in the Third Quarter 2019. Ratios indicate benzene concentrations in MW-3 in MW-8 and BTEX concentration

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in monitoring well MW-8 exhibit little to no rebound (defined by C/C_0 ratio < 0.25). The BTEX C/C_0 ratio of 0.36 in MW-3 indicates gradual rebound (defined by C/C_0 ratio > 0.25 and < 0.75), although current BTEX concentrations remain significantly below pre-remediation concentrations. Rapid rebound, which is defined by C/C_0 ratio > 0.75, is considered a condition that would trigger restart of the remediation and these conditions have not been observed during post-remediation monitoring commencing in April 2018. Consistent with the *First Quarter 2019 Remedial Action Progress Report and Request for Case Closure*, the dissolved phase endpoint is maintained.

On June 17, 2019, Kleinfelder, on behalf of Southside, submitted the *First Quarter 2019 Remedial Action Progress Report and Request for Case Closure.* Included in the report was an evaluation of current subsurface conditions, achievement of the CAP endpoints and the seven risk factors of the MEAT document following one year of post remediation groundwater monitoring. The results of the evaluation indicated that further assessment, monitoring, or remediation at the Site is not considered warranted and recommended closure of MDE Case No. 2011-065-AA.

ACTIVITIES PLANNED FOR NEXT PERIOD (FOURTH QUARTER 2019)

Pending MDE approval of case closure, one groundwater sampling event will be completed in December 2019. In correspondence dated September 12, 2019, the MDE requested additional information regarding potable wells located within 500 feet of the Site, and a response will be provided following evaluation of well records.

LIMITATIONS

This work was performed in a manner consistent with that level of care and skill ordinarily exercised by other members of Kleinfelder's profession practicing in the same locality, under similar conditions and at the date the services are provided. Our conclusions, opinions and recommendations are based on a limited number of observations and data. It is possible that conditions could vary between or beyond the data evaluated. Kleinfelder makes no other representation, guarantee or warranty, express or implied, regarding the services, communication (oral or written), report, opinion, or instrument of service provided.

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FIGURES

1 Local Area Map
2 Hydrocarbon Distribution/Groundwater Contour Map – Shallow (September 4, 2019)
3 Hydrocarbon Distribution/Groundwater Contour Map – Deep (September 4, 2019)
4 Remedial System Trenching and Piping Layout

TABLES

1 Groundwater Monitoring & Analytical Data
2 Remediation System Monitoring & Performance: Soil Vapor

APPENDICES

A Lancaster Analysis Report – Groundwater
B Concentration Graphs

Sincerely,

KLEINFELDER

Brianne Witman, PE
Engineer

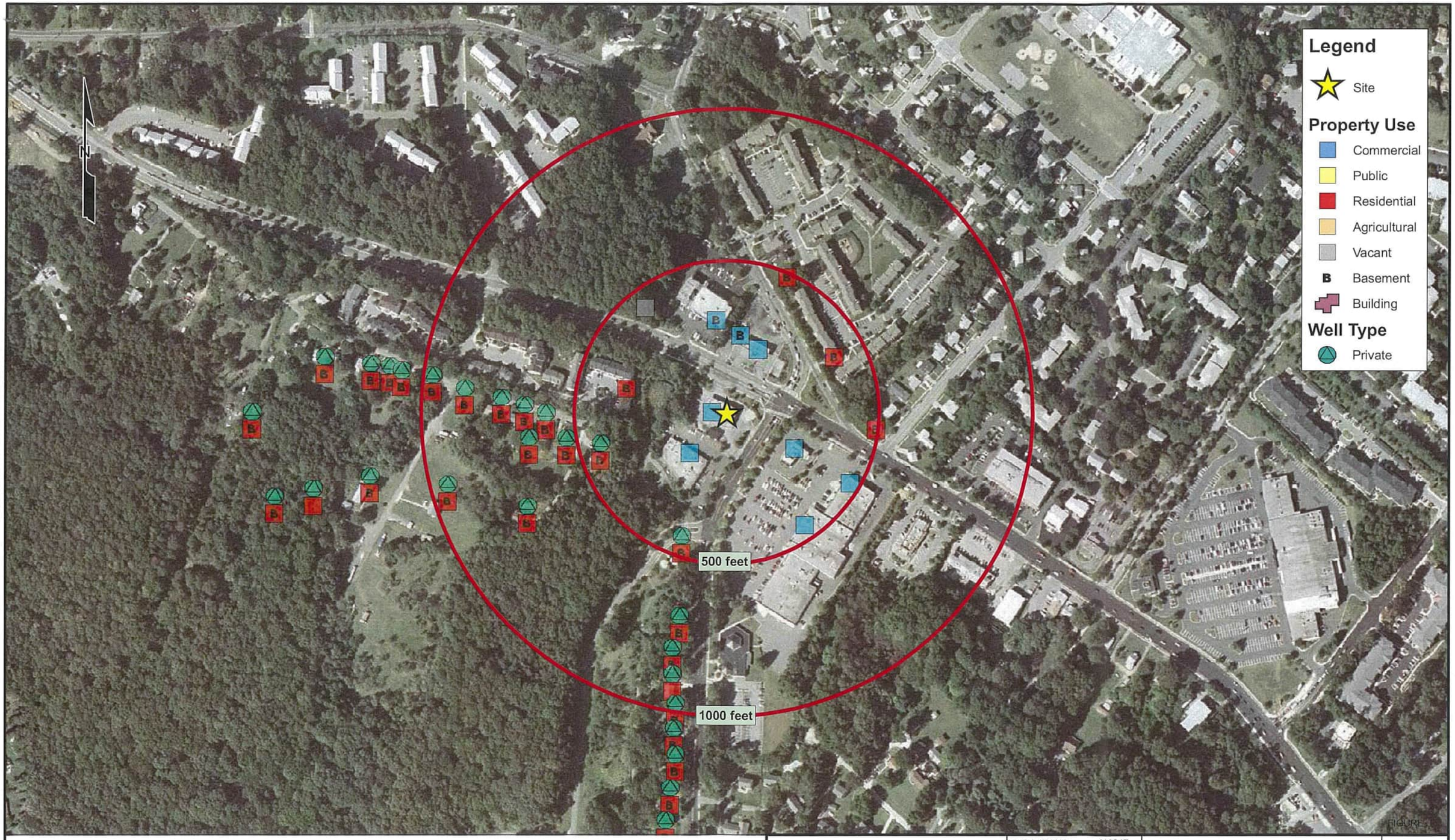
Mark C. Steele
Senior Program Manager

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FIGURES



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LOCAL AREA MAP

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

1



Legend

- Monitoring Well (Shallow)
- Monitoring Well (Deep)
- Tankfield Well
- Groundwater Contour (feet) Contour Interval = 2.0 ft Dashed here inferred.
- Groundwater Flow Direction

Well ID
GROUNDWATER ELEV. (feet)
BENZENE (µg/L)
TOLUENE (µg/L)
ETHYLBENZENE (µg/L)
TOTAL XYLENES (µg/L)
METHYL TERTIARY BUTYL ETHER (µg/L)
TERT-BUTYL ALCOHOL (µg/L)
TERTIARY AMYL METHYL ETHER (µg/L)
ETHYL TERTIARY BUTYL ETHER (µg/L)
DI-ISOPROPYL ETHER (µg/L)
NAPHTHALENE (µg/L)
TPH-DRO (mg/L)
TPH-GRO (mg/L)
ETHANOL (µg/L)

µg/L = micrograms per Liter
mg/L = milligrams per Liter
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ND= Not Detected (Laboratory Reporting Limit)
NS = Not Sampled

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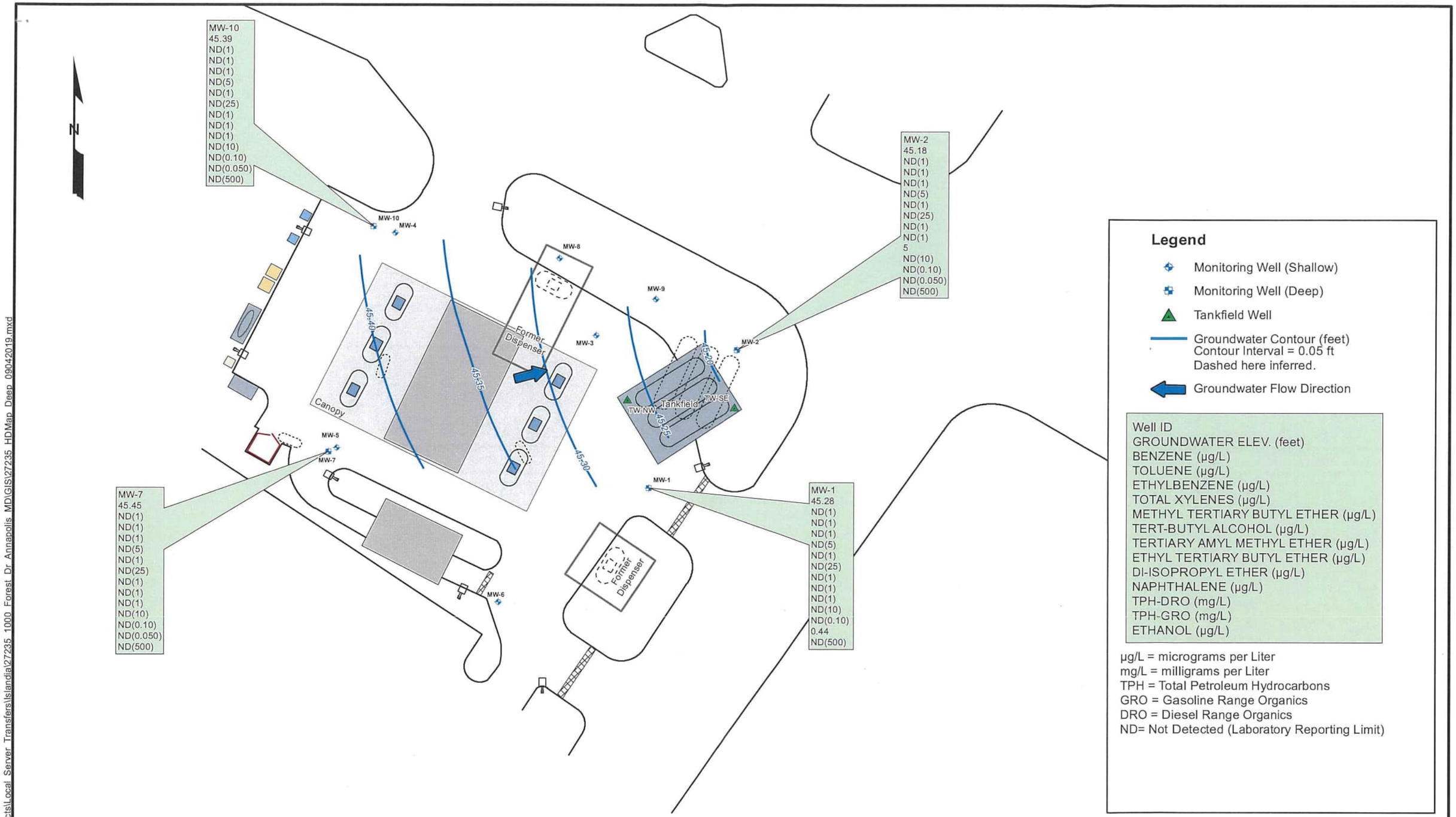
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HYDROCARBON DISTRIBUTION/ GROUNDWATER CONTOUR MAP SEPTEMBER 4, 2019 (SHALLOW)

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
2

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µg/L = micrograms per Liter
mg/L = milligrams per Liter
TPH = Total Petroleum Hydrocarbons
GRO = Gasoline Range Organics
DRO = Diesel Range Organics
ND= Not Detected (Laboratory Reporting Limit)

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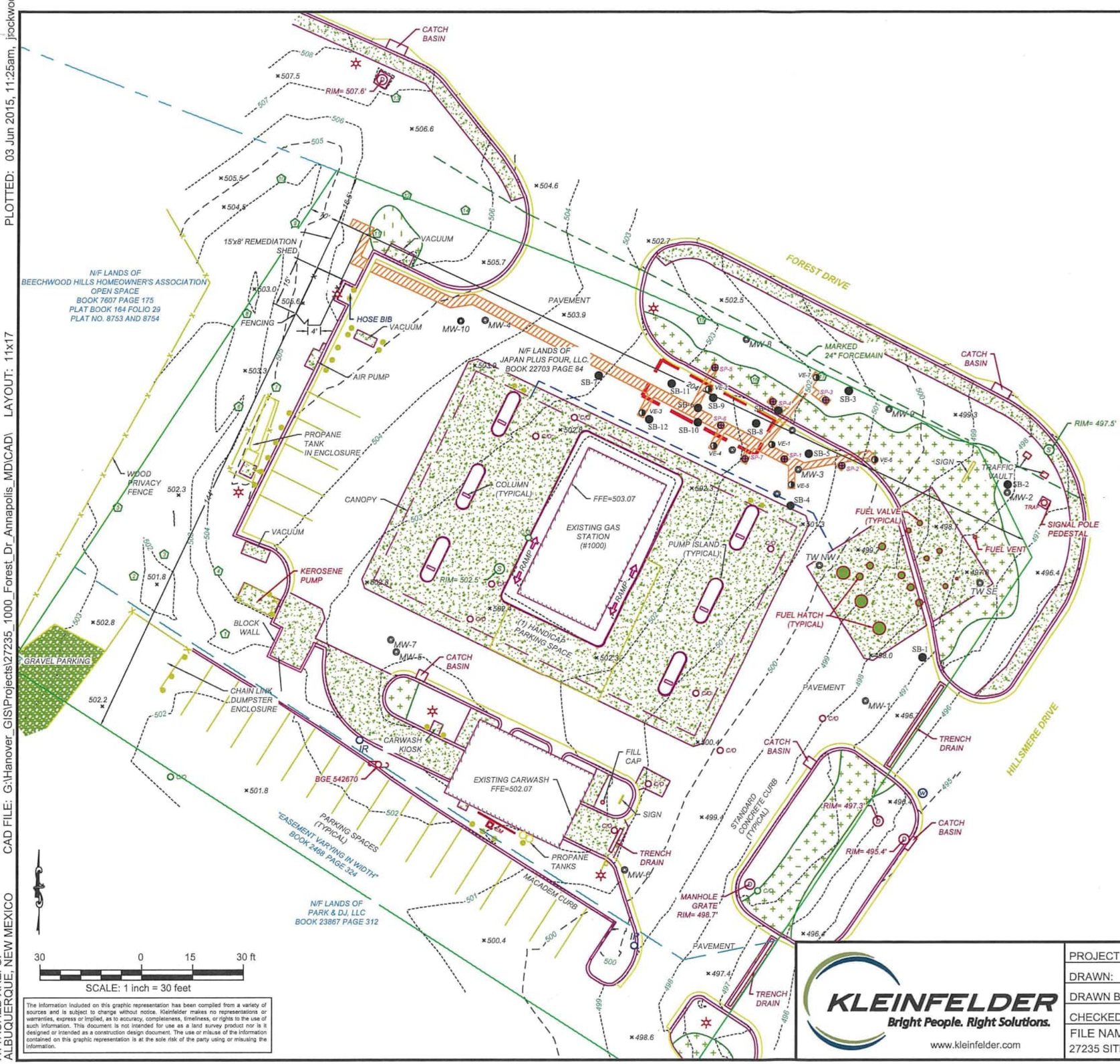
HYDROCARBON DISTRIBUTION/ GROUNDWATER CONTOUR MAP SEPTEMBER 4, 2019 (DEEP)

FORMER SOUTHSIDE FACILITY # 27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
3

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LEGEND

- BOUNDARY LINE
- EASEMENT LINE
- BUILDING OUTLINE
- BUILDING OVERHANG/AWNING
- FENCE LINE
- MW-6 MONITORING WELL
- SIGN - SMALL
- BOLLARD
- IRO IRRIGATION HEAD
- W WATER MANHOLE
- WM WATER METER
- WV WATER VALVE
- EM ELECTRIC METER
- UTILITY POLE
- LIGHT POLE
- TRAF TRAFFIC SIGNAL POLE
- D STORMDRAIN MANHOLE
- C/O STORM DRAIN CLEANOUT
- S SEWER MANHOLE
- C/O SEWER CLEANOUT
- SVE WELL
- AS WELL
- EXCAVATION
- TRENCHING
- PRODUCT PIPING
- SOIL BORING

NOTE: SOURCE OF SITE FEATURES FROM A SURVEY COMPLETED BY McCRONE, INC.

30 0 15 30 ft
SCALE: 1 inch = 30 feet

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Soil Vapor Extraction and Air Sparge System Layout

