

Phase I Environmental Site Assessment

T.C. Williams High School
3330 King Street
Alexandria, Virginia



Prepared For:

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**Phase I Environmental Site Assessment
Parker Gray Stadium Improvements
3330 King Street
Alexandria, Virginia**

1.0 EXECUTIVE SUMMARY

Froehling & Robertson, Inc. (F&R) performed a Phase I Environmental Site Assessment (ESA) of T.C. Williams High School located at 3330 King Street in Alexandria, Virginia. The following is a summary of our findings and is not intended to replace more detailed information contained elsewhere in this report.

The Property, T.C. Williams High School, consists of an approximately 22.5-acre, irregular shaped parcel developed with a 461,167 square foot, two story public school building situated within a suburban land use area in Alexandria, Virginia. The building was constructed in 2007 and currently operates as T.C. Williams High School. The Property also contains asphalt paved access roadways and parking areas, a two story concrete parking garage, tennis courts, a football stadium, a one story concession stand with storage space, and landscaped areas. The Property is bordered to the north by King Street, beyond which is residential and commercial development, including a Shell filling station; to the east by Chinquapin Parks and Recreational Center; to the south by wooded and residential land; and to the west by residential land and Oakland Baptist Church.

Based upon F&R's review of historical sources and interviews, the Property appears to have been developed with the current structures since approximately 2007. The Property has been utilized as a public high school facility with a football stadium from approximately 1969 to present. The former high school structure was constructed in approximately 1969 and was located in the central portion of the Property, where the current two story concrete parking garage is located. The former high school building was demolished sometime between 2005 and 2007, and a concrete parking garage was constructed in its place. Prior to its use as a high school, the Property is depicted with a Seminary Public School as well as residential dwellings from approximately 1941 to 1959. Prior to 1941, it was depicted as cleared and/or undeveloped land since 1900, and presumably earlier.

Based upon F&R's review of the federal, state and tribal environmental database report prepared by Environmental Data Resources, Inc. (EDR), the Property was identified on the RCRA Small Quantity Database, the Facility Index System database, the Aerometric Information Retrieval System Facility Subsystem database, the Enforcement and Compliance History Information (ECHO), LTANKS, UST, SPILLS, and LUST databases. Additionally, one RCRA Small Quantity Generator facility, two RCRA Conditionally Exempt Small Quantity Generator facilities, and one RCRA Non-Generator facility, thirteen LTANKS incidents, three UST facilities, one drycleaning facility, ten LUST incidents, and two Voluntary Remediation Program facilities were identified in the ASTM search radius on the federal databases reviewed by EDR. Please see Section 5.1 of this report for additional information regarding listed facilities.

F&R has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13 of the T.C. Williams High School located at 3330 King Street in Alexandria, Virginia, the Property. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report. This assessment has not revealed evidence of RECs in association with the Property. However, the following HRECs and non-scope considerations were identified:



The following HRECs were identified:

- One bare steel 2,000-gallon used oil UST was installed in May 1967. The UST was removed in 1991 from approximately 56 feet west of the school building. According to the UST Closure Report dated September 10, 1998 by Environmental Consultants and Contractors, Inc. (ECC), approximately 10,202 gallons of petroleum product and water were removed from the UST by Tri County Industries and 397.34 tons of contaminated soil were removed by EnviroTech Mid-Atlantic. ECC collected two soil samples from the former UST basin in order to determine if contamination was present. The soil samples indicated concentrations of 82 and 110 parts per million of total petroleum hydrocarbons - diesel range organics (TPH-DRO). The results were submitted to the DEQ in July 1998 and a pollution complaint 1999-3002 was opened. Following review, DEQ determined that the petroleum levels did not represent an identified risk to human health and the environment and the case was closed in November 1998.
- Pollution complaint 2005-3085 was opened in September 2004. One 200-gallon diesel UST associated with the generator was removed from the Property in September 2004 by Apex Environmental, Inc. Approximately 14 gallons of product were removed prior to the excavation and disposal of the UST. The UST was reported as in poor condition, with soil staining and petroleum odors observed. Two soil samples collected from the former tank basin indicated concentrations of 34,000 and 31,000 parts per million (ppm) TPH-DRO and 7,000 and 5,100 ppm total petroleum hydrocarbons gasoline range organics (TPH-GRO); which exceed the Virginia Department of the Environment (VDEQ) UST closure reporting requirements of 100 ppm TPH. Additionally, 120 and 87 ppm of xylenes were reported which exceeds the VDEQ Voluntary Remediation Program (VRP) Tier II screening concentration. Toluene, ethyl-benzene, and total BTEX were also identified in the soil samples. The results were reported to the VDEQ and the case was opened on October 1, 2004. On December 13, 2004, Triad Engineering excavated 37.3 tons of petroleum impacted soil from the vicinity of the former tank pit. Two soil samples were collected from the excavated tank pit. The samples indicated concentrations of 1,300 and 310 ppm TPH-DRO, and 6.1 and 5.6 ppm TPH-GRO. Additionally, naphthalene was identified at 2.6 ppm, above the VDEQ VRP Tier II screening levels. Ethyl-benzene, xylenes, and total BTEX were identified below the screening limits. On December 15, 2004, three monitoring wells were installed within the vicinity of the former tank pit. The groundwater samples did not indicate concentrations of TPH-DRO, TPH-GRO, BTEX, MTBE, or naphthalene above the laboratory reporting limits. In February 2005, the VDEQ determined that the contamination levels did not represent an identified risk to human health and the environment and the case was closed.

In 2007, the former tank pits and surrounding vicinity were demolished, graded, and developed with the current structure. Based on the case closure and redevelopment, the LUST cases are an HREC.

This assessment identified two non-scope considerations, including the following:

- Obvious evidence of damaged friable asbestos was not identified. However asbestos was identified in the concessions stand door caulking. F&R recommends compliance with local, state and federal regulations.
- Lead-based paint has been identified on-site. F&R recommends compliance with local, state and federal regulations.



2.0 INTRODUCTION

2.1 Purpose

The purpose of our assessment will be to determine whether activities are occurring, or may have occurred on or near the Property, that may be considered:

- Recognized environmental conditions - the presence or likely presence of any hazardous substance or petroleum products in, on, or at a property: (1) due to any release to the environment; (2) under conditions indicative of a release to the environment; or (3) under conditions that pose a material threat of a future release to the environment. De minimis conditions are not recognized environmental conditions.
- Controlled recognized environmental conditions - a recognized environmental condition resulting from a past release of hazardous substances or petroleum products that has been addressed to the satisfaction of the applicable regulatory authority (for example, as evidenced by the issuance of a no further action letter or equivalent, or meeting risk based criteria established by regulatory authority), with hazardous substances or petroleum products allowed to remain in place subject to the implementation of required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).
- Historical recognized environmental conditions - a past release of any hazardous substances or petroleum products that has occurred in connection with the property and has been addressed to the satisfaction of the applicable regulatory authority or meeting unrestricted use criteria established by a regulatory authority, without subjecting the property to any required controls (for example, property use restrictions, activity and use limitations, institutional controls, or engineering controls).
- De minimis conditions - a condition 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. Conditions determined to be de minimis conditions are not recognized environmental conditions nor controlled recognized environmental conditions.

2.2 Detailed Scope of Services

F&R has performed a Phase I Environmental Site Assessment in general accordance with ASTM E 1527-13 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process. Any deletions and/or additional services which deviate from this standard are described within Section 9.0. This standard does not include investigation into all areas of local, state and federal environmental requirements. These requirements were not addressed within this report and F&R is not responsible for other legal obligations for non-compliance with regulations not addressed specifically herein.

2.3 Significant Assumptions

Our findings and opinions are based upon information provided to us by others and our Property observations, and are subject to and limited by the terms and conditions of F&R's Agreement for Environmental Services. We have not verified the completeness or accuracy of the information provided by others, unless noted otherwise. Our observations were based upon conditions readily visible at the Property at the time of our visit, and did not include services typically performed during an



Environmental Compliance Audit or a Phase II Environmental Site Assessment. If additional information becomes available which may affect our conclusions and recommendations, we request the opportunity to review the information, and reserve the right to modify our report, as warranted.

2.4 Limitations and Exceptions

F&R, by virtue of providing the services described herein, does not assume the responsibility of the person(s) in charge of the Property, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the Property which may present a potential concern to public health, safety, or the environment. It is F&R's understanding that the client will notify appropriate regulatory agencies as required.

F&R has made appropriate inquiry and conducted a visual investigation in general accordance with the standard to determine the existence of underground storage tank usage (past and present) at the Property. F&R cannot entirely preclude the possibility that underground tanks, associated piping, and/or undetected releases may be present and/or may have existed at the Property without a subsurface investigation, which is not a part of the scope of work for this project.

2.5 Special Terms and Conditions

Special terms and conditions in relation to this project have been addressed throughout various sections detailing the specifications for which the assessment has been completed.

2.6 User Reliance

This report has been prepared for the exclusive use of Hord Coplan Macht on this specific project. These services have been provided in accordance with generally accepted environmental practices. No other warranty, expressed, or implied, is made. The contents of this report should not be construed in any way to indicate F&R's recommendation to purchase, sell, or develop the Property.

3.0 SITE DESCRIPTION

3.1 Location and Legal Description

The Property is located at 3330 King Street, approximately 300 feet southeast of the intersection with Kenwood Avenue in the City of Alexandria, Virginia. According to the City of Alexandria's Real Estate Assessor's Office, the parcel number is 032.04-09-08. Please see Appendix A for the Property Vicinity Map.

3.2 Site and Vicinity Characteristics

The Property consists of an irregular-shaped parcel of land totaling approximately 22.5 acres in size and developed for educational use. The Property is located within a suburban area of commercial and residential development. Commercial properties, including a filling station, a Baptist Church, a recreational facility, and residential homes are located in the immediate vicinity of the Property. Please see Appendix A for the Property Observation Map.



3.3 Current Use of the Property

The Property is currently occupied by T.C. Williams High School High School, and includes a large two story building, a one story concession stand with storage, paved parking areas, manicured landscape areas, a two story parking garage, tennis courts, and a football stadium.

3.4 Description of Structures, Roads, Other Improvements

The Property consists of an irregular-shaped parcel approximately 22.5-acres and is developed for educational use. The Property is currently improved with one 461,167 square foot, two story public school built in 2007, a two story concrete parking garage, and a one story concession stand with storage space built in approximately 1969. The school building is located on the eastern portion of the Property adjacent to Chinquapin Drive.

The school building consists of a two story steel framed structure built on a concrete slab foundation with a brick and CMU block exterior. The building contains office space, classroom space, a gymnasium, an auditorium, and a cafeteria which is heated and cooled with an electric HVAC system, natural gas powered boiler, and solar panels. Interior finishes consist of painted drywall, CMU block, brick, and ceramic walls, drop tile and corrugated open metal ceilings, and carpet, vinyl tile, wood laminate, and unfinished concrete floors. The building has a flat roof.

The concession stand and storage building is located to the west of the football stadium. This one story steel framed structure built on a concrete slab contains a brick and CMU block exterior. Interior finishes include CMU block and brick walls, an unfinished concrete floor, and an open metal corrugated ceiling.

The Property is accessed via King Street to the north by asphalt paved access roads. An asphalt paved parking lot is present on the central and south eastern sides of the Property structure. A two story concrete parking garage is located on the central portion of the Property. Tennis courts are located on the north central portion of the Property and a full stadium is located on the southern portion of the Property. The remaining portions of the Property consist of manicured landscaping and asphalt paved roadways. Other structures or significant surface features were not noted on the Property at the time of the reconnaissance.

3.5 Current Uses of Adjacent Properties

The Property is bordered to the north by King Street, beyond which is residential and commercial development, including a Shell filling station; to the east by Chinquapin Parks and Recreational Center; to the south by wooded and residential land; and to the west by a residential land and Oakland Baptist Church. Please reference Appendix A for the Property Observation Map.

4.0 USER PROVIDED INFORMATION

In accordance with the ASTM Standard, the Client is responsible for providing the following information. Hord Coplan Macht provided F&R personnel with the Property location and Property contact information. F&R also requested information within the following sections.



4.1 Title Records

Current and/or prior ownership information was not provided by the Client and a review of Chain of Title Information was not performed as a part of this assessment.

4.2 Environmental Liens, Activity, and/or Use Limitations

Identification of activity use limitations and/or environmental conditions at the Property was not provided.

4.3 Specialized Knowledge

Specialized knowledge of environmental issues was not provided to F&R.

4.4 Valuation Reduction for Environmental Issues

Information concerning valuation reduction for environmental issues was not provided by the Client.

4.5 Owner, Property Manager, and Occupant Information

The current property owner was identified as the City of Alexandria. The Property is occupied by the Alexandria County Public School System and is identified as T.C. Williams High School.

4.6 Reason for Performing Phase I Environmental Site Assessment

The Phase I Environmental Site Assessment is being performed to satisfy environmental inquiry into the Property.

4.7 Other

Additional information was not provided by the user.

5.0 RECORDS REVIEW

5.1 Standard Environmental Record Sources

Federal, state and tribal environmental databases and records were reviewed in an effort to determine whether environmental incidents have been reported at the Property and to locate properties with environmental liabilities in the vicinity of the Property. A detailed summary of federal, state and tribal databases prepared by Environmental Data Resources, Inc. (EDR) is presented in Appendix E. Federal and state regulatory databases have been researched and reported in accordance with the approximate minimum search distances specified by ASTM E 1527-13. The table below depicts the listed facilities and/or incidents identified in the database search:



Database	Target Property (TP)	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
RCRA - Small Quantity Generators (RCRA-SQG)	X	0.25	0	1	NR	NR	NR	2
RCRA - Conditionally Exempt Small Quantity Generators (RCRA-CESQG)		0.25	0	2	NR	NR	NR	2
Facility Index System/Facility Registry System (FINDS)	X	TP	NR	NR	NR	NR	NR	1
Aerometric Information Retrieval System Facility Subsystem (AFS) (US AIRS (AFS))	X	TP	NR	NR	NR	NR	NR	1
RCRA - Non Generators / No Longer Regulated (RCRA NonGen / NLR)		0.25	0	1	NR	NR	NR	1
Enforcement & Compliance History Information (ECHO)	X	TP	NR	NR	NR	NR	NR	1
Leaking Petroleum Storage Tanks (VA LTANKS)	X	0.5	0	5	8	NR	NR	14
Registered Petroleum Storage Tanks (VA UST)	X	0.25	0	3	NR	NR	NR	4
Prep/Spills Database Listing (VA SPILLS)	X	TP	NR	NR	NR	NR	NR	1
Drycleaner List (VA DRYCLEANERS)		0.25	0	1	NR	NR	NR	1
Leaking Underground Storage Tank Tracking Database (VA LUST REG NO)	X	0.5	0	6	4	NR	NR	11
Voluntary Remediation Program (VA VRP)		0.5	0	0	2	NR	NR	2

5.1.1 Federal Regulatory Agencies

One RCRA Small Quantity Generator facility, two RCRA Conditionally Exempt Small Quantity Generator facilities, and one RCRA Non-Generator facility were identified in the ASTM search radius on the federal databases reviewed by EDR. However, based on such factors such as distance, topographic gradient, and regulatory status, these facilities are not considered RECs. The Property was identified on the RCRA Small Quantity Database, the Facility Index System database, the Aerometric Information Retrieval System Facility Subsystem database and the Enforcement and Compliance History Information (ECHO) databases on the federal databases.

Due to poor or inadequate address information, the Orphan Summary contains a list of facilities identified within federal databases which were not mapped within the environmental report. Facilities with references to federal databases were not observed during the reconnaissance for the Property.

A detailed summary for the listings identified on the Property is included below:



Site Name: T. C. WILLIAMS HIGH SCHOOL
Databases: RCRA-SQG, FINDS, ECHO, US AIRS (AFS)
Address: 3330 KING ST
Distance: 0
Direction: Southwest
Elevation: Higher
Comments: The Property was identified on the RCRA Small Quantity Generator database list since September 1998; which indicates the Property generates between 100 and 1,000 kilograms of hazardous waste per calendar month. The Property was previously considered a RCRA Conditionally Exempt Small Quantity Generator facility in 1986; which indicates the Property generated no more than 100 kilograms of hazardous waste per calendar month. The Property received a manifest violation, a pre-transport violation, and general violations in November 1997 and 1998. The issues were addressed and the Property has reached compliance on these violations.

The Property was identified on the US AIRS database list as the facility 1017783187. The AIRS dataset is an information management system that tracks aeromatic emissions, regulatory compliance data, and permit tracking data. The facility was identified as a minor emissions AIRS facility. The Property was identified on the FINDS and ECHO database list as facility 110001895888; which is used to track AIRS and RCRA facilities for compliance data. According to the ECHO database, violations have not been reported within the last three years.

Used anti-freeze and waste oil were observed in the autoshop portion of the Property. Waste is removed by Safety-Kleen on an as-needed basis. See Appendix F for removal documentation. Based on the regulatory status, absence of violations, and removal documentation, the RCRA listing is not considered a REC.