FORMER SOUTHSIDE FACILITY #27235
1000 FOREST DRIVE
ANNAPOLIS, MARYLAND

FIGURE
4

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TABLES

Table 1

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-1	10/29/2009	91.09	50.75	ND	ND	40.34	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	Screen Interval = 45-55'
	11/13/2009	91.09	50.50	ND	ND	40.59	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	1/11/2010	91.09	50.00	ND	ND	41.09	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	0.27	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	4/8/2010	91.09	48.18	ND	ND	42.91	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.301	ND(0.20)	NA	
	10/23/2010	91.09	48.01	ND	ND	43.08	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	2.5	ND(0.05)	NA	
	1/28/2011	91.09	48.19	ND	ND	42.90	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.15	ND(0.050)	NA	
	4/22/2011	91.09	48.48	ND	ND	42.61	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	7/6/2011	91.09	47.95	ND	ND	43.14	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	11/30/2011	91.09	48.35	ND	ND	42.74	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	2/27/2012	91.09	48.51	ND	ND	42.58	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	NA	
	5/31/2012	91.09	48.44	ND	ND	42.65	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	8/24/2012	91.09	49.07	ND	ND	42.02	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.26	ND(0.050)	NA	
	12/28/2012	91.09	49.42	ND	ND	41.67	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.11	ND(0.050)	ND(250)	
	3/29/2013	91.09	50.56	ND	ND	40.53	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	7	ND(5)	ND(0.098)	ND(0.050)	ND(250)	
	6/26/2013	91.09	50.13	ND	ND	40.96	10	ND(5)	ND(5)	ND(5)	8	190	ND(5)	ND(5)	11	ND(5)	ND(0.096)	0.21	ND(250)	
	9/18/2013	91.09	49.90	ND	ND	41.19	28	ND(5)	ND(5)	ND(5)	11	290	ND(5)	ND(5)	11	ND(5)	ND(0.095)	0.29	ND(250)	
	12/17/2013	91.09	50.18	ND	ND	40.91	29	ND(5)	ND(5)	ND(5)	11	230	ND(5)	ND(5)	10	ND(5)	ND(0.10)	0.28	ND(250)	
	3/26/2014	91.09	49.78	ND	ND	41.31	11	ND(1)	ND(1)	ND(1)	6	45	ND(1)	ND(1)	7	ND(5)	ND(0.10)	0.11	ND(250)	
	6/17/2014	91.09	48.79	ND	ND	42.30	2	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	4	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/17/2014	91.09	48.43	ND	ND	42.66	1	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	3	ND(5)	0.10	ND(0.050)	ND(250)	
	11/18/2014	91.09	48.90	ND	ND	42.19	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	2	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	2/12/2015	91.09	49.20	ND	ND	41.89	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	1	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	5/12/2015	91.09	49.16	ND	ND	41.93	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	2	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/11/2015	91.09	48.99	ND	ND	42.10	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/28/2015	91.09	49.81	ND	ND	41.28	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/10/2016	91.09	49.81	ND	ND	41.28	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/28/2016	91.09	49.36	ND	ND	41.73	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/26/2016	91.09	49.49	ND	ND	41.60	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-1	12/13/2016	91.09	49.42	ND	ND	41.67	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/9/2017	91.09	50.51	ND	ND	40.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/13/2017	91.09	50.40	ND	ND	40.69	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/6/2017	91.09	50.91	ND	ND	40.18	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	2	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/22/2017	91.09	51.42	ND	ND	39.67	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/14/2018	91.09	51.45	ND	ND	39.64	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/4/2018	91.09	51.22	ND	ND	39.87	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/6/2018	91.09	50.31	ND	ND	40.78	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	11/16/2018	91.09	49.29	ND	ND	41.80	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	3/4/2019	91.09	50.06	ND	ND	41.03	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	6/12/2019	91.09	51.31	ND	ND	39.78	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	9/4/2019	91.09	45.81	ND	ND	45.28	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	0.44	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-2	10/29/2009	91.87	51.67	ND	ND	40.20	1.1	0.74 J	18.9	2.7	426	NA	NA	NA	NA	25.3	1.02	3.89	NA	Screen Interval = 60-70'
	11/13/2009	91.87	51.16	ND	ND	40.71	0.74 J	ND(1.0)	10.6	0.38 J	434	NA	NA	NA	NA	16.7	0.832	3.57	NA	
	1/11/2010	91.87	50.91	ND	ND	40.96	ND(2.0)	ND(2.0)	ND(2.0)	ND(2.0)	166	NA	NA	NA	NA	ND(10)	0.325	1.35	NA	
	4/8/2010	91.87	49.11	ND	ND	42.76	ND(10)	ND(10)	ND(10)	ND(10)	360	461	5.8 J	ND(50)	1740	ND(50)	0.833	3.75	NA	
	10/23/2010	91.87	48.52	ND	ND	43.35	ND(10)	ND(10)	ND(10)	ND(10)	280	520	ND(10)	ND(10)	1900	ND(10)	0.71	3.4	NA	
	1/28/2011	91.87	49.04	ND	ND	42.83	ND(5)	ND(5)	ND(5)	ND(5)	220	370	ND(5)	ND(5)	1100	ND(5)	0.88	1.7	NA	
	4/22/2011	91.87	49.39	ND	ND	42.48	ND(5)	ND(5)	ND(5)	ND(5)	170	330	ND(5)	ND(5)	910	ND(5)	0.50	1.7	NA	
	7/6/2011	91.87	48.88	ND	ND	42.99	ND(5)	ND(5)	ND(5)	ND(5)	54	ND(80)	ND(5)	ND(5)	100	ND(5)	0.30	0.21	NA	
	11/30/2011	91.87	49.18	ND	ND	42.69	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	6	ND(5)	0.24	ND(0.050)	NA	
	2/27/2012	91.87	49.28	ND	ND	42.59	ND(5)	ND(5)	ND(5)	ND(5)	31	ND(80)	ND(5)	ND(5)	210	ND(5)	0.17	0.39	NA	
	5/31/2012	91.87	49.32	ND	ND	42.55	90	790	59	340	36	ND(80)	ND(5)	ND(5)	360	ND(5)	0.26	3.1	NA	
	8/24/2012	91.87	49.95	ND	ND	41.92	11	50	ND(5)	24	21	ND(80)	ND(5)	ND(5)	100	ND(5)	0.49	0.44	NA	
	12/28/2012	91.87	50.23	ND	ND	41.64	ND(5)	ND(5)	ND(5)	7	21	ND(80)	ND(5)	ND(5)	110	ND(5)	0.40	0.39	ND(250)	
	3/29/2013	91.87	51.36	ND	ND	40.51	6	120	30	140	25	ND(80)	ND(5)	ND(5)	490	6	0.30	1.4	ND(250)	
	6/26/2013	91.87	51.29	ND	ND	40.58	ND(10)	ND(10)	ND(10)	ND(10)	63	240	ND(10)	ND(10)	1500	ND(10)	0.53	2.9	ND(500)	
	9/18/2013	91.87	50.67	ND	ND	41.20	ND(5)	ND(5)	ND(5)	ND(5)	52	220	ND(5)	ND(5)	960	ND(5)	0.59	2.0	ND(250)	
	12/17/2013	91.87	50.95	ND	ND	40.92	ND(10)	ND(10)	ND(10)	ND(10)	57	260	ND(10)	ND(10)	1100	ND(10)	0.20	2.0	ND(500)	
	3/26/2014	91.87	50.65	ND	ND	41.22	ND(2)	ND(2)	ND(2)	ND(2)	39	140	ND(2)	ND(2)	690	ND(10)	0.13	1.2	ND(500)	
	6/17/2014	91.87	49.65	ND	ND	42.22	ND(1)	ND(1)	ND(1)	ND(1)	38	160	ND(1)	ND(1)	690	ND(5)	0.11	1.4	ND(250)	
	9/17/2014	91.87	49.53	ND	ND	42.34	ND(1)	ND(1)	ND(1)	ND(1)	40	130	.2	ND(1)	940	ND(5)	0.17	1.6	ND(250)	
	11/18/2014	91.87	49.77	ND	ND	42.10	ND(1)	ND(1)	ND(1)	ND(1)	26	170	1	ND(1)	580	ND(5)	ND(0.10)	1.4	ND(250)	
	2/12/2015	91.87	49.93	ND	ND	41.94	ND(1)	ND(1)	ND(1)	ND(1)	19	78	ND(1)	ND(1)	240	ND(5)	0.13	0.74	ND(250)	
	5/12/2015	91.87	49.92	ND	ND	41.95	ND(1)	ND(1)	ND(1)	ND(1)	59	180	9	ND(1)	1000	ND(5)	ND(0.10)	2.2	NA	
	9/11/2015	91.87	50.43	ND	ND	41.44	ND(2)	ND(2)	ND(2)	ND(2)	62	330	ND(2)	ND(2)	1800	ND(10)	ND(0.10)	3.2	NA	
	12/28/2015	91.87	50.24	ND	ND	41.63	42	160	15	65	33	180	ND(5)	ND(5)	820	ND(25)	0.22	2.9	NA	
	3/10/2016	91.87	50.71	ND	ND	41.16	ND(5)	ND(5)	ND(5)	ND(5)	33	190	ND(5)	ND(5)	960	ND(25)	ND(0.10)	2.8	NA	
	6/28/2016	91.87	50.20	ND	ND	41.67	ND(1)	ND(1)	ND(1)	ND(1)	35	180	ND(1)	ND(1)	1000	ND(5)	0.16	2.5	NA	
	9/26/2016	91.87	50.51	ND	ND	41.36	ND(1)	ND(1)	ND(1)	ND(1)	29	230	2	ND(1)	1100	ND(5)	0.19	2.7	NA	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-2	12/13/2016	91.87	50.46	ND	ND	41.41	ND(1)	ND(1)	ND(1)	ND(1)	16	130	4	ND(1)	510	ND(5)	0.31	1.4	NA	
	3/9/2017	91.87	51.21	ND	ND	40.66	ND(1)	ND(1)	ND(1)	ND(1)	29	300	ND(1)	ND(1)	1300	ND(5)	0.25	2.9	NA	
	6/13/2017	91.87	51.12	ND	ND	40.75	ND(2)	ND(2)	ND(2)	ND(2)	27	290	ND(2)	ND(2)	1400	ND(10)	0.16	2.7	NA	
	9/6/2017	91.87	51.77	ND	ND	40.10	ND(2)	ND(2)	ND(2)	ND(2)	38	290	ND(2)	ND(2)	1400	ND(10)	0.16	3.5	NA	
	12/22/2017	91.87	53.00	ND	ND	38.87	ND(2)	ND(2)	ND(2)	ND(2)	34	310	3	ND(2)	1300	ND(10)	0.16	2.3	NA	
	3/14/2018	91.87	52.41	ND	ND	39.46	ND(1)	ND(1)	ND(1)	ND(1)	7	50	ND(1)	ND(1)	280	ND(5)	0.19	2.1	NA	
	6/4/2018	91.87	52.02	ND	ND	39.85	ND(1)	ND(1)	ND(1)	ND(1)	28	240	3	ND(1)	1000	ND(5)	0.15	2.2	ND(250)	
	9/6/2018	91.87	51.12	ND	ND	40.75	ND(3)	ND(3)	ND(3)	ND(13)	25	230	ND(3)	ND(3)	990	ND(25)	0.22	2.6	ND(1300)	
	11/16/2018	91.87	50.05	ND	ND	41.82	ND(1)	ND(1)	ND(1)	ND(5)	23	250	ND(1)	ND(1)	1400	ND(10)	0.24	2.9	ND(500)	
	3/4/2019	91.87	50.77	ND	ND	41.10	ND(1)	ND(1)	ND(1)	ND(5)	18	200	ND(1)	ND(1)	1000	ND(10)	0.20	2.6	ND(500)	
	6/12/2019	91.87	51.47	ND	ND	40.40	ND(2)	ND(2)	ND(2)	ND(10)	15	200	ND(2)	ND(2)	1000	ND(20)	0.23	2.3	ND(1000)	
	9/4/2019	91.87	46.69	ND	ND	45.18	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	5	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
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		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-3	10/29/2009	95.18	15.24	ND	ND	79.94	9910	23400	2150	9290	144	NA	NA	NA	NA	206	5.89	98.9	NA	Screen Interval = 12-22'
	11/13/2009	95.18	15.01	ND	ND	80.17	13000	26900	2400	11000	179	NA	NA	NA	NA	ND(1300)	4.40	129	NA	
	1/11/2010	95.18	14.35	ND	ND	80.83	24900	57200	3920	19000	178 J	NA	NA	NA	NA	356 J	9.76	212	NA	
	4/8/2010	95.18	13.57	ND	ND	81.61	23400	44900	3220	14600	129	1700	ND(250)	ND(250)	8990	459	7.43	217	NA	
	10/23/2010	95.18	14.15	ND	ND	81.03	13000	33000	2800	13000	ND(250)	ND(4000)	ND(250)	ND(250)	2400	300	2.9	120	NA	
	1/28/2011	95.18	15.41	15.39	0.02	79.79	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/22/2011	95.18	15.11	ND	ND	80.07	20000	48000	3900	20000	ND(250)	ND(4000)	ND(250)	ND(250)	5100	810	15	190	NA	
	7/6/2011	95.18	15.25	ND	ND	79.93	9000	21000	1900	7800	ND(100)	3000	ND(100)	ND(100)	2100	270	7.7	82	NA	
	11/30/2011	95.18	15.48	ND	ND	79.70	14000	46000	3900	19000	ND(250)	ND(4000)	ND(250)	ND(250)	2800	540	6.4	190	NA	
	2/27/2012	95.18	15.59	ND	ND	79.59	8900	19000	1900	7600	ND(100)	3000	ND(100)	ND(100)	2500	300	6.2	75	NA	
	5/31/2012	95.18	15.49	ND	ND	79.69	10000	25000	2200	10000	ND(250)	ND(4000)	ND(250)	ND(250)	2800	280	7.3	85	NA	
	8/24/2012	95.18	15.21	ND	ND	79.97	22000	45000	3400	17000	ND(250)	ND(4000)	ND(250)	ND(250)	6200	500	7.6	180	NA	
	12/28/2012	95.18	15.47	ND	ND	79.71	14000	26000	2100	9400	ND(130)	ND(2000)	ND(130)	ND(130)	2900	330	7.4	83	ND(6300)	
	3/29/2013	95.18	15.81	ND	ND	79.37	21000	44000	3500	17000	ND(130)	ND(2000)	ND(130)	ND(130)	6600	410	10	170	ND(6300)	
	6/26/2013	95.18	15.29	ND	ND	79.89	21000	40000	2800	13000	ND(250)	ND(4000)	ND(250)	ND(250)	6700	350	4.8	41	ND(13000)	
	9/18/2013	95.18	15.81	ND	ND	79.37	23000	46000	3600	15000	ND(100)	ND(1600)	ND(100)	ND(100)	6900	500	9.4	190	ND(5000)	
	12/17/2013	95.18	16.11	ND	ND	79.07	9600	16000	1600	5400	ND(100)	1800	ND(100)	ND(100)	2100	270	2.9	68	ND(5000)	
	3/26/2014	95.18	15.28	ND	ND	79.90	25000	54000	3600	17000	44	720	ND(20)	ND(20)	7900	490	5.0	170	ND(5000)	
	6/17/2014	95.18	14.95	ND	ND	80.23	25000	60000	3900	19000	ND(100)	ND(2000)	ND(100)	ND(100)	11000	ND(500)	6.3	220	ND(25000)	
	9/17/2014	95.18	15.75	ND	ND	79.43	22000	51000	3200	18000	28	840	ND(25)	ND(25)	4600	400	6.7	170	ND(6300)	
	11/18/2014	95.18	16.31	ND	ND	78.87	12000	23000	2200	9300	28	970	ND(20)	ND(20)	3500	300	3.3	100	ND(5000)	
	2/12/2015	95.18	15.71	ND	ND	79.47	22000	46000	3700	18000	28	470	ND(10)	ND(10)	5200	560	5.4	200	ND(2500)	
	5/12/2015	95.18	14.91	ND	ND	80.27	20000	47000	6400	19000	28	420	ND(10)	ND(10)	5300	650	10	190	NA	
	9/11/2015	95.18	15.49	ND	ND	79.69	29000	62000	3400	16000	ND(50)	ND(1000)	ND(50)	ND(50)	7000	420	6.4	230	NA	
	12/28/2015	95.18	15.93	ND	ND	79.25	14000	33000	2900	15000	ND(100)	ND(2000)	ND(100)	ND(100)	3300	ND(500)	4.2	170	NA	
	3/10/2016	95.18	14.23	ND	ND	80.95	14000	36000	2800	14000	27	610	ND(10)	ND(10)	4000	580	11	180	NA	
	6/28/2016	95.18	13.61	ND	ND	81.57	4000	22000	2900	19000	ND(20)	2000	ND(20)	ND(20)	1600	750	44	160	NA	
	9/26/2016	95.18	13.88	ND	ND	81.30	2500	14000	2400	18000	ND(5)	2300	ND(5)	ND(5)	730	840	37	100	NA	

Table 1 (Continued)

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October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-3	12/13/2016	95.18	13.83	ND	ND	81.35	590	3600	910	4500	6	1200	ND(5)	ND(5)	180	250	7.1	33	NA	
	3/9/2017	95.18	14.92	ND	ND	80.26	400	1600	560	3200	7	1000	ND(2)	ND(2)	99	190	5.9	27	NA	
	6/13/2017	95.18	14.81	ND	ND	80.37	560	4800	770	7600	ND(5)	1700	ND(5)	ND(5)	37	620	25	48	NA	
	9/6/2017	95.18	15.39	ND	ND	79.79	440	5600	910	8300	ND(5)	1900	ND(5)	ND(5)	25	500	29	58	NA	
	12/22/2017	95.18	16.42	ND	ND	78.76	140	1800	150	4500	ND(2)	1300	ND(2)	ND(2)	36	370	12	31	NA	
	3/14/2018	95.18	16.46	ND	ND	78.72	64	1800	120	4300	ND(2)	3200	ND(2)	ND(2)	8	280	13	32	NA	
	6/4/2018	95.18	14.97	ND	ND	80.21	37	1000	210	2300	ND(2)	1800	ND(2)	ND(2)	61	270	17	34	ND(500)	
	9/6/2018	95.18	13.99	ND	ND	81.19	120	5100	490	5400	ND(5)	1600	ND(5)	ND(5)	490	460	28	51	ND(2500)	
	11/16/2018	95.18	13.40	ND	ND	81.78	100	5500	420	4500	ND(5)	900	ND(5)	ND(5)	650	580	15	34	ND(2500)	
	3/4/2019	95.18	13.61	ND	ND	81.57	270	5700	490	6500	ND(10)	820	ND(10)	ND(10)	1400	970	16	44	ND(5000)	
	6/12/2019	95.18	16.11	ND	ND	79.07	680	11000	1100	11000	ND(5)	670	ND(5)	ND(5)	2100	1100	26	60	ND(2500)	
	9/4/2019	95.18	14.36	ND	ND	80.82	930	17000	1300	12000	ND(20)	ND(500)	ND(20)	ND(20)	2100	1100	17	77	ND(10000)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-4	10/29/2009	98.10	12.65	ND	ND	85.45	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	3.7	NA	NA	NA	NA	ND(5.0)	0.152	ND(0.20)	NA	Screen Interval = 10-20'
	11/13/2009	98.10	12.50	ND	ND	85.60	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	7.4	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	1/11/2010	98.10	NM	NM	NM	NM	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/8/2010	98.10	8.97	ND	ND	89.13	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.5	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/23/2010	98.10	11.03	ND	ND	87.07	190	690	86	410	ND(5)	ND(80)	ND(5)	ND(5)	18	8	0.16	3.7	NA	
	1/28/2011	98.10	11.69	ND	ND	86.41	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.24	ND(0.050)	NA	
	4/22/2011	98.10	11.17	ND	ND	86.93	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	NA	
	7/6/2011	98.10	11.78	ND	ND	86.32	25	110	14	61	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.11	0.52	NA	
	11/30/2011	98.10	12.65	ND	ND	85.45	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	2/27/2012	98.10	11.85	ND	ND	86.25	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	5/31/2012	98.10	12.10	ND	ND	86.00	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	8/24/2012	98.10	12.63	ND	ND	85.47	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.098)	ND(0.050)	NA	
	12/28/2012	98.10	12.91	ND	ND	85.19	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.16	ND(0.050)	ND(250)	
	3/29/2013	98.10	11.87	ND	ND	86.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.21	ND(0.050)	ND(250)	
	6/26/2013	98.10	12.05	ND	ND	86.05	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	ND(250)	
	9/18/2013	98.10	12.98	ND	ND	85.12	ND(5)	ND(5)	ND(5)	ND(5)	5	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.099)	ND(0.050)	ND(250)	
	12/17/2013	98.10	13.92	ND	ND	84.18	ND(5)	ND(5)	ND(5)	7	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	0.079	ND(250)	
	3/26/2014	98.10	11.30	ND	ND	86.80	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/17/2014	98.10	11.68	ND	ND	86.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/17/2014	98.10	13.22	ND	ND	84.88	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	11/18/2014	98.10	13.10	ND	ND	85.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	2/12/2015	98.10	13.96	ND	ND	84.14	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	5/12/2015	98.10	12.07	ND	ND	86.03	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/11/2015	98.10	13.45	ND	ND	84.65	ND(1)	ND(1)	ND(1)	1	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/28/2015	98.10	14.71	ND	ND	83.39	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/10/2016	98.10	13.76	ND	ND	84.34	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/28/2016	98.10	13.35	ND	ND	84.75	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/26/2016	98.10	13.56	ND	ND	84.54	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-4	12/13/2016	98.10	13.52	ND	ND	84.58	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/9/2017	98.10	14.38	ND	ND	83.72	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/13/2017	98.10	14.28	ND	ND	83.82	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/6/2017	98.10	14.33	ND	ND	83.77	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/22/2017	98.10	15.12	ND	ND	82.98	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/14/2018	98.10	14.92	ND	ND	83.18	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/4/2018	98.10	13.79	ND	ND	84.31	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/6/2018	98.10	12.72	ND	ND	85.38	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	11/16/2018	98.10	12.23	ND	ND	85.87	ND(1)	ND(1)	ND(1)	ND(5)	1	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	3/4/2019	98.10	12.34	ND	ND	85.76	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	6/12/2019	98.10	14.77	ND	ND	83.33	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	0.10	ND(0.050)	ND(500)	
	9/4/2019	98.10	12.07	ND	ND	86.03	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
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		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-5	10/29/2009	95.97	10.66	ND	ND	85.31	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.0	NA	NA	NA	NA	ND(5.0)	0.175	ND(0.20)	NA	Screen Interval = 10-20'
	11/13/2009	95.97	10.49	ND	ND	85.48	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	4.2	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	1/11/2010	95.97	8.57	ND	ND	87.40	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	32.2	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	4/8/2010	95.97	8.36	ND	ND	87.61	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	56.2	195	ND(5.0)	ND(5.0)	2.0 J	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	10/23/2010	95.97	9.07	ND	ND	86.90	94	340	41	210	45	180	ND(5)	ND(5)	10	ND(5)	0.47	1.9	NA	
	1/28/2011	95.97	9.73	ND	ND	86.24	ND(5)	ND(5)	ND(5)	ND(5)	32	130	ND(5)	ND(5)	ND(5)	ND(5)	1.5	ND(0.050)	NA	
	4/22/2011	95.97	8.06	ND	ND	87.91	ND(5)	ND(5)	ND(5)	ND(5)	21	92	ND(5)	ND(5)	ND(5)	ND(5)	0.18	ND(0.050)	NA	
	7/6/2011	95.97	8.36	ND	ND	87.61	ND(5)	ND(5)	ND(5)	ND(5)	14	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.14	ND(0.050)	NA	
	11/30/2011	95.97	10.43	ND	ND	85.54	ND(5)	ND(5)	ND(5)	ND(5)	8	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	2/27/2012	95.97	9.52	ND	ND	86.45	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.11	ND(0.050)	NA	
	5/31/2012	95.97	9.66	ND	ND	86.31	ND(5)	ND(5)	ND(5)	ND(5)	10	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.096)	ND(0.050)	NA	
	8/24/2012	95.97	10.16	ND	ND	85.81	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	NA	
	12/28/2012	95.97	10.51	ND	ND	85.46	ND(5)	ND(5)	ND(5)	ND(5)	6	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.22	ND(0.050)	ND(250)	
	3/29/2013	95.97	9.50	ND	ND	86.47	ND(5)	ND(5)	ND(5)	ND(5)	7	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	ND(250)	
	6/26/2013	95.97	9.56	ND	ND	86.41	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	9/18/2013	95.97	10.81	ND	ND	85.16	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.48)	ND(0.050)	ND(250)	
	12/17/2013	95.97	11.62	ND	ND	84.35	ND(5)	ND(5)	ND(5)	ND(5)	11	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/26/2014	95.97	8.71	ND	ND	87.26	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/17/2014	95.97	9.28	ND	ND	86.69	ND(1)	ND(1)	ND(1)	ND(1)	3	23	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/17/2014	95.97	10.85	ND	ND	85.12	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	11/18/2014	95.97	10.73	ND	ND	85.24	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	2/12/2015	95.97	11.32	ND	ND	84.65	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	1	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	5/12/2015	95.97	9.40	ND	ND	86.57	ND(1)	ND(1)	ND(1)	ND(1)	5	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/11/2015	95.97	10.91	ND	ND	85.06	ND(1)	ND(1)	ND(1)	ND(1)	2	22	ND(1)	ND(1)	1	ND(5)	0.13	ND(0.050)	NA	
	12/28/2015	95.97	12.31	ND	ND	83.66	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	1	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/10/2016	95.97	11.29	ND	ND	84.68	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/28/2016	95.97	11.02	ND	ND	84.95	ND(1)	ND(1)	ND(1)	ND(1)	1	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/26/2016	95.97	11.13	ND	ND	84.84	ND(1)	ND(1)	ND(1)	ND(1)	2	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	