Site Name: KING STREET SHELL
Databases: RCRA NonGen / NLR
Address: 3401 KING ST
Distance: 743
Direction: NNW
Elevation: Lower
Comments: This facility was mapped 743 feet north-northwest and topographically down-gradient from the Property. F&R observed that the facility is approximately 140 feet north of the Property. This facility was identified on the RCRA Non-generator database list since December 2010; which indicates that hazardous materials are not generated on-site. The facility was previously identified as a RCRA Small Quantity Generator in July 1990. Based on the regulatory status and absence of violations, this RCRA listing is not considered a REC.

Site Name: LINDSEY CADILLAC
Databases: RCRA-CESQG
Address: 3410 KING ST
Distance: 847
Direction: Northwest
Elevation: Higher
Comments: This facility was mapped 847 feet northwest and topographically up-gradient from the Property. F&R observed that the facility is approximately 250 feet from the Property. The facility was identified on the RCRA Conditionally Exempt Small Quantity Generator database list since April 1992; which indicates that the facility generates no more than 100 kilograms of hazardous waste per calendar year. Violations were not reported. Based on the regulatory status and absence of violations, the RCRA listing is not considered a REC.



5.1.2 State and Tribal Regulatory Agencies

Thirteen LTANKS incidents, three UST facilities, one drycleaning facility, ten LUST incidents, and two Voluntary Remediation Program facilities were identified in the ASTM search radius on the state databases reviewed by EDR. However, based on such factors such as distance, topographic gradient, and regulatory status, these facilities are not considered RECs. The Property was identified on the LTANKS, UST, SPILLS, and LUST databases.

Due to poor or inadequate address information, the Orphan Summary contains a list of facilities identified within state or tribal databases which were not mapped within the environmental report. Facilities with references to federal databases were not observed during the reconnaissance for the Property.

A detailed summary for the listings identified on the Property is included below:

Site Name: T C WILLIAMS HIGH SCHOOL
Databases: LTANKS, UST
Address: 3330 KING ST
Distance: 0
Direction: Southwest
Elevation: Higher
Comments: The Property was identified on the UST, LUST, and LTANKS databases. One bare steel 2,000-gallon used oil UST was installed in May 1967. The UST was removed in 1991 from approximately 56 feet west of the school building. According to the UST Closure Report dated September 10, 1998 by Environmental Consultants and Contractors, Inc. (ECC), approximately 10,202 gallons of petroleum product and water were removed from the UST by Tri County Industries and 397.34 tons of contaminated soil were removed by EnviroTech Mid-Atlantic. ECC collected two soil samples from the former UST basin in order to determine if contamination was present. The soil samples indicated concentrations of 82 and 110 parts per million of total petroleum hydrocarbons - diesel range organics (TPH-DRO). The results were submitted to the DEQ in July 1998 and pollution complaint 1999-3002 was opened. Following review, DEQ determined that the petroleum levels did not represent an identified risk to human health and the environment and the case was closed in November 1998.

Pollution complaint 2005-3085 was opened in September 2004. One 200-gallon diesel UST associated with the generator was removed from the Property in September 2004 by Apex Environmental, Inc. Approximately 14 gallons of product were removed prior to the excavation and disposal of the UST. The UST was reported as in poor condition, with soil staining and petroleum odors observed. Two soil samples collected from the former tank basin indicated concentrations of 34,000 and 31,000 parts per million (ppm) TPH-DRO and 7,000 and 5,100 ppm total petroleum hydrocarbons gasoline range organics (TPH-GRO); which exceed the Virginia Department of the Environment (VDEQ) UST closure reporting requirements of 100 ppm TPH. Additionally, 120 and 87 ppm of xylenes were reported which exceeds the VDEQ Voluntary Remediation Program (VRP) Tier II screening concentration. Toluene, ethyl-benzene, and total BTEX were also identified in the soil samples. The results were reported to the VDEQ and the case was opened on October 1, 2004. On December 13, 2004, Triad Engineering excavated 37.3 tons of petroleum impacted soil from the vicinity of the former tank pit. Two soil samples were collected from the excavated tank pit. The samples indicated concentrations of 1,300 and 310 ppm TPH-DRO, and 6.1 and 5.6 ppm TPH-GRO. Additionally,



Comments: naphthalene was identified at 2.6 ppm, above the VDEQ VRP Tier II screening levels. Ethyl-benzene, xylenes, and total BTEX were identified below the screening limits. On December 15, 2004, three monitoring wells were installed within the vicinity of the former tank pit. The groundwater samples did not indicate concentrations of TPH-DRO, TPH-GRO, BTEX, MTBE, or naphthalene above the laboratory reporting limits. In February 2005, the VDEQ determined that the contamination levels did not represent an identified risk to human health and the environment and the case was closed.

In 2007, the former tank pits and vicinity were demolished, graded, and developed with the current structure. Based on the case closure and redevelopment, the LUST cases are an HREC. See Appendix F for documentation.

Site Name: T C WILLIAMS HIGH SCHOOL
Databases: SPILLS
Address: 3330 KING ST
Distance: 0
Direction: Southwest
Elevation: Higher

Comments: The Property was identified on the SPILLS database list in October 2012. The incident identified as 2013-N-0869 was reported due to a broken thermometer in the science classroom B331. The classroom was evacuated and the fire department was called to assist with the cleanup following local regulations. Based on the nature of the spill and the confirmed cleanup, the SPILLS case is not considered a REC. See Appendix F for documentation.

Site Name: KING STREET SHELL
Databases: Financial Assurance 1, UST, LTANKS
Address: 3401 KING ST
Distance: 743
Direction: NNW
Elevation: Lower

Comments: This facility was mapped 743 feet north-northwest and topographically down-gradient from the Property. F&R observed that the facility is approximately 140 feet north of the Property. The facility was identified on the UST database list for one 12,000 gallon gasoline UST, one 8,000 gallon gasoline UST, and one 5,000 gallon diesel UST that were installed in December 2007 and were currently in use. Three 10,000 gallon gasoline USTs and one 10,000 gallon diesel UST were installed in 1979 and have been removed. F&R requested UST inspection files from the VDEQ. The VDEQ documents indicated the facility passed a formal UST Inspection in 2010, 2013, and 2016 without violations. On June 15, 2007, a petroleum release at the facility was reported and pollution complaint 2007-3257 was opened. A Phase II Environmental Site Assessment reported the facility is relatively flat with a slight slope to the southeast towards the Property. In May and June 2007 four borings were advanced on the facility within the vicinity of the UST tanks and fuel dispenser islands. A photoionization detector was used to screen soil borings in the field for volatile organic compounds (VOCs); readings ranged from non-detect to 85.4 parts per million (ppm). Turt-Butyl Ethyl Ether was detected at 110 ppm, ethylbenzene was detected at 150 ppm, and total Xylenes were detected at 20 ppm in the soil. Benzene contamination ranged from 0.016 to 0.17 ppm in the groundwater. T-Amyl methyl ether, tert-Butyl alcohol, t-Butyl ethyl ether, ethylbenze, isopropyl ether, methyl tert-butyl ether, toluene and total xylenes were also detected in the groundwater.

In December 2007, URS performed environmental oversight for the removal of the three former gasoline USTs, one diesel UST, and associated piping. A&A



Comments: Environmental Services (A&A) of Baltimore, Maryland removed approximately 227 gallons of petroleum impacted water residue from the tanks and lines. Approximately 343.6 tons of contaminated soil were excavated and removed from the facility. Soil samples indicated total xylenes ranging from 0.00727 to 3.39 ppm, naphthalene from 0.00563 to 26.4 ppm, gasoline range organics from 0.447 to 203 ppm and diesel range organics from 5.94 to 136 ppm. Additionally, trace levels of benzene, toluene, ethylbenzene, and MTBE were detected. Based on the absence of sensitive receptors in the area, remediation, and residual levels of contamination, the case was closed in February 2009. The residual contamination appears to be confined to the UST tank pit; which is located approximately 800 feet from the Property structure. Based on the remediation, consistent compliance with UST inspections, and distance from the school, the gas station is not considered a REC. See Appendix F for UST and LTANKS documentation.

Site Name: LINDSAY CADILLAC

Databases: LTANKS, SPILLS

Address: 3410 KING ST

Distance: 847

Direction: Northwest

Elevation: Higher

Comments: This facility was mapped 847 feet northwest and topographically up-gradient from the Property. F&R observed that the facility is approximately 250 feet from the Property. The facility was identified on the SPILLS and LTANK database list for pollution complaint 1990-0962. A Phase I ESA performed by ATEC Environmental Consultants (ATEC) identified two open former UST tank pits. In February 1990, ATEC performed soil sampling within the vicinity of two former tank pits on the facility. Initial sampling identified 171 ppm of TPH in portions of the former tank pits. Following excavation, ATEC collected soil samples from the two pits. The samples contained TPH levels ranging from <1 ppm to 1.1 ppm in the western tank pit. During the excavation of the eastern tank pit, staining and a petroleum odor were observed to the north, east, and possibly the southeast. TPH concentrations in the soil of the tank pit were 4,500 ppm. ATEX reported, based on visual observation, that a larger tank was most likely present prior to the smaller tank that had recently been excavated. As directed by the VDEQ, the tank pits were backfilled pending further investigation. In September 1994, a letter from the VDEQ to the facility requested that a preliminary site characterization checklist be performed; which includes the installation of a monitoring well down-gradient of the tank pit and to analyze soil samples for TPH. Documentation regarding additional sampling was not available in the case file. The case closure letter dated October 25, 1994 states that no further action is required.

In October 2005, a release of hydraulic oil was identified during the removal of four hydraulic lifts. Eight additional lifts were discovered during the initial removal. The concrete garage floor and soil up to six feet below grade was removed and staining and odors was not observed. Based on the removed soil, low mobility of hydraulic oil and absence of visual staining or odors, the case was closed.

Based on the removal of the USTs, excavation of contaminated soil, and over 1,000 foot distance from the Property structure, the facility is not considered a REC. See Appendix F for LTANKS documentation.



5.1.3 Additional Environmental Record Sources

Local records lists are not documented within Fairfax County and therefore additional environmental record sources were not used in this assessment. F&R contacted the local fire, health, and building departments for additional information on the Property. Information obtained is included within Section 7.2 of this report.

5.1.4 Vapor Encroachment Screening

Incidents involving chemicals of concern (COC) were identified in the EDR Environmental Database Report on the Property. However, the former tank pits and the vicinity have been demolished, graded, and developed with the current structure. Based on the redevelopment, a VEC is not likely to exist at the Property.

5.2 Physical Setting Sources

The United States Geological Survey (USGS), Alexandria, Virginia Quadrangle 7.5 minute series topographic map was reviewed during the preparation of this report. This map was published by the USGS in 2013. According to the contour lines on the topographic map, the Property is located at approximately 192 feet above mean sea level (AMSL). The contour lines in the area indicate the Property generally slopes to the southeast. The area of the Property is colored white, which indicates agricultural land or cleared land.

Surface waters are not depicted as present on or adjacent to the Property. Based upon regional topography as depicted on the USGS topographic map, the direction of shallow groundwater flow in the vicinity of the Property is inferred to be to the southeast toward an unnamed tributary of Taylor Run. However, without performing a hydrogeologic evaluation, the actual direction of groundwater flow cannot be determined.

5.3 Historical Use Information

Based upon F&R's review of historical sources and interviews, the Property appears to have been developed with the current structures since approximately 2007. The Property has been utilized as a public high school facility with a football stadium from approximately 1969 to present. The former high school structure was constructed in approximately 1969 and was located in the central portion of the Property, where the current two story concrete parking garage is located. The former high school building was demolished sometime between 2005 and 2007, and a concrete parking garage was constructed in its place. Prior to its use as a high school, the Property is depicted with a Seminary Public School as well as residential dwellings from approximately 1941 to 1959. Prior to 1941, it was depicted as cleared and/or undeveloped land since 1900, and presumably earlier.

5.3.1 Aerial Photographs

F&R reviewed aerial photographs provided by EDR to determine the historical usage of the Property and the adjacent properties. Aerial photographs from 1949, 1953, 1962, 1964, 1974, 1979, 1981, 1988, 1994, 1998, 2000, 2002, 2005, 2008, 2009, 2011, and 2012 were reviewed. The findings are presented in the following table:



Year(s)	Property	Adjoining Properties
1949, 1953, 1962, and 1964	Residential land and wooded land, school present on the central portion	N- Roadway, beyond is residential land S- Wooded land with residential land E- Residential land W-Residential land
1974	Structure present on the northwestern portion,, football stadium on the southern portion, paved lots on the northern, and cleared land on the eastern	N- Roadway, beyond is residential land S- Wooded land with residential land E- Cleared land with commercial structure W-Residential land
1979, 1981, 1988, 1994, 1998, 2000, and 2002	Structures present on the northwestern and central portion, football stadium on the southern portion, paved lots on the northern portion	N- Roadway, beyond is residential land S- Wooded land with residential land E- Cleared land with commercial structure W-Residential land
2005	Structure present on the northwestern portion, football stadium on the southern portion, cleared land on the eastern portion	N- Roadway, beyond is residential land S- Wooded land with residential land E- Cleared land with commercial structure W-Residential land
2008, 2009, 2011, and 2012	Current structures with parking areas and a football stadium on the southern portion	N- Roadway, beyond is residential land S- Wooded land with residential land E- Cleared land with commercial structure W-Residential land

5.3.2 City Directories

F&R reviewed a historical city directory abstract provided by EDR to determine the historical usage of the Property and the adjacent properties. The findings are presented in the following table:

Year(s)	Property	Adjoining Properties
1921, 1926, 1930, 1936, 1942, 1948, and 1952	Not listed	N- Not listed S- Not Listed E- Not listed W- Not listed
1958	Not listed	N- (2500 Kenwood Avenue): Quinn Martin Rev S- Not Listed E- Not listed W- Not listed
1961	Not listed	N- Not listed S- Not Listed E- Not listed W- Not listed



Year(s)	Property	Adjoining Properties
1962	Not listed	N- (2400 Kenwood Avenue): The Sisters of the Holy Cross S- Not Listed E- Not listed W- Not listed
1966	Not listed	N- Not listed S- Not Listed E- Not listed W- Not listed
1969	Alcoholic Clinic Environmental Health Laboratory Nursing Speech Therapist Venereal Disease Clinic Vital Statistics, T.C. Williams High School High	N- (2500 Kenwood Avenue, 3313 to 3339 King Street, 3401 King Street): Sister Marita, Residences, Bradlee Texaco Service Center S- Not Listed E- Not listed W- Not listed
1971	T.C. Williams High School High	N- Not listed S- Not Listed E- Not listed W- Not listed
1974	Not listed	N- (2400 Kenwood Avenue): Blessed Sacrament Catholic Church Covenant S- Not Listed E- Not listed W- Not listed
1979	Not listed	N- (2400 & 2500): Blessed Sacrament Catholic Church Covenant, Early Childhood Creative Education Center S- Not Listed E- Not listed W- Not listed
2003	Alex City SC Training, Alexd, City SC Adult, Alexo City SC William	N- (2700 to 2759 Franklin Court, 2702 to 2726 Kenwood Avenue, 3305 to 3401 King Street): Residences, Bradlee Texaco S- Not Listed E- Not listed W- Not listed
2008	Alexandria City School Dist, Scholarship Fund of Alexandria, Step Center Public School, T.C. Williams High School High School	N- (3321 & 3401 King Street): Cadet Design Drafting Consultants LLC, King Shell S- Not Listed E- Not listed W- (3408 King Street): Oakland Baptist Church
2013	Alexandria City Public Schools, T.C. Williams High School High	N- (3401 King Street): 1 HR Emergency Locksmith Service, Dag Petroleum King St S- Not Listed E- Not listed W- (3408 King Street): Oakland Baptist Church

5.3.3 Chain of Title

Based upon the Scope of Work for this project, F&R was not contracted to provide a chain of title for this project. Under the requirements of ASTM 1527-13 it is the User's responsibility to provide a title search or negotiate a contract for the title search through F&R.



5.3.4 Sanborn Fire Insurance Maps

Sanborn Fire Insurance Maps were provided by EDR and reviewed for information concerning the previous usage of the Property. The following table depicts the information obtained during the review:

Year(s)	Property	Adjoining Properties
1941, and 1959	Seminary Public School, Dwellings	N- Roadway, beyond are Dwelling and Apartments S- Not listed E- Not listed W- Dwellings
1989, 1993, and 1996	T.C. Williams High School High School	N- Roadway, beyond are Residential Apartments S- Not listed E- Not listed W- Dwellings and Apartments

5.3.5 Historical Topographic Maps

Historical topographic maps were provided by EDR and reviewed for information concerning the previous usage of the Property and the adjacent properties. The following table depicts the information obtained during the review:

Year(s)	Quad	Property	Adjoining Properties
1900	Washington	Developed land with structures present, stream transecting from east to northwest	N- Developed land S- Undeveloped land E- Developed land, stream present W- Developed land, stream present
1945, and 1951	Alexandria	Developed land with a school present, wooded land on the western portion, a stream transects the central portion	N- Developed land S- Developed land E- Developed land, stream present W- Wooded land
1956	Alexandria	Developed land	N- Developed land S- Developed land E- Developed land W- Developed land
1965, 1971, 1972, 1979, 1983, and 2013	Alexandria	Developed land with school present	N- Developed land S- Developed land E- Developed land W- Developed land

5.3.6 Additional Historical Sources

Additional historical sources were not utilized during the course of this assessment.