Table 1 (Continued)

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Former Southside Facility #27235
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		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-5	12/13/2016	95.97	11.09	ND	ND	84.88	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/9/2017	95.97	12.12	ND	ND	83.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/13/2017	95.97	12.00	ND	ND	83.97	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/6/2017	95.97	12.43	ND	ND	83.54	ND(1)	ND(1)	ND(1)	ND(1)	4	ND(20)	ND(1)	ND(1)	3	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/22/2017	95.97	12.88	ND	ND	83.09	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/14/2018	95.97	13.50	ND	ND	82.47	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/4/2018	95.97	12.28	ND	ND	83.69	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/6/2018	95.97	11.26	ND	ND	84.71	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	11/16/2018	95.97	10.87	ND	ND	85.10	ND(1)	ND(1)	ND(1)	ND(5)	4	ND(25)	ND(1)	ND(1)	6	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	3/4/2019	95.97	11.22	ND	ND	84.75	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	6/12/2019	95.97	13.41	ND	ND	82.56	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	9/4/2019	95.97	9.25	ND	ND	86.72	ND(1)	ND(1)	ND(1)	ND(5)	2	80	ND(1)	ND(1)	3	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-6	10/29/2009	94.08	9.00	ND	ND	85.08	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.2	NA	NA	NA	NA	ND(5.0)	0.154	ND(0.20)	NA	Screen Interval = 10-20'
	11/13/2009	94.08	8.82	ND	ND	85.26	0.26	ND(1.0)	ND(1.0)	ND(1.0)	1.3	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	1/11/2010	94.08	8.66	ND	ND	85.42	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	1.5	NA	NA	NA	NA	ND(5.0)	ND(0.10)	ND(0.20)	NA	
	4/8/2010	94.08	7.69	ND	ND	86.39	ND(1.0)	ND(1.0)	ND(1.0)	ND(1.0)	2.7	ND(25)	ND(5.0)	ND(5.0)	ND(5.0)	ND(5.0)	0.141	ND(0.20)	NA	
	10/23/2010	94.08	8.46	ND	ND	85.62	46	210	25	130	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.6	0.9	NA	
	1/28/2011	94.08	9.33	ND	ND	84.75	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.58	ND(0.050)	NA	
	4/22/2011	94.08	8.52	ND	ND	85.56	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.46	ND(0.050)	NA	
	7/6/2011	94.08	9.45	ND	ND	84.63	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.35	ND(0.050)	NA	
	11/30/2011	94.08	9.94	ND	ND	84.14	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(1.0)	ND(0.050)	NA	
	2/27/2012	94.08	10.29	ND	ND	83.79	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.25	ND(0.050)	NA	
	5/31/2012	94.08	10.47	ND	ND	83.61	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.17	ND(0.050)	NA	
	8/24/2012	94.08	9.50	ND	ND	84.58	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.39	ND(0.050)	NA	
	12/28/2012	94.08	9.89	ND	ND	84.19	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.49	ND(0.050)	ND(250)	
	3/29/2013	94.08	10.13	ND	ND	83.95	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.27	ND(0.050)	ND(250)	
	6/26/2013	94.08	10.03	ND	ND	84.05	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.15	ND(0.050)	ND(250)	
	9/18/2013	94.08	10.55	ND	ND	83.53	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.20	ND(0.050)	ND(250)	
	12/17/2013	94.08	10.81	ND	ND	83.27	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.58	ND(0.050)	ND(250)	
	3/26/2014	94.08	9.58	ND	ND	84.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/17/2014	94.08	10.01	ND	ND	84.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/17/2014	94.08	10.43	ND	ND	83.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	11/18/2014	94.08	11.53	ND	ND	82.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	2/12/2015	94.08	11.18	ND	ND	82.90	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	5/12/2015	94.08	10.29	ND	ND	83.79	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/11/2015	94.08	10.70	ND	ND	83.38	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/28/2015	94.08	11.53	ND	ND	82.55	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.25)	NA	
	3/10/2016	94.08	10.89	ND	ND	83.19	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/28/2016	94.08	10.66	ND	ND	83.42	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/26/2016	94.08	10.76	ND	ND	83.32	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
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		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-6	12/13/2016	94.08	10.71	ND	ND	83.37	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/9/2017	94.08	11.88	ND	ND	82.20	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/13/2017	94.08	11.75	ND	ND	82.33	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/6/2017	94.08	11.15	ND	ND	82.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/22/2017	94.08	11.72	ND	ND	82.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/14/2018	94.08	11.72	ND	ND	82.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/4/2018	94.08	10.56	ND	ND	83.52	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/6/2018	94.08	9.60	ND	ND	84.48	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	0.14	ND(0.050)	ND(500)	
	11/16/2018	94.08	9.96	ND	ND	84.12	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	3/4/2019	94.08	10.11	ND	ND	83.97	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	6/12/2019	94.08	11.64	ND	ND	82.44	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	0.12	ND(0.050)	ND(500)	
	9/4/2019	94.08	10.44	ND	ND	83.64	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
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October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-7	5/31/2012	95.62	54.08	ND	ND	41.54	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.20	ND(0.050)	NA	Screen Interval = 55-65'
	8/24/2012	95.62	54.14	ND	ND	41.48	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.097)	ND(0.050)	NA	
	12/28/2012	95.62	54.62	ND	ND	41.00	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.3	ND(0.050)	ND(250)	
	3/29/2013	95.62	54.95	ND	ND	40.67	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	6/26/2013	95.62	54.45	ND	ND	41.17	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.095)	ND(0.050)	ND(250)	
	9/18/2013	95.62	54.28	ND	ND	41.34	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	12/17/2013	95.62	54.40	ND	ND	41.22	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/26/2014	95.62	54.25	ND	ND	41.37	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/17/2014	95.62	53.58	ND	ND	42.04	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/17/2014	95.62	53.35	ND	ND	42.27	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.12	ND(0.050)	ND(250)	
	11/18/2014	95.62	53.69	ND	ND	41.93	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	2/12/2015	95.62	53.36	ND	ND	42.26	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	5/12/2015	95.62	53.61	ND	ND	42.01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/11/2015	95.62	53.91	ND	ND	41.71	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	1.5	ND(1.0)	NA	
	12/28/2015	95.62	53.97	ND	ND	41.65	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/10/2016	95.62	56.78	ND	ND	38.84	ND(1)	ND(1)	ND(1)	ND(1)	3	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/28/2016	95.62	56.56	ND	ND	39.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/26/2016	95.62	56.61	ND	ND	39.01	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/13/2016	95.62	56.56	ND	ND	39.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/9/2017	95.62	57.62	ND	ND	38.00	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/13/2017	95.62	57.50	ND	ND	38.12	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/6/2017	95.62	55.39	ND	ND	40.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/22/2017	95.62	55.86	ND	ND	39.76	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/14/2018	95.62	55.87	ND	ND	39.75	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/4/2018	95.62	55.56	ND	ND	40.06	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/6/2018	95.62	54.58	ND	ND	41.04	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	11/16/2018	95.62	53.54	ND	ND	42.08	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	3/4/2019	95.62	53.81	ND	ND	41.81	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

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October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data												
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-7	6/12/2019	95.62	55.79	ND	ND	39.83	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	9/4/2019	95.62	50.17	ND	ND	45.45	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-8	5/31/2012	96.29	13.75	ND	ND	82.54	3500	19000	1700	13000	ND(250)	ND(4000)	ND(250)	ND(250)	1200	ND(250)	6.6	88	NA	Screen Interval = 7-22'
	8/24/2012	96.29	12.03	ND	ND	84.26	4400	35000	3300	16000	ND(100)	ND(1600)	ND(100)	ND(100)	ND(100)	470	7.1	150	NA	
	12/28/2012	96.29	12.08	ND	ND	84.21	2600	17000	2700	12000	ND(100)	ND(1600)	ND(100)	ND(100)	660	480	6.0	74	ND(5000)	
	3/29/2013	96.29	17.32	ND	ND	78.97	2600	12000	1900	8000	ND(50)	ND(800)	ND(50)	ND(50)	860	220	5.0	48	ND(2500)	
	6/26/2013	96.29	14.62	ND	ND	81.67	4600	16000	1000	7900	ND(50)	ND(800)	ND(50)	ND(50)	1600	79	6.2	60	ND(2500)	
	9/18/2013	96.29	17.06	ND	ND	79.23	2400	8900	1300	5500	ND(50)	ND(800)	ND(50)	ND(50)	910	130	4.3	47	ND(2500)	
	12/17/2013	96.29	14.56	ND	ND	81.73	3800	17000	1900	8400	ND(100)	ND(1600)	ND(100)	ND(100)	1300	290	3.1	65	ND(5000)	
	3/26/2014	96.29	16.33	ND	ND	79.96	3800	12000	1800	6200	ND(10)	ND(200)	ND(10)	ND(10)	1200	240	3.5	53	ND(2500)	
	6/17/2014	96.29	16.38	ND	ND	79.91	5400	19000	2500	9600	ND(50)	ND(1000)	ND(50)	ND(50)	1900	250	4.4	70	ND(13000)	
	9/17/2014	96.29	17.45	ND	ND	78.84	3500	11000	1800	6700	ND(10)	ND(200)	ND(10)	ND(10)	1400	210	3.8	57	ND(2500)	
	11/18/2014	96.29	17.95	ND	ND	78.34	4400	15000	2100	8400	ND(20)	ND(400)	ND(20)	ND(20)	2200	230	3.6	56	ND(5000)	
	2/12/2015	96.29	16.19	ND	ND	80.10	3900	12000	1900	7100	ND(10)	ND(200)	ND(10)	ND(10)	1600	290	3.3	59	ND(2500)	
	5/12/2015	96.29	15.45	ND	ND	80.84	3200	8700	1700	5500	2	41	ND(2)	ND(2)	1100	230	3.2	46	NA	
	9/11/2015	96.29	16.80	ND	ND	79.49	4500	12000	2000	7300	ND(10)	250	ND(10)	ND(10)	2600	280	6.7	74	NA	
	12/28/2015	96.29	17.11	ND	ND	79.18	1800	4500	850	2900	ND(10)	450	ND(10)	ND(10)	1500	97	1.9	32	NA	
	3/10/2016	96.29	14.38	ND	ND	81.91	480	920	260	900	ND(1)	62	ND(1)	ND(1)	280	37	0.61	8.4	NA	
	6/28/2016	96.29	16.02	ND	ND	80.27	830	690	380	1100	6	460	ND(1)	ND(1)	1100	100	1.6	14	NA	
	9/26/2016	96.29	15.58	ND	ND	80.71	1200	1400	740	2100	11	780	ND(2)	ND(2)	2600	130	2.3	26	NA	
	12/13/2016	96.29	15.52	ND	ND	80.77	1400	820	630	1600	12	810	ND(2)	ND(2)	3200	140	2.3	26	NA	
	3/9/2017	96.29	17.77	ND	ND	78.52	720	76	83	260	5	490	ND(2)	ND(2)	2200	31	0.94	10	NA	
	6/13/2017	96.29	17.64	ND	ND	78.65	150	33	52	110	ND(1)	ND(20)	ND(1)	ND(1)	380	9	0.19	1.6	NA	
	9/6/2017	96.29	16.65	ND	ND	79.64	1200	42	240	120	ND(5)	120	ND(5)	ND(5)	1700	54	1.0	7.9	NA	
	12/22/2017	96.29	17.73	ND	ND	78.56	2300	95	200	93	ND(5)	230	ND(5)	ND(5)	4100	28	1.2	15	NA	
	3/14/2018	96.29	17.76	ND	ND	78.53	1	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	170	ND(5)	ND(0.10)	0.19	NA	
	6/4/2018	96.29	16.42	ND	ND	79.87	200	110	26	110	ND(1)	ND(20)	ND(1)	ND(1)	240	ND(5)	0.12	1.5	ND(250)	
	9/6/2018	96.29	15.47	ND	ND	80.82	1200	450	330	830	ND(2)	80	ND(2)	ND(2)	610	55	1.2	9.4	ND(1000)	
	11/16/2018	96.29	6.18	ND	ND	90.11	120	61	67	110	ND(1)	ND(25)	ND(1)	ND(1)	46	16	0.18	1.3	ND(500)	
	3/4/2019	96.29	15.21	ND	ND	81.08	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	2	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-8	6/12/2019	96.29	17.57	ND	ND	78.72	290	430	100	430	ND(1)	ND(25)	ND(1)	ND(1)	170	37	0.47	3.3	ND(500)	
	9/4/2019	96.29	15.80	ND	ND	80.49	950	650	430	770	2	140	ND(1)	ND(1)	1100	100	1.3	11	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-9	5/31/2012	94.51	14.91	ND	ND	79.60	8400	46000	3600	19000	ND(250)	ND(4000)	ND(250)	ND(250)	ND(250)	380	7.5	140	NA	Screen Interval = 5-19'
	8/24/2012	94.51	15.39	ND	ND	79.12	200	1200	570	2400	ND(10)	ND(160)	ND(10)	ND(10)	26	74	2.4	13	NA	
	12/28/2012	94.51	15.68	ND	ND	78.83	ND(5)	ND(5)	ND(5)	62	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	1.3	0.32	ND(250)	
	3/29/2013	94.51	15.41	ND	ND	79.10	1100	7100	870	4700	ND(13)	ND(200)	ND(13)	ND(13)	18	200	6.8	29	ND(630)	
	6/26/2013	94.51	13.82	ND	ND	80.69	660	4100	660	3100	ND(25)	ND(400)	ND(25)	ND(25)	ND(25)	120	4.1	20	ND(1300)	
	9/18/2013	94.51	17.05	ND	ND	77.46	2700	17000	2000	8900	ND(130)	ND(2000)	ND(130)	ND(130)	ND(130)	320	7.7	64	ND(6300)	
	12/17/2013	94.51	11.75	ND	ND	82.76	270	1200	290	920	ND(5)	ND(80)	ND(5)	ND(5)	13	46	1.2	6.3	ND(250)	
	3/26/2014	94.51	16.22	ND	ND	78.29	880	4900	800	2900	ND(10)	ND(200)	ND(10)	ND(10)	13	190	3.0	20	ND(2500)	
	6/17/2014	94.51	16.82	ND	ND	77.69	1500	8300	1100	4600	ND(20)	ND(400)	ND(20)	ND(20)	ND(20)	200	5.5	35	ND(5000)	
	9/17/2014	94.51	17.42	ND	ND	77.09	2000	12000	1400	6700	ND(25)	ND(500)	ND(25)	ND(25)	27	220	3.8	40	ND(6300)	
	11/18/2014	94.51	18.36	ND	ND	76.15	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient water amount
	2/12/2015	94.51	16.59	ND	ND	77.92	460	1300	430	1100	ND(1)	ND(20)	ND(1)	ND(1)	6	150	1.7	7.9	ND(250)	
	5/12/2015	94.51	16.12	ND	ND	78.39	320	1200	290	850	ND(1)	ND(20)	ND(1)	ND(1)	3	67	0.87	6.4	NA	
	9/11/2015	94.51	17.75	ND	ND	76.76	1600	4600	1100	2800	ND(5)	ND(100)	ND(5)	ND(5)	41	190	3.3	27	NA	
	12/28/2015	94.51	15.40	ND	ND	79.11	190	450	ND(100)	250	ND(100)	ND(2000)	ND(100)	ND(100)	ND(100)	ND(500)	0.17	2.3	NA	
	3/10/2016	94.51	15.28	ND	ND	79.23	25	31	11	64	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	0.10	0.52	NA	
	6/28/2016	94.51	17.21	ND	ND	77.30	110	4	28	24	ND(1)	ND(20)	ND(1)	ND(1)	3	8	0.25	0.69	NA	
	9/26/2016	94.51	16.66	ND	ND	77.85	32	3	17	7	2	ND(20)	ND(1)	ND(1)	98	ND(5)	0.11	0.51	NA	
	12/13/2016	94.51	16.63	ND	ND	77.88	ND(1)	ND(1)	ND(1)	ND(1)	11	94	ND(1)	ND(1)	420	ND(5)	0.50	0.93	NA	
	3/9/2017	94.51	17.88	ND	ND	76.63	470	48	41	160	3	280	ND(1)	ND(1)	1400	17	0.54	5.6	NA	
	6/13/2017	94.51	17.76	ND	ND	76.75	ND(2)	ND(2)	ND(2)	ND(2)	26	270	ND(2)	ND(2)	1300	ND(10)	0.21	3.0	NA	
	9/6/2017	94.51	17.55	ND	ND	76.96	39	2	9	9	ND(1)	ND(20)	ND(1)	ND(1)	3	ND(5)	0.59	0.26	NA	
	12/22/2017	94.51	17.92	ND	ND	76.59	2600	100	220	100	ND(5)	220	ND(5)	ND(5)	4700	33	1.3	15	NA	
	3/14/2018	94.51	17.66	ND	ND	76.85	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient water amount
	6/4/2018	94.51	17.16	ND	ND	77.35	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient water amount
	9/6/2018	94.51	16.92	ND	ND	77.59	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	Insufficient water amount
	11/16/2018	94.51	4.72	ND	ND	89.79	17	2	16	10	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	0.10	0.30	ND(500)	
	3/4/2019	94.51	16.77	ND	ND	77.74	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-9	6/12/2019	94.51	17.49	ND	ND	77.02	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2019	94.51	17.03	ND	ND	77.48	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
MW-10	12/28/2012	98.13	57.21	ND	ND	40.92	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.56	ND(0.050)	ND(250)	
	3/29/2013	98.13	57.66	ND	ND	40.47	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	0.10	ND(0.050)	ND(250)	
	6/26/2013	98.13	56.90	ND	ND	41.23	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.50)	ND(0.050)	ND(250)	
	9/18/2013	98.13	56.89	ND	ND	41.24	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.094)	ND(0.050)	ND(250)	
	12/17/2013	98.13	57.05	ND	ND	41.08	ND(5)	ND(5)	ND(5)	ND(5)	ND(5)	ND(80)	ND(5)	ND(5)	ND(5)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	3/26/2014	98.13	56.67	ND	ND	41.46	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	6/17/2014	98.13	55.73	ND	ND	42.40	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/17/2014	98.13	54.40	ND	ND	43.73	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	11/18/2014	98.13	55.82	ND	ND	42.31	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	2/12/2015	98.13	56.11	ND	ND	42.02	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	5/12/2015	98.13	56.06	ND	ND	42.07	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/11/2015	98.13	55.90	ND	ND	42.23	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/28/2015	98.13	56.84	ND	ND	41.29	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/10/2016	98.13	56.70	ND	ND	41.43	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/28/2016	98.13	56.64	ND	ND	41.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/26/2016	98.13	56.68	ND	ND	41.45	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/13/2016	98.13	56.63	ND	ND	41.50	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/9/2017	98.13	57.77	ND	ND	40.36	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/13/2017	98.13	57.64	ND	ND	40.49	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	9/6/2017	98.13	57.88	ND	ND	40.25	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	12/22/2017	98.13	58.17	ND	ND	39.96	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	3/14/2018	98.13	58.28	ND	ND	39.85	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	NA	
	6/4/2018	98.13	57.94	ND	ND	40.19	ND(1)	ND(1)	ND(1)	ND(1)	ND(1)	ND(20)	ND(1)	ND(1)	ND(1)	ND(5)	ND(0.10)	ND(0.050)	ND(250)	
	9/6/2018	98.13	57.06	ND	ND	41.07	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	11/16/2018	98.13	56.16	ND	ND	41.97	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	3/4/2019	98.13	56.28	ND	ND	41.85	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	
	6/12/2019	98.13	58.17	ND	ND	39.96	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	0.12	ND(0.050)	ND(500)	
	9/4/2019	98.13	52.74	ND	ND	45.39	ND(1)	ND(1)	ND(1)	ND(5)	ND(1)	ND(25)	ND(1)	ND(1)	ND(1)	ND(10)	ND(0.10)	ND(0.050)	ND(500)	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
TF-NW	1/28/2011	NSVD	15.47	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/22/2011	NSVD	15.80	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/6/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2011	NSVD	15.89	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/27/2012	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2012	NSVD	15.60	ND	ND	NSVD	1000	3400	630	1900	110	810	48	ND(25)	200	82	17	18	NA	
	8/24/2012	NSVD	15.52	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/28/2012	NSVD	15.73	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/29/2013	NSVD	15.60	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/26/2013	NSVD	16.05	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/18/2013	NSVD	15.72	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/17/2013	NSVD	15.58	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/26/2014	NSVD	15.98	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2014	NSVD	16.01	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2014	NSVD	15.80	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/18/2014	NSVD	16.36	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/12/2015	NSVD	15.97	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/12/2015	NSVD	15.69	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/11/2015	NSVD	15.40	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/28/2015	NSVD	15.75	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/10/2016	NSVD	16.22	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/28/2016	NSVD	16.02	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/26/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/9/2017	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/13/2017	NSVD	16.44	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2017	NSVD	15.34	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2017	NSVD	15.62	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
TF-NW	3/14/2018	NSVD	15.73	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	NSVD	15.55	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	NSVD	15.12	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/16/2018	NSVD	14.79	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/4/2019	NSVD	14.99	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/12/2019	NSVD	15.65	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2019	NSVD	15.45	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
TF-SE	1/28/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	4/22/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	7/6/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/30/2011	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/27/2012	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/31/2012	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	8/24/2012	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/28/2012	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/29/2013	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/26/2013	NSVD	12.76	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/18/2013	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/17/2013	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/26/2014	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/17/2014	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/17/2014	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/18/2014	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	2/12/2015	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	5/12/2015	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/11/2015	NSVD	12.70	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/28/2015	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/10/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/28/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/26/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/13/2016	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/9/2017	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/13/2017	NSVD	12.81	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2017	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	12/22/2017	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

		Gauging Data					Analytical Data													
Sample ID	Date	Top of Casing Elevation (feet)	Depth to Water (feet)	Depth to Hydro-carbon (feet)	Hydro-carbon Thickness (feet)	Corrected GW Elevation (feet)	Benzene (µg/L)	Toluene (µg/L)	Ethyl-benzene (µg/L)	Total Xylenes (µg/L)	MTBE (µg/L)	TBA (µg/L)	TAME (µg/L)	ETBE (µg/L)	DIPE (µg/L)	Naph-thalene (µg/L)	TPH-DRO (mg/L)	TPH-GRO (mg/L)	Ethanol (µg/L)	Comments
TF-SE	3/14/2018	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/4/2018	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/6/2018	NSVD	12.97	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	11/16/2018	NSVD	11.85	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	3/4/2019	NSVD	12.01	ND	ND	NSVD	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	6/12/2019	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	
	9/4/2019	NSVD	DRY	DRY	DRY	DRY	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	

Table 1 (Continued)

Groundwater Monitoring & Analytical Data

Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
October 29, 2009 through September 4, 2019

Notes:

µg/L - micrograms per liter (µg/L)
GW - Groundwater
J - Indicates an estimated value
mg/L - milligram per liter (mg/L)
NA - Not analyzed
ND - Not detected
ND(5.0) - Not detected at or above the laboratory reporting limit, laboratory reporting limit included.
NM - Not monitored
NS - Not sampled
NSVD - Not surveyed to vertical datum

TABLE 2

REMEDIATION SYSTEM MONITORING & PERFORMANCE: SOIL VAPOR

Former Southside Facility #27235
1000 Forest Drive
Annapolis, MD

MONITORING DATA:

			Soil Vapor Extraction			Air Sparge					Hydrocarbon Mass Recovered (TPH >C_4-C_{10})						
Monitoring Date	Hour Meter Reading (Hours)	Operating Days Per SVE hours	Operating Wells	Air Flow (cfm)	SVE Blower Vacuum ("H_2O)	Hour Meter Reading (Hours)	Operating Days Per AS hours	Operating Wells	Total Pressure (psi)	Total Flow (scfm)	Beg. Conc. (mg/m^3)	End Conc. (mg/m^3)	Avg. Conc. (mg/m^3)	Recovery Rate (lbs/hr)	Recovery Rate (lbs/day)	Mass Recovered In Period (lbs)	Cumulative Recovery (lbs)
10/28/2015	4.24	0.0	VE-1, VE-5, VE-6 (dilution air 50%)	65	25						2,100	2,100	2,100	0.5	12.3	0.0	0
11/2/2015	9.10	0.2	VE-1, VE-5, VE-6 (dilution air 50%)	70	30						2,100	2,100	2,100	0.6	13.2	2.7	3
11/9/2015	176.68	7.4	VE-1, VE-5, VE-6 (dilution air 50%)	70	30						2,100	2,100	2,100	0.6	13.2	97.2	100
11/17/2015	369.5	8.0	VE-1, VE-5, VE-6 (dilution air 50%)	70	35						2,100	1,400	1,750	0.5	11.0	88.4	188
11/23/2015	514.58	6.0	VE-1, VE-5, VE-6 (dilution air 50%)	70	35						1,400	1,400	1,400	0.4	8.80	53.2	242
11/30/2015	678.31	6.8	VE-1, VE-5, VE-6 (dilution air 25%)	70	50						1,400	3,200	2,300	0.6	14.46	98.7	340
12/18/2015	1113.91	18.2	VE-1, VE-5, VE-6 (dilution air 25%)	70	50						3,200	3,200	3,200	0.8	20.12	365.3	705
12/28/2015	1353.06	10.0	VE-1, VE-5, VE-6 (dilution air 50%)	70	55						3,200	1,900	2,550	0.7	16.04	159.8	865
1/12/2016	1709.1	14.8	VE-1, VE-5, VE-6 (dilution air 30%)	60	95						1,900	2,500	2,500	0.6	13.48	199.9	1,065
2/10/2016	2019.35	12.9	VE-1, VE-5, VE-6 (dilution air 30%)	70	38						2,500	1,600	2,050	0.5	12.89	166.7	1,232
2/23/2016	2063.93	1.9	VE-1, VE-5, VE-6 (dilution air 30%)	63	NM						1,600	1,600	1,600	0.4	9.06	16.8	1,249
3/3/2016	2097.52	1.4	VE-1, VE-5, VE-6 (dilution air 30%)	63	NM						1,600	1,600	1,600	0.4	9.06	12.7	1,261
3/10/2016	2186.53	3.7	VE-1, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	70	100						1,600	2,800	2,200	0.6	13.84	51.3	1,313
3/15/2016	2256.76	2.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 15%)	60	115						2,800	2,800	2,800	0.6	15.09	44.2	1,357
3/28/2016	2434.72	7.4	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 15%)	60	NM						2,800	2,800	2,800	0.6	15.09	111.9	1,469
3/31/2016	2447.87	0.5	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	63	105						2,800	2,800	2,800	0.7	15.85	8.7	1,477
4/8/2016	2511.00	2.6	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	62	105						2,800	1,800	2,300	0.5	12.81	33.7	1,511
4/13/2016	2632.26	5.1	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	62	115						1,800	1,800	1,800	0.4	10.03	50.7	1,562
4/28/2016	2988.77	14.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 10%)	45	110						1,800	2,200	2,000	0.3	8.09	120.1	1,682
5/3/2016	3117.17	5.4	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 10%)	45	110	8.84	0	SP-1, SP-2, SP-7	5.0	1.2	2,200	2,400	2,300	0.4	9.30	49.7	1,732
5/11/2016	3162.96	1.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 10%)	50	85	25.15	0.7	SP-1, SP-2, SP-7	5.5	2.4	2,400	3,800	3,100	0.6	13.93	26.6	1,758
5/17/2016	3307.16	6.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 10%)	48	85	76.23	2.1	SP-1, SP-2, SP-6, SP-7	5.0	3.3	3,800	3,800	3,800	0.7	16.39	98.5	1,857
6/15/2016	4009.39	29.3	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 10%)	43	125	314.62	9.9	SP-1, SP-2, SP-4, SP-6, SP-7	5.0	NM	3,800	3,400	3,600	0.6	13.91	406.9	2,264
6/20/2016	4041.57	1.3	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 10%)	46	95	327.64	0.5	SP-1, SP-2, SP-4, SP-6, SP-7	5.0	2.6	3,400	3,400	3,400	0.6	14.05	18.8	2,282
6/28/2016	4228.42	7.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 15%)	47	85	391.95	2.7	SP-1, SP-2, SP-4, SP-6, SP-7	5.0	2.9	3,400	4,800	4,100	0.7	17.31	134.8	2,417
7/28/2016	4716.58	20.3	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 15%)	46	95	557.74	6.9	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	5.0	2.3	4,800	4,100	4,450	0.8	18.39	374.1	2,791
8/3/2016	4725.33	0.4	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 15%)	48	85	562.18	0.2	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	5.0	1.9	4,100	4,100	4,100	0.7	17.68	6.4	2,798
8/8/2016	4841.82	4.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	48	75	601.59	1.6	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	NM	NM	4,100	4,100	4,100	0.7	17.68	85.8	2,884
8/26/2016	5268.03	17.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	50	75	747.97	6.1	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	5.0	2.1	4,100	2,500	3,300	0.6	14.82	263.3	3,147
9/7/2016	5480.50	8.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	50	80	819.70	3.0	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	5.0	1.3	2,500	2,500	2,500	0.5	11.23	99.4	3,246
9/26/2016	5936.46	19.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	50	85	975.49	6.5	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	5.0	4.4	2,500	4,000	3,250	0.6	14.60	277.4	3,524
10/3/2016	6012.00	3.1	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	50	95	1002.85	1.1	SP-1, SP-2, SP-3, SP-4, SP-6, SP-7	5.0	4.2	4,000	4,000	4,000	0.7	17.97	56.6	3,580
10/31/2016	6684.61	28.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	50	100	1232.70	9.6	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	4.5	6.0	4,000	3,600	3,800	0.7	17.07	478.4	4,059
11/9/2016	6839.11	6.4	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	55	70	1284.88	2.2	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.3	3,600	3,600	3,600	0.7	17.79	114.5	4,173
11/29/2016	7314.74	19.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	52	70	1447.25	6.8	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	4.5	4.8	3,600	2,100	3,225	0.6	15.07	298.6	4,472
12/13/2016	7650.06	14.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	56	75	1563.28	4.8	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.5	2,100	2,100	2,100	0.4	10.57	147.6	4,619
12/27/2016	7948.26	12.4	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 50%)	55	85	1664.22	4.2	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.0	2,100	2,100	2,100	0.4	10.38	128.9	4,748
1/9/2017	8227.61	11.6	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	54	80	1759.64	4.0	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.0	2,100	2,800	2,450	0.5	11.89	138.4	4,887
1/25/2017	8579.54	14.7	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	58	80	1880.80	5.0	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.0	2,800	2,800	2,800	0.6	14.59	214.0	5,101
2/7/2017	8895.81	13.2	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	56	90	1990.27	4.6	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	7.7	2,800	2,300	2,550	0.5	12.83	169.1	5,270
2/27/2017	9309.51	17.2	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	58	95	2132.33	5.9	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.2	2,300	2,300	2,300	0.5	11.99	206.6	5,476
3/9/2017	9548.67	10.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	58	90	2216.92	3.5	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.5	2,300	2,300	2,300	0.5	11.99	119.4	5,596
3/23/2017	9788.68	10.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 30%)	58	100	2277.18	2.5	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.8	2,300	2,300	2,300	0.5	11.99	119.9	5,716
4/6/2017	10122.04	13.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	58	105	2412.28	5.6	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	6.1	2,300	1,600	1,950	0.4	10.16	141.1	5,857
4/18/2017	10416.06	12.3	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	58	110	2514.00	4.2	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	6.0	1,600	1,600	1,600	0.3	8.34	102.1	5,959
5/8/2017	10821.24	16.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	58	105	2651.63	5.7	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.1	1,600	1,800	1,700	0.4	8.86	149.6	6,108
6/2/2017	11415.74	24.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	58	105	2854.44	8.5	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.6	1,800	990	1,395	0.3	7.27	180.1	6,288
6/13/2017	11679.88	11.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	58	105	2944.52	3.8	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.6	990	1,100	1,000	0.2	5.21	57.4	6,346
6/28/2017	11833.66	6.4	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	50	100	2995.83	2.1	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	3.2	1,100	1,100	1,100	0.2	4.94	31.7	6,377
7/10/2017	11941.23	4.5	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3033.00	1.5	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.2	1,100	1,100	1,100	0.2	5.14	23.0	6,400
7/26/2017	11984.82	1.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3047.43	0.6	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	3.4	1,100	1,600	1,350	0.3	6.31	11.5	6,412
8/7/2017	12034.05	2.1	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3063.86	0.7	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.0	1,600	1,600	1,600	0.3	7.47	15.3	6,427
8/23/2017	12174.94	5.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3112.34	2.0	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	3.7	1,600	1,500	1,550	0.3	7.24	42.5	6,470
9/18/2017	12793.74	25.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3322.71	8.8	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.0	1,500	870	1,185	0.2	5.54	142.7	6,613
10/4/2017	13182.86	16.2	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3432.11	4.6	Sparge down upon departure			870	870	870	0.2	4.06	65.9	6,678
10/26/2017	13287.25	4.3	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3432.11	0.0	Sparge down due to faulty motor starter			870	1,900	1,385	0.3	6.47	28.1	6,707
11/8/2017	13547.49	10.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	3432.76	0.0	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.0	1,900	1,900	1,900	0.4	8.88	96.3	6,803
11/30/2017	14075.18	22.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3613.14	7.5	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.2	1,900	1,200	1,550	0.3	7.24	159.2	6,962
12/22/2017	14601.17	21.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3796.81	7.7	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	5.0	1,200	1,300	1,250	0.2	5.84	128.0	7,090
12/27/2017	14625.23	1.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3802.80	0.2	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	NM	NM	1,300	1,300	1,300	0.3	6.07	6.1	7,096
1/5/2018	14787.41	6.8	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3858.31	2.3	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	NM	NM	1,300	1,300	1,300	0.3	6.07	41.0	7,137
1/9/2018	14834.31	2.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3874.81	0.7	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	NM	NM	1,300	1,300	1,300	0.3	6.07	11.9	7,149
1/24/2018	15136.24	12.6	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	3978.12	7.3	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.4	1,300	1,000	1,150	0.2	5.37	67.6	7,217
2/7/2018	15470.89	13.9	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	4093.42	4.8	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.8	1,000	1,000	1,000	0.2	4.67	65.1	7,282
2/20/2018	15709.74	10.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	4175.50	3.4	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	4.6	1,000	390	695	0.1	3.25	32.3	7,314
3/5/2018	15952.00	10.1	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	4257.64	11.6	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	NM	NM	390	390	390	0.1	1.82	18.4	7,332
3/14/2018	16161.10	8.7	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	4330.02	3.0	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	5.0	3.7	390	80	235	0.05	1.10	9.6	7,342
3/30/2018	16544.92	16.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	100	4460.20	5.4	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-7	NM	NM	80	80	80	0.02	0.37	6.0	7,348
4/16/2018	16953.09	17.0	VE-1, VE-2, VE-3, VE-4, VE-5, VE-6, and VE-7 (dilution air 20%)	52	105	4585.75	5.2	SP-1, SP-2, SP-3, SP-4, SP-5, SP-6, SP-8	NM	NM	80	80	80	0.02	0.37	6.4	7,354