6.0 SITE RECONNAISSANCE

6.1 Methodology and Limiting Conditions

Ms. Megghan Oksanen and Ms. Kelsey Townsend of F&R performed a site reconnaissance on October 17, 2016 to review current site conditions. F&R personnel walked the Property and boundaries as well as viewed the interior of the structure on site and viewed adjacent parcels. Mr. Mario Yach, a maintenance manager for the Property, accompanied F&R on the Property reconnaissance and provided information that is included in this section.

6.2 General Site Setting/Characteristics

The Property is located within a suburban commercial land use area. Properties located in the vicinity of the Property include Chinguapin Parks and Recreational Center, Shell Gas Station, Oakland Baptist Church, Kings Dry Cleaners, and various residential buildings and complexes. Please see Appendix A for the Site Observation Map.

6.3 Potential Environmental Conditions

6.3.1 Hazardous Materials Storage

Various hazardous materials were observed in the automotive classroom located on the Property at the time of the reconnaissance. The hazardous materials are utilized for vehicle maintenance and repair education and consisted of one 55-gallon metal drum for used antifreeze in secondary containment and numerous five gallon or less containers of oil, transmission fluid, brake fluid, steering fluid, etc. The used antifreeze is removed and disposed of by Safely Kleen on an as needed basis. See Appendix F for removal documentation

Obvious evidence of hazardous materials or regulated substances being improperly stored, dumped, or spilled on the Property (e.g., surface staining, stressed or dead vegetation, unusual odors, etc.) was not observed.

6.3.2 Polychlorinated Biphenyls (PCBs)

Electrical equipment manufactured prior to 1979 has the potential for containing PCBs and therefore subject to regulation by the United States Environmental Protection Agency (EPA). If a transformer is labeled with a blue or black dot, this indicates that the transformer has been tested for the presence of PCBs and contained concentrations of PCBs less than 50 parts per million (ppm), or it was manufactured after 1978.

Five pad-mounted electrical transformers were observed on site and appeared to be in good condition. Obvious evidence of leaking or staining was not observed and the transformers were labeled with a blue dot. Based upon this information, the transformer is presumed to be non-PCB containing and is not a concern at this time.

Additionally, 4 hydraulic/hydraulic-electric lifts were observed on site and are located within the automobile shop area of the building on the Property. These lifts are hydraulic-electric lifts that contain above ground hydraulic fluid reservoirs. These lifts were reportedly installed in 2007 when the facility was constructed. These lifts have not been reported as inoperative and leaks or spills associated with the lifts have not been reported and are not considered a REC.



6.3.3 Storage Tanks or Pipelines

F&R observed one, 350-gallon used oil AST located in the automobile shop in the school on the Property. The used oil is removed and disposed of by Safely Kleen on an as needed basis. See Appendix F for removal documentation. One 600-gallon diesel AST associated with the generator is located on the southwest exterior of the building. These single-walled, steel tanks are situated on a concrete pad. Cracked concrete was not observed in the immediate vicinity of the ASTs and obvious evidence of significant spilling or staining was not observed at or near the ASTs. Based on this information, the ASTs are not considered a REC.

F&R also observed one 450,000-gallon underground stormwater cistern located on the north eastern portion of the Property. See Section 6.3.5 for additional information.

6.3.4 Drinking Water/Sewer System

The Property receives its drinking water from the City of Alexandria, which is serviced by the Virginia American Water. The source of the water is the Potomac River. The Property relies upon municipal sanitary sewer service provided by the City of Alexandria.

6.3.5 Wastewater

A 450,000-gallon underground stormwater cistern is located on the northeastern portion of the Property. This system collects rain and stormwater runoff which in turn is used to flush toilets, operate cooling towers, and for irrigation purposes.

6.3.6 Pits, Ponds, And Lagoons

F&R did not observe pits, ponds, or lagoons on site.

6.3.7 Additional Observations

Additional items of concern were not observed on the Property.

7.0 INTERVIEWS

F&R personnel interviewed various persons familiar with the Property and surrounding properties. Details are as follows.

7.1 Interview with Site Owner/Manager

F&R interviewed Mr. Mario Yach, a maintenance manager of the high school. Mr. Yach stated he has been familiar with the Property since 2007 when T.C. Williams High School reopened after construction. The facility was constructed in 2007 and has been utilized as a public school. Mr. Yach stated that the high school was formerly located where the current parking garage structure is, but has since been torn down. Mr. Yach stated the facility is heated and cooled through an electric HVAC system and through solar panels. He stated he is unaware of incidents involving hazardous materials or petroleum products that have been improperly stored, spilled or leaked at the Property or adjacent areas. Mr. Yach also affirmed that he is unaware of incidents involving hazardous materials or petroleum products that have been



improperly stored, spilled or leaked at the Property or adjacent areas and that he is unaware of off-site fill material or USTs on the Property currently or in the past.

7.2 Interviews with Local Government Officials

Fire Officials

F&R contacted the City of Alexandria Fire Inspections and Investigations Department to request information regarding responses of the respective departments to emergency situations that include fires, chemical spills, hazardous material releases (HAZMAT team responses), and incidents of environmental concern on or in the immediate vicinity of the Property. F&R has not received a response as of the issuance of this report; however, if pertinent information is received, F&R will forward it to the client.

Building Department

F&R contacted the City of Alexandria Building Department to request information on USTs or environmental concerns on the Property. F&R has not received a response as of the issuance of this report; however, if pertinent information is received, F&R will forward it to the client.

Health Department

F&R contacted the city of Alexandria Health Department to request information on groundwater or drinking water well contamination in the vicinity of the Property. F&R has not received a response as of the issuance of this report; however, if pertinent information is received, F&R will forward it to the client.

7.3 Interview with Others

Additional interviews were not conducted during the course of this assessment.

8.0 FINDINGS AND CONCLUSIONS

8.1 Findings

During the course of this Phase I ESA, recognized environmental conditions (RECs), controlled recognized environmental conditions (CRECs), and de minimis conditions were not identified in association with the Property. Historical recognized environmental conditions (HRECs) and non-scope considerations were identified.

8.1.1 Recognized Environmental Conditions

This assessment did not identify RECs.

8.1.2 Controlled Recognized Environmental Conditions

This assessment did not identify CRECs.

8.1.3 Historical Recognized Environmental Conditions

This assessment has revealed evidence of two HRECs associated with the Property:



- One bare steel 2,000-gallon used oil UST was installed in May 1967. The UST was removed in 1991 from approximately 56 feet west of the school building. According to the UST Closure Report dated September 10, 1998 by Environmental Consultants and Contractors, Inc. (ECC), approximately 10,202 gallons of petroleum product and water were removed from the UST by Tri County Industries and 397.34 tons of contaminated soil were removed by EnviroTech Mid-Atlantic. ECC collected two soil samples from the former UST basin in order to determine if contamination was present. The soil samples indicated concentrations of 82 and 110 parts per million of total petroleum hydrocarbons - diesel range organics (TPH-DRO). The results were submitted to the DEQ in July 1998 and a pollution complaint 1999-3002 was opened. Following review, DEQ determined that the petroleum levels did not represent an identified risk to human health and the environment and the case was closed in November 1998.
- Pollution complaint 2005-3085 was opened in September 2004. One 200-gallon diesel UST associated with the generator was removed from the Property in September 2004 by Apex Environmental, Inc. Approximately 14 gallons of product were removed prior to the excavation and disposal of the UST. The UST was reported as in poor condition, with soil staining and petroleum odors observed. Two soil samples collected from the former tank basin indicated concentrations of 34,000 and 31,000 parts per million (ppm) TPH-DRO and 7,000 and 5,100 ppm total petroleum hydrocarbons gasoline range organics (TPH-GRO); which exceed the Virginia Department of the Environment (VDEQ) UST closure reporting requirements of 100 ppm TPH. Additionally, 120 and 87 ppm of xylenes were reported which exceeds the VDEQ Voluntary Remediation Program (VRP) Tier II screening concentration. Toluene, ethyl-benzene, and total BTEX were also identified in the soil samples. The results were reported to the VDEQ and the case was opened on October 1, 2004. On December 13, 2004, Triad Engineering excavated 37.3 tons of petroleum impacted soil from the vicinity of the former tank pit. Two soil samples were collected from the excavated tank pit. The samples indicated concentrations of 1,300 and 310 ppm TPH-DRO, and 6.1 and 5.6 ppm TPH-GRO. Additionally, naphthalene was identified at 2.6 ppm, above the VDEQ VRP Tier II screening levels. Ethyl-benzene, xylenes, and total BTEX were identified below the screening limits. On December 15, 2004, three monitoring wells were installed within the vicinity of the former tank pit. The groundwater samples did not indicate concentrations of TPH-DRO, TPH-GRO, BTEX, MTBE, or naphthalene above the laboratory reporting limits. In February 2005, the VDEQ determined that the contamination levels did not represent an identified risk to human health and the environment and the case was closed.

In 2007, the former tank pits and surrounding vicinity were demolished, graded, and developed with the current structure. Based on the case closure and redevelopment, the LUST cases are an HREC.

8.1.4 De Minimis Conditions or ASTM Non-Scope Concerns

This assessment identified two non-scope considerations, including the following:

- Obvious evidence of damaged friable asbestos was not observed. However, asbestos was identified in the concessions stand door caulking.
- Lead-based paint has been identified on-site.



8.2 Opinion

It is F&R's opinion that on site conditions, observations, and research did not reveal evidence of RECs, CRECs, and de minimis conditions. HRECs and non-scope considerations were identified.

8.3 Conclusions and Recommendations

F&R has performed a Phase I Environmental Site Assessment in general conformance with the scope and limitations of ASTM Practice E 1527-13 of the T.C. Williams High School located at 3330 King Street in Alexandria, Virginia, the Property. Any exceptions to, or deletions from, this practice are described in Section 9.0 of this report. This assessment has not revealed evidence of RECs in association with the Property. However, the following HRECs and non-scope considerations were identified:

The following HRECs were identified:

- One bare steel 2,000-gallon used oil UST was installed in May 1967. The UST was removed in 1991 from approximately 56 feet west of the school building. According to the UST Closure Report dated September 10, 1998 by Environmental Consultants and Contractors, Inc. (ECC), approximately 10,202 gallons of petroleum product and water were removed from the UST by Tri County Industries and 397.34 tons of contaminated soil were removed by EnviroTech Mid-Atlantic. ECC collected two soil samples from the former UST basin in order to determine if contamination was present. The soil samples indicated concentrations of 82 and 110 parts per million of total petroleum hydrocarbons - diesel range organics (TPH-DRO). The results were submitted to the DEQ in July 1998 and pollution complaint 1999-3002 was opened. Following review, DEQ determined that the petroleum levels did not represent an identified risk to human health and the environment and the case was closed in November 1998.
- Pollution complaint 2005-3085 was opened in September 2004. One 200-gallon diesel UST associated with the generator was removed from the Property in September 2004 by Apex Environmental, Inc. Approximately 14 gallons of product were removed prior to the excavation and disposal of the UST. The UST was reported as in poor condition, with soil staining and petroleum odors observed. Two soil samples collected from the former tank basin indicated concentrations of 34,000 and 31,000 parts per million (ppm) TPH-DRO and 7,000 and 5,100 ppm total petroleum hydrocarbons gasoline range organics (TPH-GRO); which exceed the Virginia Department of the Environment (VDEQ) UST closure reporting requirements of 100 ppm TPH. Additionally, 120 and 87 ppm of xylenes were reported which exceeds the VDEQ Voluntary Remediation Program (VRP) Tier II screening concentration. Toluene, ethyl-benzene, and total BTEX were also identified in the soil samples. The results were reported to the VDEQ and the case was opened on October 1, 2004. On December 13, 2004, Triad Engineering excavated 37.3 tons of petroleum impacted soil from the vicinity of the former tank pit. Two soil samples were collected from the excavated tank pit. The samples indicated concentrations of 1,300 and 310 ppm TPH-DRO, and 6.1 and 5.6 ppm TPH-GRO. Additionally, naphthalene was identified at 2.6 ppm, above the VDEQ VRP Tier II screening levels. Ethyl-benzene, xylenes, and total BTEX were identified below the screening limits. On December 15, 2004, three monitoring wells were installed within the vicinity of the former tank pit. The groundwater samples did not indicate concentrations of TPH-DRO, TPH-GRO, BTEX, MTBE, or naphthalene above the laboratory reporting limits. In February



2005, the VDEQ determined that the contamination levels did not represent an identified risk to human health and the environment and the case was closed.

In 2007, the former tank pits and surrounding vicinity were demolished, graded, and developed with the current structure. Based on the case closure and redevelopment, the LUST cases are an HREC.

This assessment identified two non-scope considerations, including the following:

- Obvious evidence of damaged friable asbestos was not identified. However asbestos was identified in the concessions stand door caulking. F&R recommends compliance with local, state and federal regulations.
- Lead-based paint has been identified on-site. F&R recommends compliance with local, state and federal regulations.

9.0 DEVIATIONS

There were no significant deviations from the proposed scope of work.

10.0 ADDITIONAL SERVICES

At the request of the Client, F&R evaluated the following ASTM non-scope items of environmental concern:

Asbestos

Prior to renovation or demolition of a structure, the facility or affected portion of the facility must be inspected for asbestos per EPA's National Emissions Standard for Hazardous Air Pollutants (40 CFR Part 61).

F&R conducted a limited asbestos survey and sampling event on October 17, 2016 to identify any suspect asbestos containing building materials within the football stadium and concession stand. See Appendix F for asbestos and lead survey reports. The following items tested positive for asbestos:

- Exterior concession stand door frame caulking

Lead-Based Paint

The Property is also regulated under US EPA's Renovation, Repair and Painting (REP) Rule. If renovations are to be performed on the structure, the REP rule requires that the renovations be performed by a certified firm using certified renovators utilizing lead-safe work practices.

F&R conducted a Lead-Based Paint Inspection on October 17, 2016 to identify any lead-based paint building materials within the football stadium and concession stand. The following items tested positive for lead-based paint:

- bleacher handrails
- bleacher stringer
- bleacher support rails
- bleacher support beams
- concession stand gray metal door



- concession stand red exterior brick wall

Wetlands

F&R performed a limited visual assessment of potential wetland areas on the Property and a review of the USGS Topographic Map and the National Wetlands Inventory (NWI) map included in the EDR Geocheck Report. Wetlands and/or Waters of the US are not depicted on the USGS Topographic Map or the NWI map. Additionally, potential wetlands and/or Waters of the US were not observed on the Property during F&R's site reconnaissance.

Floodplains

According to FEMA Flood Insurance Rate Map (FIRM) #12345C-6789E, dated April 4, 2006, the Property is located in Zone X, designated as an area outside the 100 and 500-year flood zones and the flood potential for the Property is minimal.

Coastal Zone

The Property is not located in one of the 29 coastal counties protected by the Virginia Coastal Zone Management Program (VCZMP). Therefore, the preparation of a VCZMP permit due to impacts to beaches or other Geographic Areas of Particular Concern protected by VCZMP is not likely to be required.

Mold

F&R performed a limited visual evaluation of the interior areas of the Property. Obvious evidence of water infiltration, visual mold and/or olfactory indications of mold was not observed during the site reconnaissance. This was not intended to be a comprehensive survey, only a general visual assessment of the accessible interior areas of the site building. Mold growth and water infiltration may be present on the property and not observed due to its location in inaccessible areas.

11.0 REFERENCES

F&R utilized the following references in preparation of this report:

- Environmental Data Resources (EDR) Radius Map Report with Geocheck
- EDR Aerial Photo Decade Package
- EDR City Directory Abstract
- EDR Certified Sanborn Map Report
- EDR Historical Topographic Map Report
- Fairfax County Parcel Maps and Building Summaries available at the County Assessor's Office Website
- Fairfax County Register of Deeds Office
- USGS 7.5 minute Quadrangle of Alexandria, VA



12.0 SIGNATURES

We declare that, to the best of our professional knowledge and belief, at least one of the signatures listed below meets the definition of environmental professional as defined in Section 312.10 of 40 CFR 312. We have the specific qualifications based on education, training, and experience to assess a property of the nature, history and setting of the Property. We have developed and performed the all appropriate inquiries in accordance with the standards and practices set forth in 40 CFR Part 312.