TABLE 2

REMEDIATION SYSTEM MONITORING & PERFORMANCE: SOIL VAPOR

Former Southside Facility #27235
1000 Forest Drive
Annapolis, MD

Monitoring Date	SVE Blower Effluent PID (ppm)	VGAC 1 Effluent PID (ppm)	VGAC 2 Effluent PID (ppm)	TPH >C4-C10 Discharge Rate (lbs/day)
10/28/2015	131	0.0	0.0	0.0
11/2/2015	156	0.0	0.0	0.0
11/9/2015	168	0.0	0.0	0.0
11/17/2015	91	0.0	0.0	0.0
11/23/2015	174	75	22	2.3
11/30/2015	252	76	45	4.7
12/18/2015	233	124	85	8.8
12/28/2015	245	77	68	7.1
1/12/2016	177	91	65	5.8
2/10/2016	158	202	180	18.7
2/23/2016	145	180	177	16.6
3/3/2016	138	118	113	10.6

Monitoring Date	SVE Blower Effluent PID (ppm)	Catalytic Oxidizer Effluent PID (ppm)	TPH >C4-C10 Discharge Rate (lbs/day)
3/10/2016	240	1.2	0.1
3/15/2016	385	1.1	0.1
3/31/2016	360	0.3	0.03
4/13/2016	286	0.2	0.02
4/28/02016	282	0.4	0.03
5/3/2016	264	0.4	0.03
6/15/2016	307	0.4	0.03
6/20/2016	376	0.3	0.02
6/28/2016	323	0.3	0.02
7/28/2016	591	12	0.80
8/3/2016	446	NM	NA
8/8/2016	287	6.4	0.46
8/26/2016	316	17.6	1.31
9/7/2016	326	17.3	1.29
9/26/2016	291	8.2	0.61
10/3/2016	268	6.1	0.45
10/31/2016	661	56.6	4.21
11/9/2016	271	20.3	1.66
11/29/2016	278	36.1	2.79
12/13/2016	283	27.6	2.30
12/27/2016	322	30.1	2.46
1/9/2017	477	NM	NA
1/25/2017	423	41.1	3.54
2/7/2017	562	38.6	3.21
2/27/2017	308	31.2	2.69
3/9/2017	228	29.4	2.53

Monitoring Date	SVE Blower Effluent PID (ppm)	Catalytic Oxidizer Effluent PID (ppm)	TPH >C4-C10 Discharge Rate (lbs/day)
3/27/2017	226	32.1	2.77
4/6/2017	192	29.6	2.55
4/18/2017	204	30.1	2.59
5/8/2017	253	55.7	4.80
6/2/2017	236	45.4	3.91
6/13/2017	203	34.6	2.98
6/28/2017	197	0.4	0.03
7/10/2017	203	1.2	0.09
7/26/2017	198	2.1	0.16
8/7/2017	386	1.1	0.09
8/23/2017	361	2.0	0.15
9/18/2017	337	1.8	0.14
10/4/2017	266	2.3	0.18
10/26/2017	251	12.1	0.94
11/30/2017	236	14.1	1.09
12/22/2017	281	19.4	1.50
1/5/2018	264	20.2	1.56
1/9/2018	258	19.1	1.48
1/24/2018	260	21.2	1.64
2/7/2018	244	22.2	1.72
2/20/2018	185	16.2	1.25
3/5/2018	200	17.2	1.33
3/14/2018	115	14.1	1.09
3/30/2018	116	11.2	0.87
4/16/2018	181	11.2	0.87

TABLE 2

REMEDIATION SYSTEM MONITORING & PERFORMANCE: SOIL VAPOR

Former Southside Facility #27235
1000 Forest Drive
Annapolis, MD

Compound	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air
	10/28/2015	11/17/2015	11/30/2015	12/28/2015	1/12/2016	2/10/2016	3/15/2016	4/8/2016	4/28/2016	5/3/2016	5/11/2016	6/15/2016	6/28/2016	7/28/2016	8/26/2016	9/26/2016	10/31/2016
Benzene	20	10	36	20	30	10	35	20	37	30	20	39	46	70	30	49	45
Toluene	30	40	130	65	110	30	170	85	240	190	140	240	240	350	170	260	270
Ethylbenzene	10	6	10	5	10	< 4	10	6	20	20	10	20	20	30	10	30	20
Total Xylenes	20	20	57	20	45	20	67	30	100	76	55	98	100	130	77	150	140
Total BTEX	80	76	233	110	195	60	282	141	397	316	225	397	406	580	287	489	475
TPH - C_1-C_4 (as methane)	1,200	430	840	350	380	190	340	290	150	220	950	340	440	420	160	210	170
TPH - >C_4-C_{10} (as pentane)	2,100	1,400	3,200	1,900	2,500	1,600	2,800	1,800	2,200	2,400	3,800	3,400	4,800	4,100	2,500	4,000	3,600

Compound	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air	SVE Effluent Grab Air
	11/29/2016	12/13/2016	1/9/2017	2/7/2017	3/9/2017	4/6/2017	5/8/2017	6/2/2017	6/13/2017	7/26/2017	8/23/2017	9/18/2017	10/26/2017	11/30/2017	12/22/2017	1/24/2018	2/20/0218
Benzene	35	30	42	30	20	20	20	10	10	10	20	8	10	10	10	9	3
Toluene	230	180	270	210	190	150	150	100	120	140	140	79	120	130	120	83	30
Ethylbenzene	20	10	20	20	20	10	10	10	10	10	10	8	10	10	10	6	< 4
Total Xylenes	120	83	100	110	190	76	110	80	100	120	120	71	94	89	91	53	20
Total BTEX	405	735	802	790	420	256	290	200	240	280	290	166	234	239	231	151	53
TPH - C_1-C_4 (as methane)	130	140	190	130	95	110	75	51	37	74	80	40	99	47	51	58	33
TPH - >C_4-C_{10} (as pentane)	2,400	2,100	2,800	2,300	1,700	1,600	1,800	990	1,100	1,600	1,500	870	1,900	1,200	1,300	1,000	390

Compound	SVE Effluent Grab Air
	3/14/2018
Benzene	< 3
Toluene	10
Ethylbenzene	< 4
Total Xylenes	20
Total BTEX	30
TPH - C_1-C_4 (as methane)	< 18
TPH - >C_4-C_{10} (as pentane)	80

Recovery Rate (lbs/hr) = Flow (cfm) x 0.0283 m^3/ft^3 x (1 lb/453.59 g) x (1 g/1000 mg) x TPH >C4-C10 concentration (mg/m^3) x (60 minutes/hour)

Recovery Rate (lbs/hr) x (Operating Hours) = Mass Recovered for period (lbs)

Discharge Rate (lbs/day) =Flow (cfm) x 0.0283 m^3/ft^3 x 1 mole/22.4 L x 86.18 g/mole hexane x 1 L/1000 mL x PID reading (calibrated to isobutylene) ml/m^3 x 4.3 (correction factor for hexane) x 1 lb/453.59 g x 1440 min/day

March 30, 2018 through April 16, 2018
Vapor Recovery Summary:

Total Days Operating	17
Total Days in Period	17
Percent Run Time	100%
Average Flow Rate this Period (cfm)	52
Mass Recovered this Period (lbs)	6

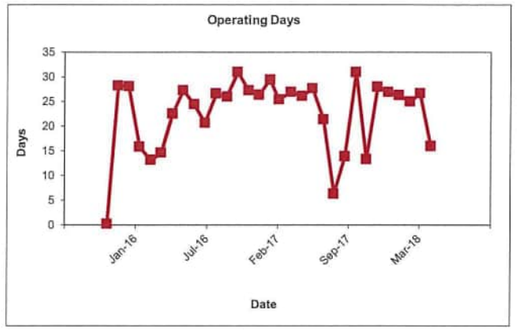
Notes:

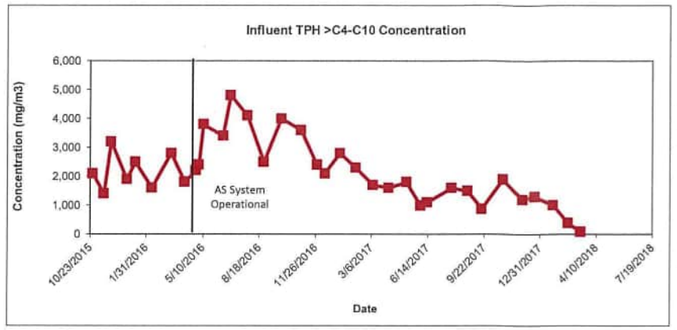
Operating days are from the last monitoring event of the previous month to last monitoring event of the current month.
PID = Photoionization detector
TPH = Total Petroluem Hydrocarbons
cfm = cubic feet per minute
mg / m^3 = milligrams per cubic meter
lbs = pounds
lbs / hr = pounds per hour
ppm = parts per million
NM = Not Measured

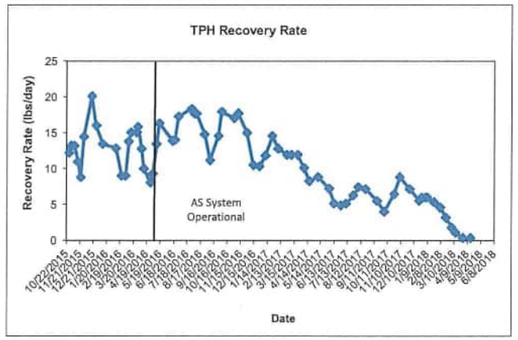
TABLE 2

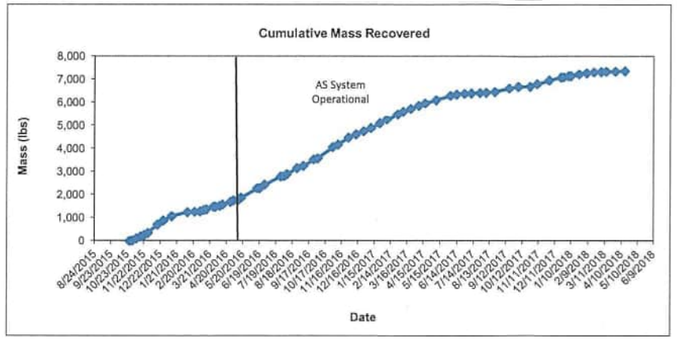
REMEDIATION SYSTEM MONITORING & PERFORMANCE: SOIL VAPOR

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1000 Forest Drive
Annapolis, MD









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APPENDIX A

Lancaster Analysis Report – Groundwater

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ANALYSIS REPORT

Prepared by:

Eurofins Lancaster Laboratories Environmental
2425 New Holland Pike
Lancaster, PA 17601

Prepared for:

Kleinfelder
550 West C Street, Suite 1200
San Diego CA 92101

Report Date: September 15, 2019 09:39

Project: Southside Oil 27235

Account #: 12152
Group Number: 2062372
PO Number: 113847.000A/29-5000
State of Sample Origin: MD

Electronic Copy To	Kleinfelder	Attn: Mark Steele
Electronic Copy To	Kleinfelder	Attn: Jennifer Kozak
Electronic Copy To	Kleinfelder	Attn: Brianne Witman

Respectfully Submitted,

Megan A. Moeller
Senior Specialist

(717) 556-7261

To view our laboratory's current scopes of accreditation please go to https://www.eurofinsus.com/environment-testing/laboratories/eurofins-lancaster-laboratories-environmental/certifications-and-accreditations-eurofins-lancaster-laboratories-environmental/ . Historical copies may be requested through your project manager.

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SAMPLE INFORMATION

Client Sample Description	Sample Collection Date/Time	ELLE#
MW-1 Grab Water	09/04/2019 09:35	1143328
MW-2 Grab Water	09/04/2019 10:15	1143329
MW-3 Grab Water	09/04/2019 11:20	1143330
MW-4 Grab Water	09/04/2019 11:50	1143331
MW-5 Grab Water	09/04/2019 08:35	1143332
MW-6 Grab Water	09/04/2019 09:00	1143333
MW-7 Grab Water	09/04/2019 08:15	1143334
MW-8 Grab Water	09/04/2019 10:50	1143335
MW-10 Grab Water	09/04/2019 12:25	1143336

The specific methodologies used in obtaining the enclosed analytical results are indicated on the Laboratory Sample Analysis Record.

Sample Description: **MW-1 Grab Water**
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: **Southside Oil 27235**

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 09:35

Kleinfelder
ELLE Sample #: **WW 1143328**
ELLE Group #: **2062372**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

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Analysis Report

Sample Description: MW-1 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 09:35

Kleinfelder
ELLE Sample #: WW 1143328
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
	Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.				
GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	**TPH-GRO water C6-C10**	n.a.	**0.44**	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192531AA	09/10/2019 11:54	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192531AA	09/10/2019 11:53	Corie Mellinger	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A53A	09/06/2019 21:54	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A53A	09/06/2019 21:53	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 01:08	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: MW-2 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 10:15

Kleinfelder
ELLE Sample #: WW 1143329
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	**di-Isopropyl ether**	108-20-3	**5**	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

Sample Description: MW-2 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 10:15

Kleinfelder
ELLE Sample #: WW 1143329
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.

Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.

GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192531AA	09/10/2019 12:17	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192531AA	09/10/2019 12:16	Corie Mellinger	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A53A	09/07/2019 03:33	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A53A	09/07/2019 03:32	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 01:31	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

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Sample Description: MW-3 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 11:20

Kleinfelder
ELLE Sample #: WW 1143330
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Acetone	67-64-1	< 400	400	20
10335	Acrolein	107-02-8	< 2,000	2,000	20
10335	Acrylonitrile	107-13-1	< 400	400	20
10335	t-Amyl methyl ether	994-05-8	< 20	20	20
10335	**Benzene**	71-43-2	**930**	20	20
10335	Bromodichloromethane	75-27-4	< 20	20	20
10335	Bromoform	75-25-2	< 100	100	20
10335	Bromomethane	74-83-9	< 20	20	20
10335	2-Butanone	78-93-3	< 200	200	20
10335	t-Butyl alcohol	75-65-0	< 500	500	20
10335	n-Butylbenzene	104-51-8	< 100	100	20
10335	sec-Butylbenzene	135-98-8	< 100	100	20
10335	Carbon Tetrachloride	56-23-5	< 20	20	20
10335	Chlorobenzene	108-90-7	< 20	20	20
10335	Chloroethane	75-00-3	< 20	20	20
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 200	200	20
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 20	20	20
10335	Chloromethane	74-87-3	< 20	20	20
10335	Dibromochloromethane	124-48-1	< 20	20	20
10335	1,2-Dichlorobenzene	95-50-1	< 100	100	20
10335	1,3-Dichlorobenzene	541-73-1	< 100	100	20
10335	1,4-Dichlorobenzene	106-46-7	< 100	100	20
10335	1,1-Dichloroethane	75-34-3	< 20	20	20
10335	1,2-Dichloroethane	107-06-2	< 100	100	20
10335	1,1-Dichloroethene	75-35-4	< 20	20	20
10335	cis-1,2-Dichloroethene	156-59-2	< 20	20	20
10335	trans-1,2-Dichloroethene	156-60-5	< 20	20	20
10335	1,2-Dichloropropane	78-87-5	< 20	20	20
10335	cis-1,3-Dichloropropene	10061-01-5	< 20	20	20
10335	trans-1,3-Dichloropropene	10061-02-6	< 20	20	20
10335	Ethanol	64-17-5	< 10,000	10,000	20
10335	Ethyl t-butyl ether	637-92-3	< 20	20	20
10335	**Ethylbenzene**	100-41-4	**1,300**	20	20
10335	**di-Isopropyl ether**	108-20-3	**2,100**	20	20
10335	Isopropylbenzene	98-82-8	< 100	100	20
10335	p-Isopropyltoluene	99-87-6	< 100	100	20
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 20	20	20
10335	Methylene Chloride	75-09-2	< 20	20	20
10335	**Naphthalene**	91-20-3	**1,100**	200	20
10335	**n-Propylbenzene**	103-65-1	**210**	100	20
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 20	20	20
10335	Tetrachloroethene	127-18-4	< 20	20	20
10335	**Toluene**	108-88-3	**17,000**	200	200
10335	1,1,1-Trichloroethane	71-55-6	< 20	20	20
10335	1,1,2-Trichloroethane	79-00-5	< 20	20	20
10335	Trichloroethene	79-01-6	< 20	20	20

Sample Description: MW-3 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 11:20

Kleinfelder
ELLE Sample #: WW 1143330
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Trichlorofluoromethane	75-69-4	< 20	20	20
10335	**1,2,4-Trimethylbenzene**	95-63-6	**2,900**	100	20
10335	**1,3,5-Trimethylbenzene**	108-67-8	**630**	100	20
10335	Vinyl Chloride	75-01-4	< 20	20	20
10335	**Xylene (Total)**	1330-20-7	**12,000**	100	20

2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.

Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.

GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	**TPH-GRO water C6-C10**	n.a.	**77**	5.0	100
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	**DRO C10-C28**	n.a.	**17**	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192531AA	09/10/2019 18:21	Corie Mellinger	20
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192531AA	09/10/2019 18:44	Corie Mellinger	200
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192531AA	09/10/2019 18:20	Corie Mellinger	20
01163	GC/MS VOA Water Prep	SW-846 5030B	2	4192531AA	09/10/2019 18:43	Corie Mellinger	200
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A53A	09/07/2019 03:58	Marie D Beamenderfer	100
01146	GC VOA Water Prep	SW-846 5030B	1	19249A53A	09/07/2019 03:57	Marie D Beamenderfer	100
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 01:55	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: MW-4 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 11:50

Kleinfelder
ELLE Sample #: WW 1143331
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

Sample Description: **MW-4 Grab Water**
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: **Southside Oil 27235**

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 11:50

Kleinfelder
ELLE Sample #: **WW 1143331**
ELLE Group #: **2062372**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.

Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.