Site Assessor: 

Megghan Oksanen
Environmental Scientist

Project Manager: 

John Love
Environmental Group Manager

Senior Reviewer: 

Christy L. Slaw
Manager, Environmental

Client Manager: 

John Love
Environmental Group Manager

Appendix A: Site Vicinity Map, Site Observation Map



Boundaries are approximate

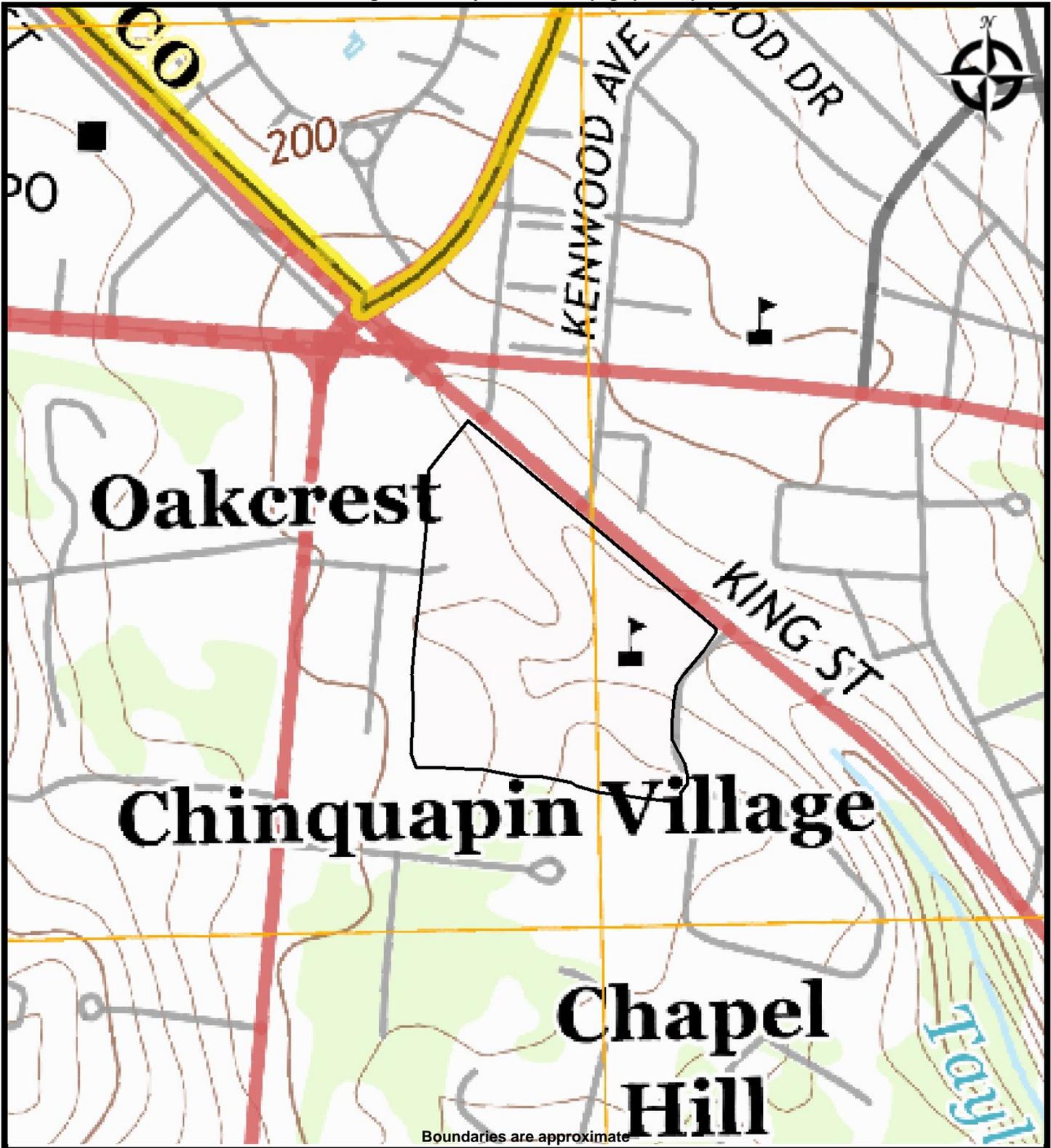


FROEHLING & ROBERTSON, INC.
Engineering Stability Since 1881

AERIAL - 2015
TC WILLIAMS
3330 King Street
Alexandria, Virginia 22302

PREPARED FOR:
PROJ. MGR:
DRAWN BY: Kelsey Townsend

DATE: 9/19/2016
PROJ. #: TC Williams



FROEHLING & ROBERTSON, INC.
Engineering Stability Since 1881

TOPO MAP - 2013
TC WILLIAMS
3330 King Street
Alexandria, Virginia 22302

PREPARED FOR:
PROJ. MGR:
DRAWN BY: Kelsey Townsend

DATE: 9/19/2016
PROJ. #: TC Williams



FROEHLING & ROBERTSON, INC.
Engineering Stability Since 1881

**STREET MAP
TC WILLIAMS
3330 King Street
Alexandria, Virginia 22302**

PREPARED FOR:
PROJ. MGR:
DRAWN BY: Kelsey Townsend

**DATE: 9/19/2016
PROJ. #: TC Williams**



SINCE 1881

FROEHLING & ROBERTSON, INC.

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 T 804.264.2701 | F 804.266.1275

SITE OBSERVATION MAP
TC Williams High School
3330 King Street
Alexandria, Virginia

Project No.:	72U-0155	Scale:	NTS
Date:	15-Nov-16	Drawn:	KT
Drawing No.:	1	Checked:	MO

Appendix B: Site Photographs



View of the northern exterior to the main building on the Property.



View to the east of the main entrance to the building on the Property.



View to the east of the northern entrance to the building on the Property.



View of the northern exterior to the main building on the Property.



View of the northern exterior to the main building on the Property.



View to the east of the northern exterior to the main building on the Property.



View of the southern exterior to the main building on the Property.



View of the southern exterior to the main building on the Property.



View of the eastern exterior of the main building on the Property.



View of the eastern entrance to the main building on the Property.



View to the southeast of the eastern exterior of the main building on the Property.



View to the north of the eastern exterior to the building on the Property.



View of the eastern exterior to the main building on the Property.



View to the west of the northern exterior to the main building on the Property.



View of the interior of the main office of the main building on the Property.



View of the interior hallway of the main building on the Property.



View of the interior of a classroom in the main building on the Property.



View of the interior of the cafeteria in the main building on the Property.



View of the interior of the cafeteria in the main building on the Property.



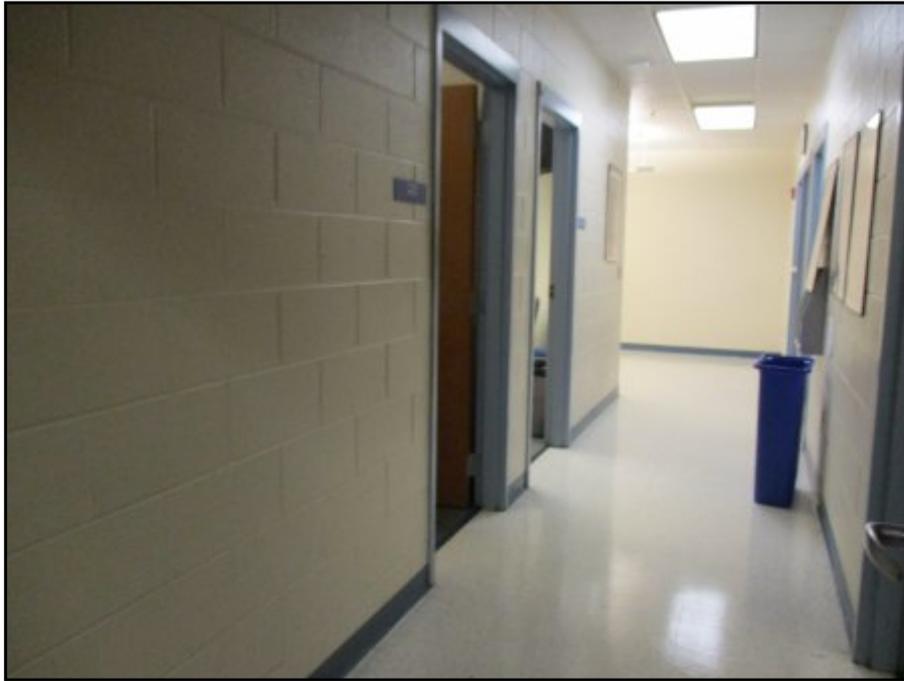
View of the interior of the cafeteria in the main building on the Property.