GC Volatiles	**SW-846 8015B**		**mg/l**	**mg/l**	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		**mg/l**	**mg/l**	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192531AA	09/10/2019 12:39	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192531AA	09/10/2019 12:38	Corie Mellinger	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A53A	09/06/2019 22:47	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A53A	09/06/2019 22:46	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 02:19	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: **MW-5 Grab Water**
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: **Southside Oil 27235**

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 08:35

Kleinfelder
ELLE Sample #: **WW 1143332**
ELLE Group #: **2062372**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	**t-Butyl alcohol**	75-65-0	**80**	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	**di-Isopropyl ether**	108-20-3	**3**	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	**Methyl Tertiary Butyl Ether**	1634-04-4	**2**	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

Sample Description: MW-5 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 08:35

Kleinfelder
ELLE Sample #: WW 1143332
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1
	Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.				
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192542AA	09/12/2019 04:40	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192542AA	09/12/2019 04:39	Don V Viray	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A53A	09/06/2019 23:13	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A53A	09/06/2019 23:12	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 02:42	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: **MW-6 Grab Water**
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: **Southside Oil 27235**

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 09:00

Kleinfelder
ELLE Sample #: **WW 1143333**
ELLE Group #: **2062372**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

Sample Description: MW-6 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 09:00

Kleinfelder
ELLE Sample #: WW 1143333
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1
	Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.				
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192542AA	09/12/2019 05:02	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192542AA	09/12/2019 05:01	Don V Viray	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A53A	09/06/2019 23:38	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A53A	09/06/2019 23:37	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 03:06	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: MW-7 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 08:15

Kleinfelder
ELLE Sample #: WW 1143334
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

Sample Description: MW-7 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 08:15

Kleinfelder
ELLE Sample #: WW 1143334
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1
	Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.				
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192542AA	09/12/2019 05:25	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192542AA	09/12/2019 05:24	Don V Viray	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A94A	09/06/2019 21:44	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A94A	09/06/2019 21:43	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 03:29	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: **MW-8 Grab Water**
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: **Southside Oil 27235**

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 10:50

Kleinfelder
ELLE Sample #: **WW 1143335**
ELLE Group #: **2062372**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	**Benzene**	71-43-2	**950**	10	10
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	**t-Butyl alcohol**	75-65-0	**140**	25	1
10335	**n-Butylbenzene**	104-51-8	**8**	5	1
10335	**sec-Butylbenzene**	135-98-8	**7**	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	**Ethylbenzene**	100-41-4	**430**	10	10
10335	**di-Isopropyl ether**	108-20-3	**1,100**	10	10
10335	**Isopropylbenzene**	98-82-8	**40**	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	**Methyl Tertiary Butyl Ether**	1634-04-4	**2**	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	**Naphthalene**	91-20-3	**100**	10	1
10335	**n-Propylbenzene**	103-65-1	**110**	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	**Toluene**	108-88-3	**650**	10	10
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1

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Analysis Report

Sample Description: MW-8 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 10:50

Kleinfelder
ELLE Sample #: WW 1143335
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1
10335	**1,2,4-Trimethylbenzene**	95-63-6	**530**	50	10
10335	**1,3,5-Trimethylbenzene**	108-67-8	**100**	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	**Xylene (Total)**	1330-20-7	**770**	50	10
GC Volatiles	**SW-846 8015B**		mg/l	mg/l	
01635	**TPH-GRO water C6-C10**	n.a.	**11**	0.25	5
GC Petroleum Hydrocarbons	**SW-846 8015B**		mg/l	mg/l	
12858	**DRO C10-C28**	n.a.	**1.3**	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192542AA	09/12/2019 06:11	Don V Viray	10
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	Y192561AA	09/13/2019 13:21	Corie Mellinger	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192542AA	09/12/2019 06:10	Don V Viray	10
01163	GC/MS VOA Water Prep	SW-846 5030B	2	Y192561AA	09/13/2019 13:20	Corie Mellinger	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A94A	09/06/2019 22:35	Marie D Beamenderfer	5
01146	GC VOA Water Prep	SW-846 5030B	1	19249A94A	09/06/2019 22:34	Marie D Beamenderfer	5
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 03:53	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

Sample Description: MW-10 Grab Water
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: Southside Oil 27235

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 12:25

Kleinfelder
ELLE Sample #: WW 1143336
ELLE Group #: 2062372
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		ug/l	ug/l	
10335	Acetone	67-64-1	< 20	20	1
10335	Acrolein	107-02-8	< 100	100	1
10335	Acrylonitrile	107-13-1	< 20	20	1
10335	t-Amyl methyl ether	994-05-8	< 1	1	1
10335	Benzene	71-43-2	< 1	1	1
10335	Bromodichloromethane	75-27-4	< 1	1	1
10335	Bromoform	75-25-2	< 5	5	1
10335	Bromomethane	74-83-9	< 1	1	1
10335	2-Butanone	78-93-3	< 10	10	1
10335	t-Butyl alcohol	75-65-0	< 25	25	1
10335	n-Butylbenzene	104-51-8	< 5	5	1
10335	sec-Butylbenzene	135-98-8	< 5	5	1
10335	Carbon Tetrachloride	56-23-5	< 1	1	1
10335	Chlorobenzene	108-90-7	< 1	1	1
10335	Chloroethane	75-00-3	< 1	1	1
10335	2-Chloroethyl Vinyl Ether	110-75-8	< 10	10	1
	2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.				
10335	Chloroform	67-66-3	< 1	1	1
10335	Chloromethane	74-87-3	< 1	1	1
10335	Dibromochloromethane	124-48-1	< 1	1	1
10335	1,2-Dichlorobenzene	95-50-1	< 5	5	1
10335	1,3-Dichlorobenzene	541-73-1	< 5	5	1
10335	1,4-Dichlorobenzene	106-46-7	< 5	5	1
10335	1,1-Dichloroethane	75-34-3	< 1	1	1
10335	1,2-Dichloroethane	107-06-2	< 5	5	1
10335	1,1-Dichloroethene	75-35-4	< 1	1	1
10335	cis-1,2-Dichloroethene	156-59-2	< 1	1	1
10335	trans-1,2-Dichloroethene	156-60-5	< 1	1	1
10335	1,2-Dichloropropane	78-87-5	< 1	1	1
10335	cis-1,3-Dichloropropene	10061-01-5	< 1	1	1
10335	trans-1,3-Dichloropropene	10061-02-6	< 1	1	1
10335	Ethanol	64-17-5	< 500	500	1
10335	Ethyl t-butyl ether	637-92-3	< 1	1	1
10335	Ethylbenzene	100-41-4	< 1	1	1
10335	di-Isopropyl ether	108-20-3	< 1	1	1
10335	Isopropylbenzene	98-82-8	< 5	5	1
10335	p-Isopropyltoluene	99-87-6	< 5	5	1
10335	Methyl Tertiary Butyl Ether	1634-04-4	< 1	1	1
10335	Methylene Chloride	75-09-2	< 1	1	1
10335	Naphthalene	91-20-3	< 10	10	1
10335	n-Propylbenzene	103-65-1	< 5	5	1
10335	1,1,2,2-Tetrachloroethane	79-34-5	< 1	1	1
10335	Tetrachloroethene	127-18-4	< 1	1	1
10335	Toluene	108-88-3	< 1	1	1
10335	1,1,1-Trichloroethane	71-55-6	< 1	1	1
10335	1,1,2-Trichloroethane	79-00-5	< 1	1	1
10335	Trichloroethene	79-01-6	< 1	1	1
10335	Trichlorofluoromethane	75-69-4	< 1	1	1

Sample Description: **MW-10 Grab Water**
1000 Forest Drive - Annapolis, MD
Southside Oil 27235

Project Name: **Southside Oil 27235**

Submittal Date/Time: 09/04/2019 18:35
Collection Date/Time: 09/04/2019 12:25

Kleinfelder
ELLE Sample #: **WW 1143336**
ELLE Group #: **2062372**
Matrix: Water

CAT No.	Analysis Name	CAS Number	Result	Limit of Quantitation	Dilution Factor
GC/MS Volatiles	**SW-846 8260B**		**ug/l**	**ug/l**	
10335	1,2,4-Trimethylbenzene	95-63-6	< 5	5	1
10335	1,3,5-Trimethylbenzene	108-67-8	< 5	5	1
10335	Vinyl Chloride	75-01-4	< 1	1	1
10335	Xylene (Total)	1330-20-7	< 5	5	1

Preservation requirements were not met. The sample was received at pH <2 which is not the preservation specified for acrolein or acrylonitrile under the referenced method. The preservation criteria is pH of 4-5.

2-Chloroethyl vinyl ether may not be recovered since acid was used to preserve this sample.

GC Volatiles	**SW-846 8015B**		**mg/l**	**mg/l**	
01635	TPH-GRO water C6-C10	n.a.	< 0.050	0.050	1
GC Petroleum Hydrocarbons	**SW-846 8015B**		**mg/l**	**mg/l**	
12858	DRO C10-C28	n.a.	< 0.10	0.10	1

Laboratory Sample Analysis Record

CAT No.	Analysis Name	Method	Trial#	Batch#	Analysis Date and Time	Analyst	Dilution Factor
10335	VOC 8260 Kleinfelder Full+EtOH	SW-846 8260B	1	4192542AA	09/12/2019 05:48	Don V Viray	1
01163	GC/MS VOA Water Prep	SW-846 5030B	1	4192542AA	09/12/2019 05:47	Don V Viray	1
01635	TPH-GRO water C6-C10	SW-846 8015B	1	19249A94A	09/06/2019 22:09	Marie D Beamenderfer	1
01146	GC VOA Water Prep	SW-846 5030B	1	19249A94A	09/06/2019 22:08	Marie D Beamenderfer	1
12858	TPH-DRO water C10-C28	SW-846 8015B	1	192490004A	09/10/2019 04:16	Heather E Williams	1
12059	Microextraction - DRO (waters)	SW-846 3511 Rev 1, July 2014	1	192490004A	09/07/2019 05:10	Maria Davenport	1

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

Matrix QC may not be reported if insufficient sample or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD was performed, unless otherwise specified in the method.

All Inorganic Initial Calibration and Continuing Calibration Blanks met acceptable method criteria unless otherwise noted on the Analysis Report.

Method Blank

Analysis Name	Result	LOQ
	ug/l	ug/l
Batch number: 4192531AA	Sample number(s): 1143328-1143331	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 5	5
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 25	25
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 5	5
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethanol	< 500	500
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 1	1
Naphthalene	< 10	10

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

Method Blank (continued)

Analysis Name	Result	LOQ
	ug/l	ug/l
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 3	3
Batch number: 4192542AA	Sample number(s): 1143332-1143336	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Benzene	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 5	5
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 25	25
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 5	5
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethanol	< 500	500

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

Method Blank (continued)

Analysis Name	Result	LOQ
	ug/l	ug/l
Ethyl t-butyl ether	< 1	1
Ethylbenzene	< 1	1
di-Isopropyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 1	1
Naphthalene	< 10	10
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1
Toluene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,2,4-Trimethylbenzene	< 5	5
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
Xylene (Total)	< 5	5
Batch number: Y192561AA	Sample number(s): 1143335	
Acetone	< 20	20
Acrolein	< 100	100
Acrylonitrile	< 20	20
t-Amyl methyl ether	< 1	1
Bromodichloromethane	< 1	1
Bromoform	< 5	5
Bromomethane	< 1	1
2-Butanone	< 10	10
t-Butyl alcohol	< 25	25
n-Butylbenzene	< 5	5
sec-Butylbenzene	< 5	5
Carbon Tetrachloride	< 1	1
Chlorobenzene	< 1	1
Chloroethane	< 1	1
2-Chloroethyl Vinyl Ether	< 10	10
Chloroform	< 1	1
Chloromethane	< 1	1
Dibromochloromethane	< 1	1
1,2-Dichlorobenzene	< 5	5
1,3-Dichlorobenzene	< 5	5
1,4-Dichlorobenzene	< 5	5
1,1-Dichloroethane	< 1	1
1,2-Dichloroethane	< 5	5

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

Method Blank (continued)

Analysis Name	Result	LOQ
	ug/l	ug/l
1,1-Dichloroethene	< 1	1
cis-1,2-Dichloroethene	< 1	1
trans-1,2-Dichloroethene	< 1	1
1,2-Dichloropropane	< 1	1
cis-1,3-Dichloropropene	< 1	1
trans-1,3-Dichloropropene	< 1	1
Ethanol	< 500	500
Ethyl t-butyl ether	< 1	1
Isopropylbenzene	< 5	5
p-Isopropyltoluene	< 5	5
Methyl Tertiary Butyl Ether	< 1	1
Methylene Chloride	< 1	1
Naphthalene	< 10	10
n-Propylbenzene	< 5	5
1,1,2,2-Tetrachloroethane	< 1	1
Tetrachloroethene	< 1	1
1,1,1-Trichloroethane	< 1	1
1,1,2-Trichloroethane	< 1	1
Trichloroethene	< 1	1
Trichlorofluoromethane	< 1	1
1,3,5-Trimethylbenzene	< 5	5
Vinyl Chloride	< 1	1
	mg/l	mg/l
Batch number: 19249A53A	Sample number(s): 1143328-1143333	
TPH-GRO water C6-C10	< 0.050	0.050
Batch number: 19249A94A	Sample number(s): 1143334-1143336	
TPH-GRO water C6-C10	< 0.050	0.050
Batch number: 192490004A	Sample number(s): 1143328-1143336	
DRO C10-C28	< 0.10	0.10

LCS/LCSD

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Batch number: 4192531AA	Sample number(s): 1143328-1143331								
Acetone	150	190.94	150	243.41	127	162*	54-157	24	30
Acrolein	150	157	150	151.16	105	101	47-136	4	30
Acrylonitrile	100	91.03	100	92.29	91	92	60-129	1	30
t-Amyl methyl ether	20	15.92	20	16.22	80	81	66-120	2	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Benzene	20	20.18	20	20.19	101	101	80-120	0	30
Bromodichloromethane	20	16.84	20	16.77	84	84	71-120	0	30
Bromoform	20	13.24	20	13.24	66	66	51-120	0	30
Bromomethane	20	15.01	20	14.81	75	74	53-128	1	30
2-Butanone	150	135.3	150	150.45	90	100	59-135	11	30
t-Butyl alcohol	200	192.2	200	189.99	96	95	60-130	1	30
n-Butylbenzene	20	21.04	20	20.57	105	103	76-120	2	30
sec-Butylbenzene	20	20.5	20	20.42	103	102	77-120	0	30
Carbon Tetrachloride	20	16.6	20	16.63	83	83	64-134	0	30
Chlorobenzene	20	20.78	20	20.67	104	103	80-120	1	30
Chloroethane	20	16.82	20	16.89	84	84	55-123	0	30
2-Chloroethyl Vinyl Ether	20	16.83	20	17.06	84	85	49-124	1	30
Chloroform	20	19.27	20	19.05	96	95	80-120	1	30
Chloromethane	20	16.66	20	16.95	83	85	56-121	2	30
Dibromochloromethane	20	16.42	20	16.01	82	80	71-120	3	30
1,2-Dichlorobenzene	20	20.34	20	19.9	102	99	80-120	2	30
1,3-Dichlorobenzene	20	19.99	20	19.75	100	99	80-120	1	30
1,4-Dichlorobenzene	20	20.73	20	20.23	104	101	80-120	2	30
1,1-Dichloroethane	20	20.06	20	19.96	100	100	80-120	1	30
1,2-Dichloroethane	20	19.8	20	19.49	99	97	73-124	2	30
1,1-Dichloroethene	20	19.92	20	19.96	100	100	80-131	0	30
cis-1,2-Dichloroethene	20	20.56	20	20.71	103	104	80-125	1	30
trans-1,2-Dichloroethene	20	19.89	20	19.78	99	99	80-126	1	30
1,2-Dichloropropane	20	20.97	20	20.89	105	104	80-120	0	30
cis-1,3-Dichloropropene	20	17.29	20	17.32	86	87	75-120	0	30
trans-1,3-Dichloropropene	20	17.24	20	17.16	86	86	67-120	0	30
Ethanol	500	573.95	500	535.42	115	107	31-180	7	30
Ethyl t-butyl ether	20	16.13	20	16.25	81	81	68-121	1	30
Ethylbenzene	20	20.12	20	20.1	101	100	80-120	0	30
di-Isopropyl ether	20	18.37	20	18.6	92	93	70-124	1	30
Isopropylbenzene	20	18.82	20	18.99	94	95	80-120	1	30
p-Isopropyltoluene	20	19.55	20	19.48	98	97	76-120	0	30
Methyl Tertiary Butyl Ether	20	17.54	20	17.26	88	86	69-122	2	30
Methylene Chloride	20	20.67	20	20.77	103	104	80-120	0	30
Naphthalene	20	17.97	20	17.82	90	89	53-124	1	30
n-Propylbenzene	20	22.13	20	21.85	111	109	79-121	1	30
1,1,2,2-Tetrachloroethane	20	22.16	20	21.79	111	109	72-120	2	30
Tetrachloroethene	20	18.88	20	19.3	94	96	80-120	2	30
Toluene	20	20.56	20	20.58	103	103	80-120	0	30
1,1,1-Trichloroethane	20	17.44	20	17.6	87	88	67-126	1	30
1,1,2-Trichloroethane	20	21.56	20	21.05	108	105	80-120	2	30
Trichloroethene	20	19.45	20	19.22	97	96	80-120	1	30
Trichlorofluoromethane	20	14.53	20	14.64	73	73	55-135	1	30
1,2,4-Trimethylbenzene	20	20.5	20	20.19	102	101	75-120	2	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
1,3,5-Trimethylbenzene	20	20.32	20	20.16	102	101	75-120	1	30
Vinyl Chloride	20	16.33	20	16.78	82	84	56-120	3	30
Xylene (Total)	60	58.75	60	58.33	98	97	80-120	1	30
Batch number: 4192542AA	Sample number(s): 1143332-1143336								
Acetone	150	150.48			100		54-157		
Acrolein	150	128.5			86		47-136		
Acrylonitrile	100	85.19			85		60-129		
t-Amyl methyl ether	20	15.72			79		66-120		
Benzene	20	19.21			96		80-120		
Bromodichloromethane	20	16.17			81		71-120		
Bromoform	20	13.4			67		51-120		
Bromomethane	20	12.98			65		53-128		
2-Butanone	150	119.15			79		59-135		
t-Butyl alcohol	200	170.78			85		60-130		
n-Butylbenzene	20	19.33			97		76-120		
sec-Butylbenzene	20	19.49			97		77-120		
Carbon Tetrachloride	20	15.43			77		64-134		
Chlorobenzene	20	19.92			100		80-120		
Chloroethane	20	14.9			74		55-123		
2-Chloroethyl Vinyl Ether	20	15.63			78		49-124		
Chloroform	20	17.9			89		80-120		
Chloromethane	20	14.11			71		56-121		
Dibromochloromethane	20	16.19			81		71-120		
1,2-Dichlorobenzene	20	19.51			98		80-120		
1,3-Dichlorobenzene	20	19.2			96		80-120		
1,4-Dichlorobenzene	20	19.58			98		80-120		
1,1-Dichloroethane	20	19.18			96		80-120		
1,2-Dichloroethane	20	17.54			88		73-124		
1,1-Dichloroethene	20	20.27			101		80-131		
cis-1,2-Dichloroethene	20	19.96			100		80-125		
trans-1,2-Dichloroethene	20	19.29			96		80-126		
1,2-Dichloropropane	20	19.82			99		80-120		
cis-1,3-Dichloropropene	20	16.9			84		75-120		
trans-1,3-Dichloropropene	20	17.02			85		67-120		
Ethanol	500	439.65			88		31-180		
Ethyl t-butyl ether	20	15.93			80		68-121		
Ethylbenzene	20	19.2			96		80-120		
di-Isopropyl ether	20	17.62			88		70-124		
Isopropylbenzene	20	18.35			92		80-120		
p-Isopropyltoluene	20	18.63			93		76-120		
Methyl Tertiary Butyl Ether	20	17.01			85		69-122		
Methylene Chloride	20	20.61			103		80-120		
Naphthalene	20	18.16			91		53-124		

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
n-Propylbenzene	20	20.73			104		79-121		
1,1,2,2-Tetrachloroethane	20	20.94			105		72-120		
Tetrachloroethene	20	18.71			94		80-120		
Toluene	20	19.87			99		80-120		
1,1,1-Trichloroethane	20	16.47			82		67-126		
1,1,2-Trichloroethane	20	20.6			103		80-120		
Trichloroethene	20	18.42			92		80-120		
Trichlorofluoromethane	20	12.41			62		55-135		
1,2,4-Trimethylbenzene	20	19.33			97		75-120		
1,3,5-Trimethylbenzene	20	19.46			97		75-120		
Vinyl Chloride	20	14.3			71		56-120		
Xylene (Total)	60	56.81			95		80-120		
Batch number: Y192561AA	Sample number(s): 1143335								
Acetone	150	196.38	150	220.45	131	147	54-157	12	30
Acrolein	150	168.13	150	151.85	112	101	47-136	10	30
Acrylonitrile	100	99.21	100	97.39	99	97	60-129	2	30
t-Amyl methyl ether	20	19.54	20	18.84	98	94	66-120	4	30
Bromodichloromethane	20	21	20	19.94	105	100	71-120	5	30
Bromoform	20	17.45	20	16.78	87	84	51-120	4	30
Bromomethane	20	15.7	20	15.3	78	77	53-128	3	30
2-Butanone	150	149.35	150	158.44	100	106	59-135	6	30
t-Butyl alcohol	200	220.05	200	201.73	110	101	60-130	9	30
n-Butylbenzene	20	22.42	20	21.23	112	106	76-120	5	30
sec-Butylbenzene	20	21.97	20	20.91	110	105	77-120	5	30
Carbon Tetrachloride	20	20.3	20	19.35	102	97	64-134	5	30
Chlorobenzene	20	22.24	20	21.02	111	105	80-120	6	30
Chloroethane	20	17.41	20	16.4	87	82	55-123	6	30
2-Chloroethyl Vinyl Ether	20	20.68	20	19.96	103	100	49-124	4	30
Chloroform	20	21.84	20	20.69	109	103	80-120	5	30
Chloromethane	20	17.51	20	16.55	88	83	56-121	6	30
Dibromochloromethane	20	19.27	20	18.23	96	91	71-120	6	30
1,2-Dichlorobenzene	20	22.32	20	21.24	112	106	80-120	5	30
1,3-Dichlorobenzene	20	22.01	20	21.05	110	105	80-120	4	30
1,4-Dichlorobenzene	20	22.44	20	21.38	112	107	80-120	5	30
1,1-Dichloroethane	20	21.2	20	20.14	106	101	80-120	5	30
1,2-Dichloroethane	20	22.2	20	20.78	111	104	73-124	7	30
1,1-Dichloroethene	20	21.27	20	20.15	106	101	80-131	5	30
cis-1,2-Dichloroethene	20	22.89	20	21.64	114	108	80-125	6	30
trans-1,2-Dichloroethene	20	21.39	20	20.49	107	102	80-126	4	30
1,2-Dichloropropane	20	22.3	20	21.27	112	106	80-120	5	30
cis-1,3-Dichloropropene	20	21.15	20	20.2	106	101	75-120	5	30
trans-1,3-Dichloropropene	20	20.37	20	19.16	102	96	67-120	6	30
Ethanol	500	556.34	500	559.32	111	112	31-180	1	30

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

LCS/LCSD (continued)

Analysis Name	LCS Spike Added ug/l	LCS Conc ug/l	LCSD Spike Added ug/l	LCSD Conc ug/l	LCS %REC	LCSD %REC	LCS/LCSD Limits	RPD	RPD Max
Ethyl t-butyl ether	20	19.07	20	18.44	95	92	68-121	3	30
Isopropylbenzene	20	22.01	20	20.9	110	104	80-120	5	30
p-Isopropyltoluene	20	22.15	20	21.14	111	106	76-120	5	30
Methyl Tertiary Butyl Ether	20	19.36	20	18.74	97	94	69-122	3	30
Methylene Chloride	20	22.34	20	21.02	112	105	80-120	6	30
Naphthalene	20	21.26	20	20.51	106	103	53-124	4	30
n-Propylbenzene	20	22.43	20	21.34	112	107	79-121	5	30
1,1,2,2-Tetrachloroethane	20	21.65	20	20.77	108	104	72-120	4	30
Tetrachloroethene	20	21.44	20	20.18	107	101	80-120	6	30
1,1,1-Trichloroethane	20	20.83	20	20.03	104	100	67-126	4	30
1,1,2-Trichloroethane	20	22.71	20	21.51	114	108	80-120	5	30
Trichloroethene	20	21.46	20	20.37	107	102	80-120	5	30
Trichlorofluoromethane	20	16.28	20	15.04	81	75	55-135	8	30
1,3,5-Trimethylbenzene	20	21.8	20	20.84	109	104	75-120	5	30
Vinyl Chloride	20	17.92	20	16.94	90	85	56-120	6	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 19249A53A	Sample number(s): 1143328-1143333								
TPH-GRO water C6-C10	1.10	0.953	1.10	0.941	87	86	70-123	1	30
Batch number: 19249A94A	Sample number(s): 1143334-1143336								
TPH-GRO water C6-C10	1.10	1.03	1.10	1.02	94	93	70-123	1	30
	mg/l	**mg/l**	**mg/l**	**mg/l**					
Batch number: 192490004A	Sample number(s): 1143328-1143336								
DRO C10-C28	2.68	2.51	2.67	2.49	94	93	27-118	1	20

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: 4192531AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1143328	100	105	105	94
1143329	100	105	105	94
1143330	93	103	103	97
1143331	101	105	105	94
Blank	96	102	105	95
LCS	95	103	106	99
LCSD	95	101	105	100

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

Surrogate Quality Control

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: 4192531AA

Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: 4192542AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1143332	98	104	104	93
1143333	100	106	104	93
1143334	98	100	105	92
1143336	99	104	104	93
Blank	95	102	104	94
LCS	94	103	105	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: VOC 8260 Kleinfelder Full+EtOH
Batch number: Y192561AA

	Dibromofluoromethane	1,2-Dichloroethane-d4	Toluene-d8	4-Bromofluorobenzene
1143335	95	101	98	100
Blank	96	101	100	96
LCS	99	99	101	99
LCSD	99	99	100	98
Limits:	80-120	80-120	80-120	80-120

Analysis Name: TPH-GRO water C6-C10
Batch number: 19249A53A

	Trifluorotoluene-F
1143328	96
1143329	78
1143330	75
1143331	84
1143332	82
1143333	76
Blank	74
LCS	88
LCSD	90
Limits:	63-135

Analysis Name: TPH-GRO water C6-C10
Batch number: 19249A94A

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

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Quality Control Summary

Client Name: Kleinfelder
Reported: 09/15/2019 09:39

Group Number: 2062372

Surrogate Quality Control (continued)

Surrogate recoveries which are outside of the QC window are confirmed unless attributed to dilution or otherwise noted on the Analysis Report.

Analysis Name: TPH-GRO water C6-C10
Batch number: 19249A94A

	Trifluorotoluene-F
1143334	75
1143335	90
1143336	75
Blank	75
LCS	89
LCSD	89
Limits:	63-135

Analysis Name: TPH-DRO water C10-C28
Batch number: 192490004A

	Orthoterphenyl
1143328	85
1143329	93
1143330	87
1143331	92
1143332	72
1143333	95
1143334	97
1143335	100
1143336	99
Blank	100
LCS	94
LCSD	96
Limits:	62-128

*- Outside of specification
(1) The result for one or both determinations was less than five times the LOQ.
(2) The unspiked result was more than four times the spike added.

Lancaster Laboratories

Analysis Request/Environmental Services Chain of Custody

For Lancaster Laboratories use only Acct. #: 12152

Group #: 2062372 Sample #: 1143328-37

Client:	Southside Oil	Acct. #:	
Project Name/#:	27235/ Annapolis	PWSID #:	
Project Address:	1000 Forest Drive, Annapolis, MD		
Project Manager:	Mark C. Steele	P.O. #:	113847.000A/29-5000
Sampler:	Sean Powell	Quote #:	
Name of State where samples were collected:	Maryland		

Sample Identification	Date Collected	Time Collected	Grab	Composite	Matrix: Soil	Matrix: Potable	Matrix: NPDES	Matrix: Water	Matrix: Other	Total # of Containers	Full List VOC+oxy8260 (H)	TPH-GRO (8015) (H)	TPH-DRO 8015 (H)	Ethanol (8260) (H)	Remarks
MW-1	9/4/19	0935	X					X		8	X	X	X	X	
MW-2		1015	X					X		8	X	X	X	X	
MW-3		1120	X					X		8	X	X	X	X	
MW-4		1150	X					X		8	X	X	X	X	
MW-5		0835	X					X		8	X	X	X	X	
MW-6		0900	X					X		8	X	X	X	X	
MW-7		0815	X					X		8	X	X	X	X	
MW-8		1050	X					X		8	X	X	X	X	
~~MW-9~~			~~X~~					~~X~~			~~X~~	~~X~~	~~X~~	~~X~~	
MW-10	9/4/19	1225	X					X			X	X	X	X	

Analyses Requested / Preservation Codes

For Lab Use Only
FSC:
SCR#:

Preservation Codes: H=HCl T=Thiosulfate N=HNO3 B=NaOH S=H2SO4 O=Other

Temperature of samples upon receipt (if requested)

Turnaround Time Requested (TAT) (please circle): (Normal) Rush
(Rush TAT is subject to Lancaster Laboratories approval and surcharge.)

Date results are needed:

Rush results requested by (please circle): Phone Fax E-mail

Phone #: Fax #:

E-mail address:

Relinquished by:	Date	Time	Received by:	Date	Time
	9/4	1400	Cooler Run	9/4	1400
J. Kozak	9/4/19	1400		9.4.19	1400
	9.4.19	1835			
				9/4/19	1835

Data Package Options (please circle if required)
Type I (validation/NJ reg) TX-TRRP-13
Type II (Tier II) MA MCP CT RCP
Type III (Reduced NJ)
Type IV (CLP SOW)
Type VI (Raw Data Only)

SDG Complete? Yes No

State-specific QC (MS/MSD/Dup)? Yes No
(If yes, indicated QC sample and submit triplecate volume)
Internal COC required? Yes No

Lancaster Laboratories, Inc. 2425 New Holland Pike, PO Box 12425, Lancaster, PA 17605-2425 717-656-2300
Copies: White and yellow should accompany samples to Lancaster Laboratories. The pink copy should be retained by the client

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Sample Administration Receipt Documentation Log

Doc Log ID: 259219

Group Number(s): 2062372

Client: Southside Oil

Delivery and Receipt Information

Delivery Method:	ELLE Courier	Arrival Timestamp:	09/04/2019 18:35
Number of Packages:	1	Number of Projects:	1
State/Province of Origin:	MD		

Arrival Condition Summary

Shipping Container Sealed:	Yes	Sample IDs on COC match Containers:	Yes
Custody Seal Present:	Yes	Sample Date/Times match COC:	Yes
Custody Seal Intact:	Yes	Total Trip Blank Qty:	4
Samples Chilled:	Yes	Trip Blank Type:	HCl
Paperwork Enclosed:	Yes	Air Quality Samples Present:	No
Samples Intact:	Yes		
Missing Samples:	No		
Extra Samples:	No		
Discrepancy in Container Qty on COC:	No		

Unpacked by Shalynn Ponzo (16 735) at 01:26 on 09/05/2019

Samples Chilled Details

Thermometer Types: DT = Digital (Temp. Bottle) IR = Infrared (Surface Temp) All Temperatures in °C.

Cooler #	Matrix	Thermometer ID	Corrected Temp	Therm. Type	Ice Type	Ice Present?	Ice Container	Elevated Temp?	Samples Collected Same Day as Receipt?
1	Water	192099060	7.2	IR	Wet	Y	Bagged	Y	Y

2425 New Holland Pike
Lancaster, PA 17605-2425

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F | 717-656-2681
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Explanation of Symbols and Abbreviations

The following defines common symbols and abbreviations used in reporting technical data:

BMQL	Below Minimum Quantitation Level	**mL**	milliliter(s)
C	degrees Celsius	**MPN**	Most Probable Number
cfu	colony forming units	**N.D.**	non-detect
CP Units	cobalt-chloroplatinate units	**ng**	nanogram(s)
F	degrees Fahrenheit	**NTU**	nephelometric turbidity units
g	gram(s)	**pg/L**	picogram/liter
IU	International Units	**RL**	Reporting Limit
kg	kilogram(s)	**TNTC**	Too Numerous To Count
L	liter(s)	**µg**	microgram(s)
lb.	pound(s)	**µL**	microliter(s)
m3	cubic meter(s)	**umhos/cm**	micromhos/cm
meq	milliequivalents	**MCL**	Maximum Contamination Limit
mg	milligram(s)		

<	less than
>	greater than
ppm	parts per million - One ppm is equivalent to one milligram per kilogram (mg/kg) or one gram per million grams. For aqueous liquids, ppm is usually taken to be equivalent to milligrams per liter (mg/l), because one liter of water has a weight very close to a kilogram. For gases or vapors, one ppm is equivalent to one microliter per liter of gas.
ppb	parts per billion
Dry weight basis	Results printed under this heading have been adjusted for moisture content. This increases the analyte weight concentration to approximate the value present in a similar sample without moisture. All other results are reported on an as-received basis.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Measurement uncertainty values, as applicable, are available upon request.

Tests results relate only to the sample tested. Clients should be aware that a critical step in a chemical or microbiological analysis is the collection of the sample. Unless the sample analyzed is truly representative of the bulk of material involved, the test results will be meaningless. If you have questions regarding the proper techniques of collecting samples, please contact us. We cannot be held responsible for sample integrity, however, unless sampling has been performed by a member of our staff.

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Times are local to the area of activity. Parameters listed in the 40 CFR Part 136 Table II as "analyze immediately" are not performed within 15 minutes.

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Data Qualifiers

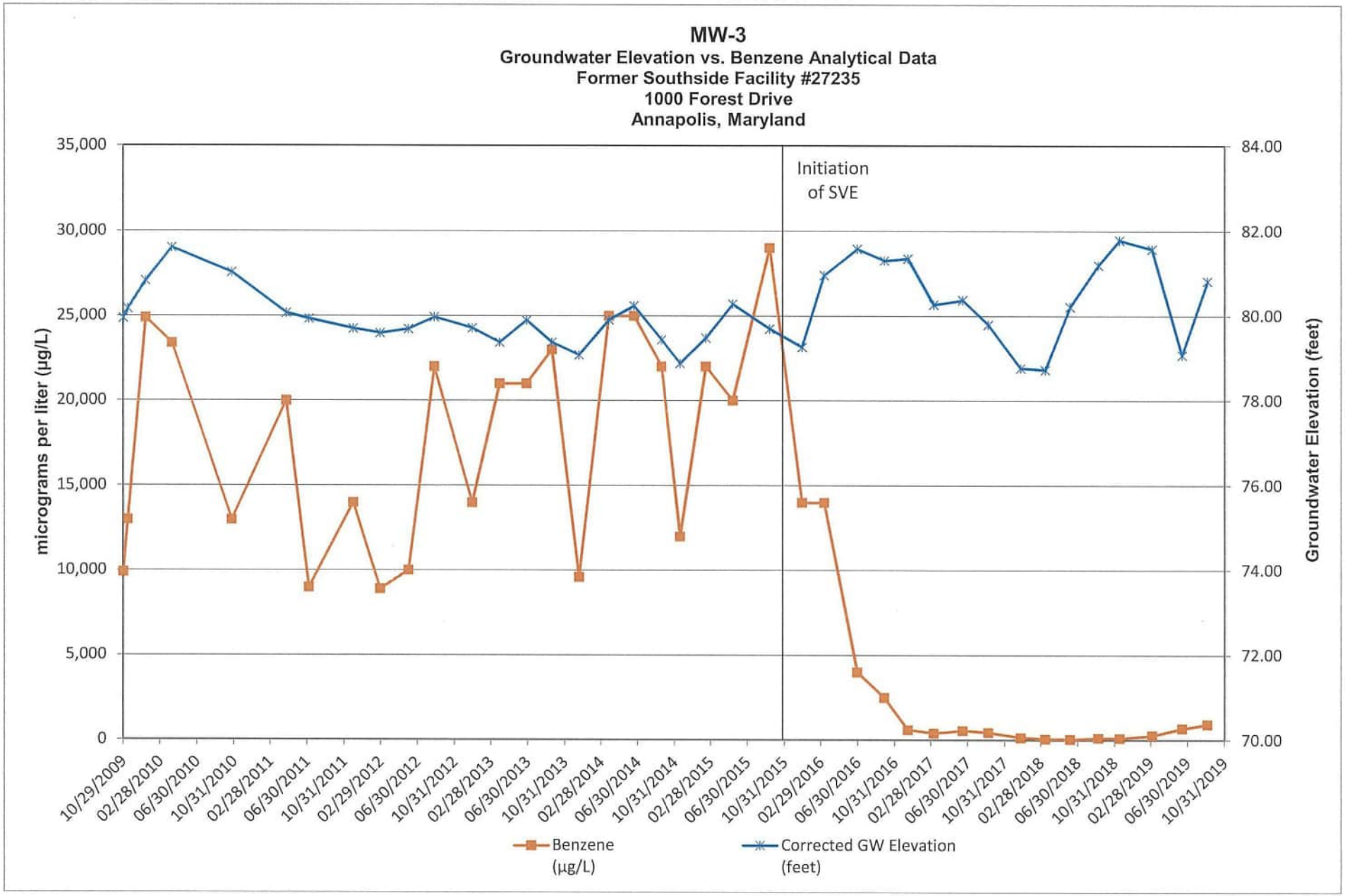
Qualifier	Definition
C	Result confirmed by reanalysis
D1	Indicates for dual column analyses that the result is reported from column 1
D2	Indicates for dual column analyses that the result is reported from column 2
E	Concentration exceeds the calibration range
K1	Initial Calibration Blank is above the QC limit and the sample result is ND
K2	Continuing Calibration Blank is above the QC limit and the sample result is ND
K3	Initial Calibration Verification is above the QC limit and the sample result is ND
K4	Continuing Calibration Verification is above the QC limit and the sample result is ND
J (or G, I, X)	Estimated value >= the Method Detection Limit (MDL or DL) and < the Limit of Quantitation (LOQ or RL)
P	Concentration difference between the primary and confirmation column >40%. The lower result is reported.
P^	Concentration difference between the primary and confirmation column > 40%. The higher result is reported.
U	Analyte was not detected at the value indicated
V	Concentration difference between the primary and confirmation column >100%. The reporting limit is raised due to this disparity and evident interference.
W	The dissolved oxygen uptake for the unseeded blank is greater than 0.20 mg/L.
Z	Laboratory Defined - see analysis report

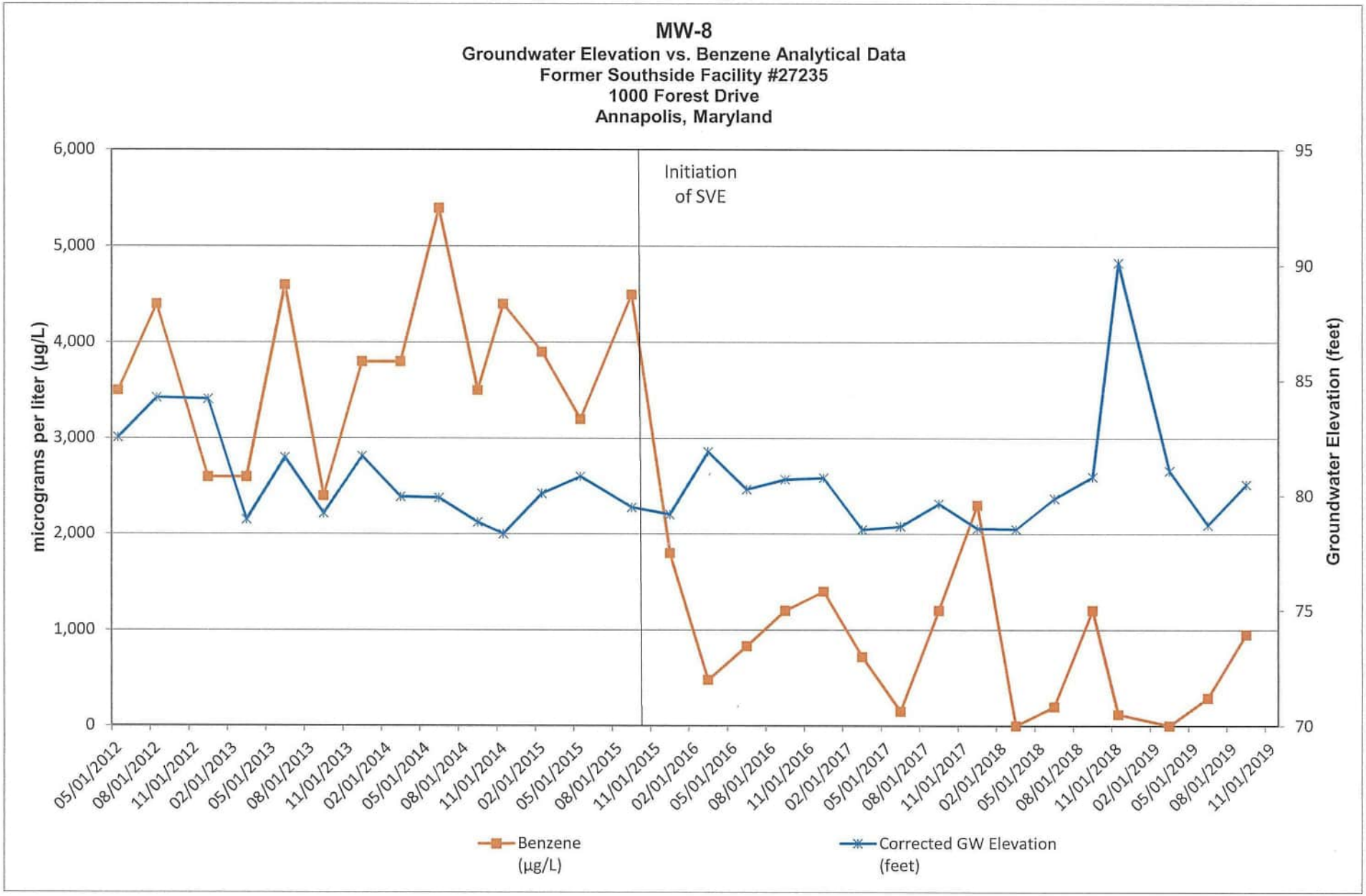
Additional Organic and Inorganic CLP qualifiers may be used with Form 1 reports as defined by the CLP methods.
Qualifiers specific to Dioxin/Furans and PCB Congeners are detailed on the individual Analysis Report.

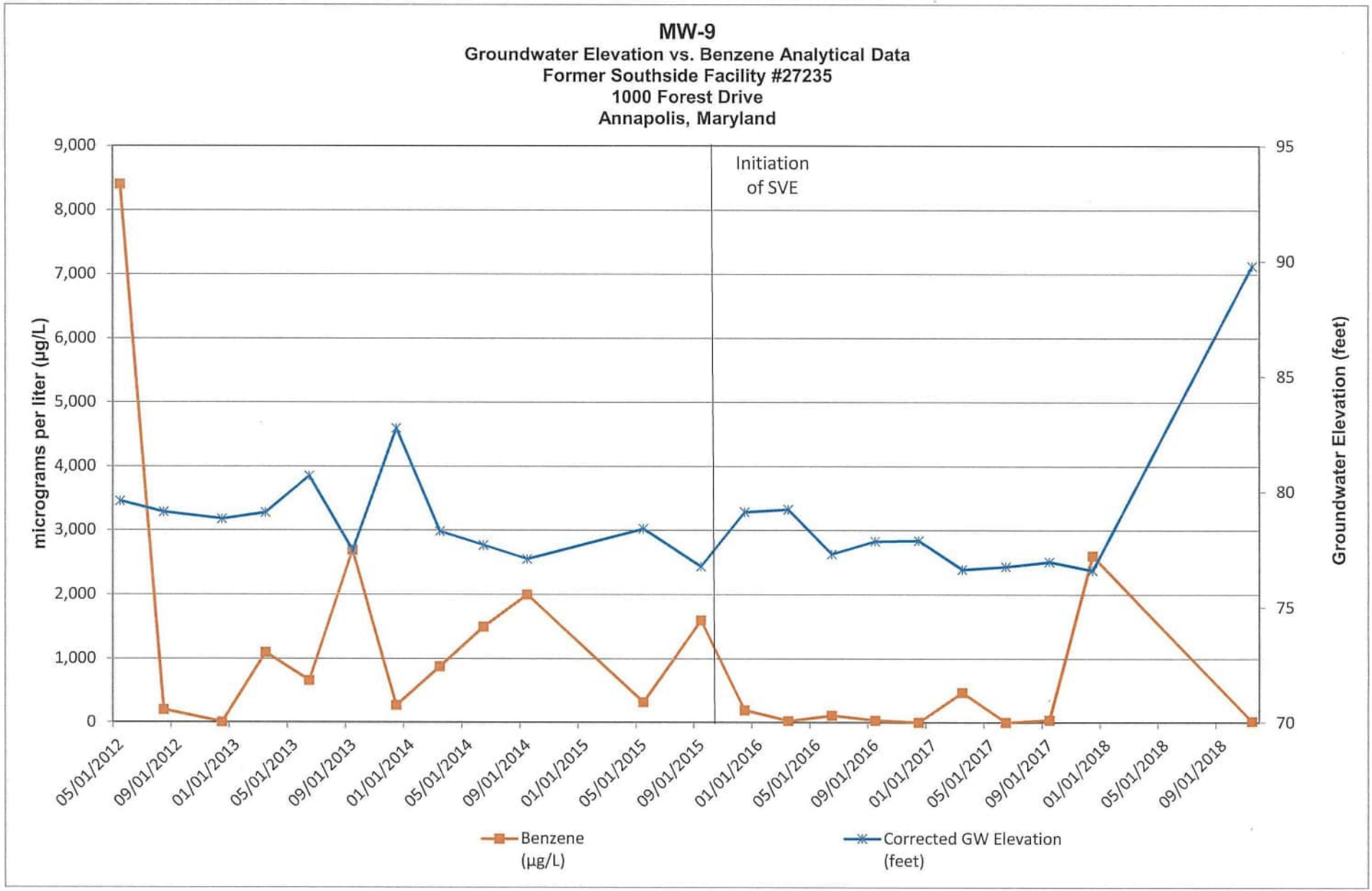
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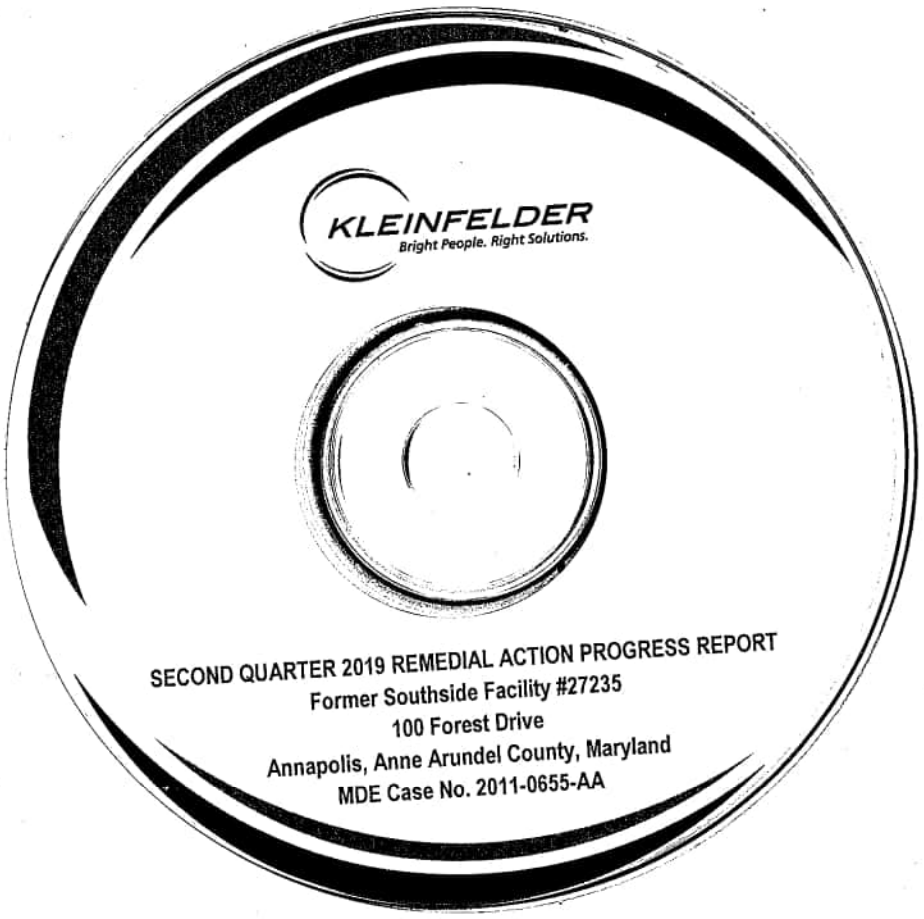
APPENDIX B

Concentration Graphs


MW-3
Groundwater Elevation vs. Benzene Analytical Data
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
Initiation of SVE
micrograms per liter (µg/L)
Groundwater Elevation (feet)
35,000
30,000
25,000
20,000
15,000
10,000
5,000
0
84.00
82.00
80.00
78.00
76.00
74.00
72.00
70.00
10/29/2009
02/28/2010
06/30/2010
10/31/2010
02/28/2011
06/30/2011
10/31/2011
02/29/2012
06/30/2012
10/31/2012
02/28/2013
06/30/2013
10/31/2013
02/28/2014
06/30/2014
10/31/2014
02/28/2015
06/30/2015
10/31/2015
02/29/2016
06/30/2016
10/31/2016
02/28/2017
06/30/2017
10/31/2017
02/28/2018
06/30/2018
10/31/2018
02/28/2019
06/30/2019
10/31/2019
Benzene (µg/L)
Corrected GW Elevation (feet)


MW-8
Groundwater Elevation vs. Benzene Analytical Data
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
Initiation of SVE
micrograms per liter (µg/L)
Groundwater Elevation (feet)
6,000
5,000
4,000
3,000
2,000
1,000
0
95
90
85
80
75
70
05/01/2012
08/01/2012
11/01/2012
02/01/2013
05/01/2013
08/01/2013
11/01/2013
02/01/2014
05/01/2014
08/01/2014
11/01/2014
02/01/2015
05/01/2015
08/01/2015
11/01/2015
02/01/2016
05/01/2016
08/01/2016
11/01/2016
02/01/2017
05/01/2017
08/01/2017
11/01/2017
02/01/2018
05/01/2018
08/01/2018
11/01/2018
02/01/2019
05/01/2019
08/01/2019
11/01/2019
Benzene (µg/L)
Corrected GW Elevation (feet)


MW-9
Groundwater Elevation vs. Benzene Analytical Data
Former Southside Facility #27235
1000 Forest Drive
Annapolis, Maryland
Initiation of SVE
micrograms per liter (µg/L)
Groundwater Elevation (feet)
9,000
8,000
7,000
6,000
5,000
4,000
3,000
2,000
1,000
0
95
90
85
80
75
70
05/01/2012
09/01/2012
01/01/2013
05/01/2013
09/01/2013
01/01/2014
05/01/2014
09/01/2014
01/01/2015
05/01/2015
09/01/2015
01/01/2016
05/01/2016
09/01/2016
01/01/2017
05/01/2017
09/01/2017
01/01/2018
05/01/2018
09/01/2018
Benzene (µg/L)
Corrected GW Elevation (feet)


KLEINFELDER
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SECOND QUARTER 2019 REMEDIAL ACTION PROGRESS REPORT
Former Southside Facility #27235
100 Forest Drive
Annapolis, Anne Arundel County, Maryland
MDE Case No. 2011-0655-AA

SUPERVISOR CLOSURE REVIEW

Case No. 18-0692 AA | Date: 2/7/22

Release detected? Yes (No)

Comment: _____

_____

	FEDERAL (UST *Motor / Lube* / Bulk)	Code	STATE (UST *Heating Oil* / All AST)	Code	
	Color Coding	C10	Aboveground Tank Leak	A5a / A5b	
	Compliance Inspections	C11	Dumping	A4 / A4e	
	Ground Seep Investigation	B6	Open Water	A1 / A1a,b,e	
	Inventory	C5	Permit Inspections	A6	
	New Installation	C1	New Installation	C2a / C2b	
	Overfill Protection	C10	Transfer Accident	A3 / A3a,b,e	
	Registration	C4	Registration	C4a / C4b	
	Release Detection	C9	Vehicle Accident	A2 / A2e	
	Retrofit/Repair	C7	Retrofit/Repair	C8a / C8b	
	Soil Contamination	B7	Soil Contamination	B7a / B7b	
	Surface Spill Originating from UST	B11	Surface Spill Originating from UST	B11a / B11b	
	Tank Removal / Abandonment	B8	Tank Removal / Abandonment	B9a / B9b	
✓	Tank Test Failure	B1	Tank Test Failure	B2a / B2b	
	Tank Truck Driver Attendance	C6	Tank Truck Driver Attendance	C6a / C6b	
	Vapor Problem	B5	Vapor Problem	B5a / B5b	
	Well / Groundwater Contamination	B3	Well / Groundwater Contamination	B4a / B4b	
	Cathodic Protection	C13	Cathodic Protection – Commercial Heating Oil	C13b	
	Compliance Testing	C14	Compliance Testing – Heating Oil	C14a	
	Third Party Inspection Field Review	C16	Unknown Source / Surface Spill	A7	
	Other	B10	Other	B10a / B10b	
			Other – Emergency	A8e	
			Other	A8	

a = Residential Heating Oil b = Commercial Heating Oil e = Emergency

Agree to close? (Yes) No

✓ Residual petroleum contamination may remain on site. However, based on available data, it appears this contamination poses no threat to human health or the environment.
Inspector's findings complete
Site poses no risk
Other

Reference/Support: Compliance testing performed. New liquid sensor installed. 2/26/19 TPT in pass status.

Litigation Hold Folder generated for project? Yes ☐ No ☑

Signature: _____ Date: 2/7/22

Revised: 06/15/18

SUPERVISOR CLOSURE REVIEW

Case No.: 22-0447 AA	Date: 6/13/23
Release Detected? No	
Enforcement Action No.:	Date:
Enforcement Action Closed?	Facility ID No.: 3571

Comment:

	FEDERAL (UST *Motor* / *Lube* / Bulk)	Code	STATE (UST *Heating Oil* / All AST)	Code	
	Color Coding	C10	Aboveground Tank Leak	A5a / A5b	
	Compliance Inspections	C11	Dumping	A4 / A4e	
	Ground Seep Investigation	B6	Open Water	A1 / A1a,b,e	
	Inventory	C5	Permit Inspections	A6	
	New Installation	C1	New Installation	C2a / C2b	
	Overfill Protection	C10	Transfer Accident	A3 / A3a,b,e	
	Registration	C4	Registration	C4a / C4b	
	Release Detection	C9	Vehicle Accident	A2 / A2e	
	Retrofit/Repair	C7	Retrofit/Repair	C8a / C8b	
	Soil Contamination	B7	Soil Contamination	B7a / B7b	
	Surface Spill Originating from UST	B11	Surface Spill Originating from UST	B11a / B11b	
	Tank Removal / Abandonment	B8	Tank Removal / Abandonment	B9a/b9B	
✓	Tank Test Failure	B1	Tank Test Failure	B2a / B2b	
	Tank Truck Driver Attendance	C6	Tank Truck Driver Attendance	C6a / C6b	
	Vapor Problem	B5	Vapor Problem	B5a / B5b	
	Well / Groundwater Contamination	B3	Well / Groundwater Contamination	B4a / B4b	
	Cathodic Protection	C13	Cathodic Protection – Commercial Heating Oil	C13b	
	Compliance Testing	C14	Compliance Testing – Heating Oil	C14a	
	Third Party Inspection Field Review	C16	Unknown Source / Surface Spill	A7	
	Other	B10	Other	B10a / B10b	
			Other – Emergency	A8e	
			Other	A8	

a = Residential Heating Oil b = Commercial Heating Oil e = Emergency

Agree to close? YES ✓ NO ____

- ☐ Residual petroleum contamination may remain on-site. However, based on available data, it appears this contamination poses no threat to human health or the environment.
- ☑ Inspector's findings complete
- ☐ Site poses no risk
- ☐ Other

Reference/Support: Tank repaired + retested. The 2/2/22 Third Party Inspection is Passing

Litigation Hold Folder generated for project? No

Signature: [signature] Date: 6/13/23

Revised: 6/7/19

LEAK SUMMARY & TANK CLOSURE

Registration No.: 3571

Case No.: 22-0447 AA	Date Opened: 3/21/22	Has UST registration been amended? Yes ☐ No ☑
	Date Closed: 6/13/23	
Enforcement Action No.:	Date:	Enforcement Action Closed? Yes ☐ No ☐

Type of Case

A. Pull		E. Compliance Check*	
B. Installation*		F. Tank Test Failure	✓
C. Surface*		G. Abandonment-in-Place	
D. Leak Investigation		H. Other	

* If under "Type of Case" Item B, C, or E is checked, do not fill in chart below.

Spill Affected

A. Groundwater		F. Sanitary Line	
B. Domestic Wells		G. Utility work or lines	
C. Surface Waters		H. Reached adjoining property	
D. A Building		I. None / Other (Specify)	✓
E. Storm Drain		J. Soils	

Owner of System

A. Major Oil Company		F. Private Residence	
B. Local Oil Company		G. Apartment	
C. Private Owner / Service Station	✓	H. School	
D. Government Facility		I. Commercial Business	
E. Marina		J. Other (Specify)	

Well Information	Yes	No		
Monitoring Wells Installed?		✓	No. of Monitoring Wells Installed	
Private Supply Well (PSW) on-site?		✓		
PSW Impacted?		✓		

	Tank Capacity	Tank Type	Line Type	Age	Product	Tank Status	Leak Found In
1	12,000	B	D	E	J	A	I - ATG Sensor
2							
3							
4							
5							
6							
7							

Note: See summary codes on reverse side.

Release? Yes (No) Cleanup Initiated? Yes (No) DAF Code: B-1

___ Residual petroleum contamination may remain on-site. However, based on available data, it appears this contamination poses no threat to human health or the environment.

Reviewed by: [signature] Date: 6/13/23

Revised: 6/7/19

CODES FOR USE ON REVERSE SIDE

TANK / LINE TYPE:			
A.	Steel	D.	Other
B.	Fiberglass	E.	Clad Steel
C.	Cathodically-Protected Steel	F.	Copper

AGE:			
A.	1 - 5 years	D.	16 - 20 years
B.	6 - 10 years	E.	Over 20 years
C.	11 - 15 years		

PRODUCT:			
A.	Gasoline	G.	Jet Fuel
B.	#2 Oil	H.	Used Oil
C.	Kerosene	I.	Asphalt
D.	#4 Oil	J.	Other
E.	#5 Oil	K.	Diesel
F.	#6 Oil		

TANK STATUS:	
A.	In Service
B.	Removed
C.	Abandoned-in-Place

LEAK FOUND IN:			
A.	Tank	F.	Fill Pipe
B.	Supply Line	G.	Air Pocket
C.	Return Line	H.	None
D.	Vent Line	I.	Other
E.	Fittings	J.	Flex Connector

Revised: 6/7/19