View of the interior of the kitchen in the main building on the Property.



View of the interior of the kitchen in the main building on the Property.



View of the hallway leading to storage for the kitchen in the main building on the Property.



View of the interior of the walk-in refrigerator in the kitchen of the main building on the Property.



View of the walk-in refrigerator in the kitchen of the main building on the Property.



View of the cooling units in the walk-in refrigerator in the kitchen of the main building on the Property.



View of the two pad-mounted transformers located in the mechanical room of the main building on the Property.



View of the electrical equipment found in the mechanical room of the main building on the Property.



View of the maintenance room of the main building on the Property.



View of the electric heating units for the maintenance room of the main building on the Property.



View of a 5-gallon container with High Octane Stripper found in the maintenance room of the main building on the Property.



View of stored materials in the maintenance room of the main building on the Property.



View of the trash compactors located on the southwestern exterior of the main building on the Property.



View of the main pad-mounted transformer for the building located on the southwestern exterior of the main building on the Property.



View of the natural gas piping found on the southwestern exterior of the main building on the Property.



View of the electrical switchboard in the mechanical room of the main building on the Property.



View of the electrical switchboard in the mechanical room of the main building on the Property.



View of the interior of the mechanical room of the main building on the Property.



View of the interior of the mechanical room of the main building on the Property.



View of stored materials in the boiler room of the main building on the Property.



View of the chilled water intakes in the boiler room of the main building on the Property.



View of the main water chiller in the boiler room of the main building on the Property.



View of the water intake piping in the boiler room of the main building on the Property.



View of the piping in the boiler room of the main building on the Property.



View of the interior of the boiler room in the main building on the Property.



View of the solvents used to clean the water system located in the boiler room of the main building on the Property.



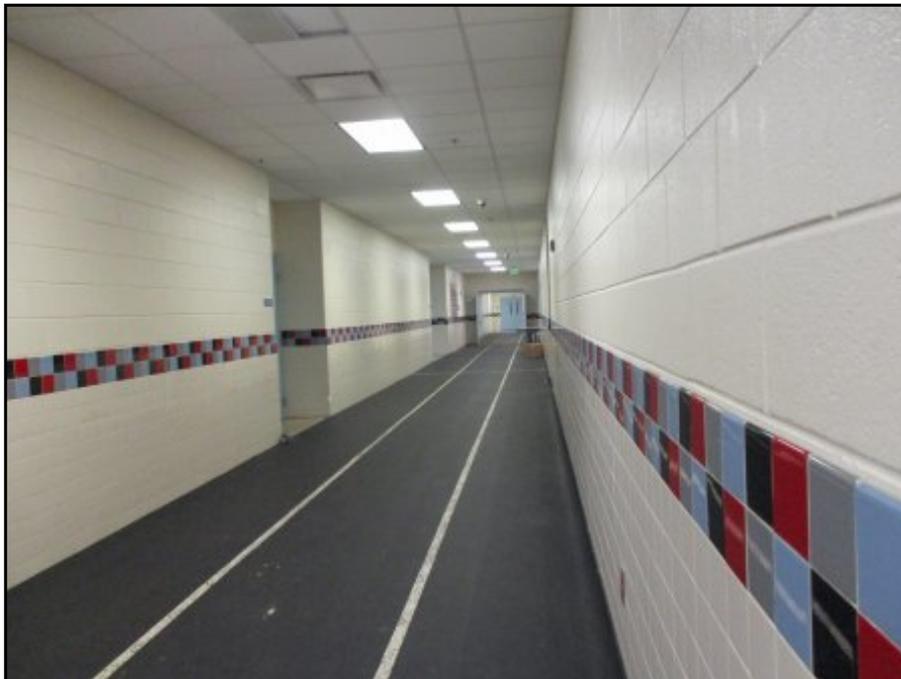
View of the water system in the boiler room of the main building on the Property.



View of the water heater in the boiler room of the main building on the Property.



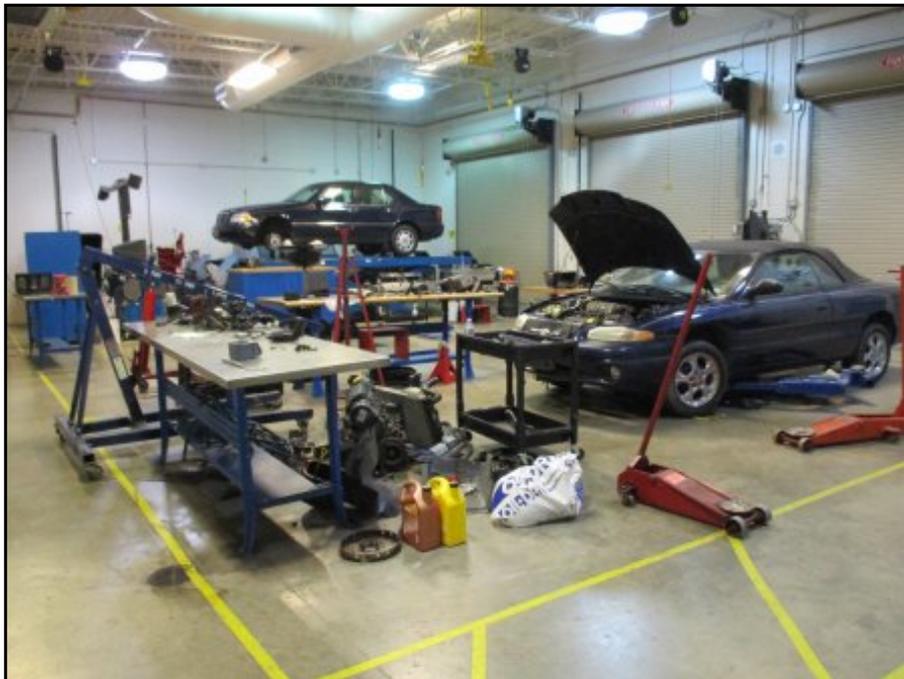
View of the entrance to the boiler room of the main building on the Property.



View of a hallway leading to the autoshop classroom in the main building on the Property.



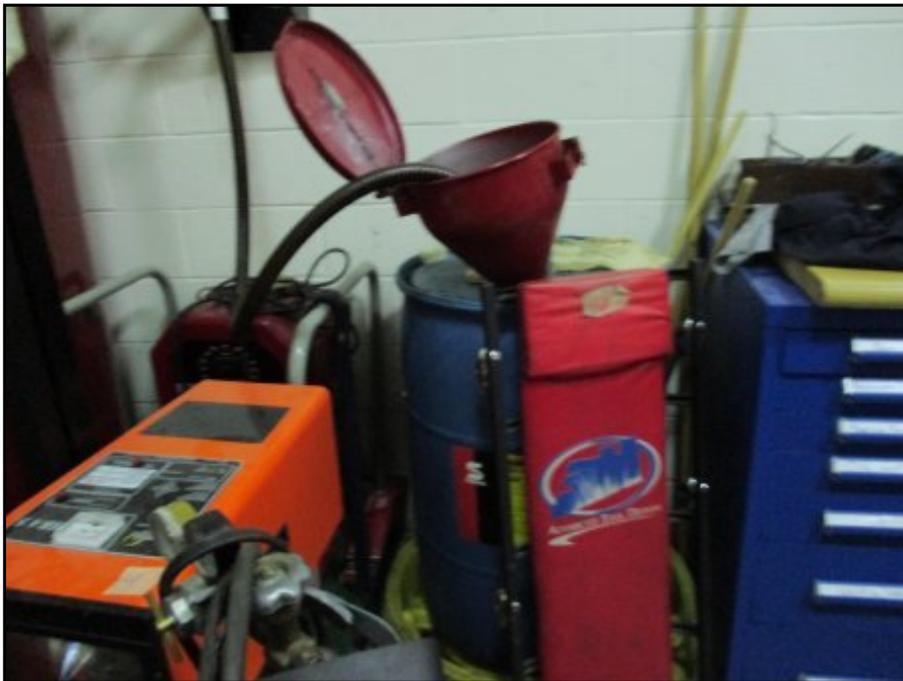
View of the entrance to the autoshop classroom in the main building on the Property.



View of the interior of the autoshop in the main building on the Property.



View of the interior of the autoshop in the main building on the Property.



View of the oil filter cleaning station in the autoshop of the main building on the Property.



View of the 55-gallon drum of used anti-freeze in secondary containment in the autoshop of the main building on the Property.



View of the electric heaters to the autoshop in the main building on the Property.



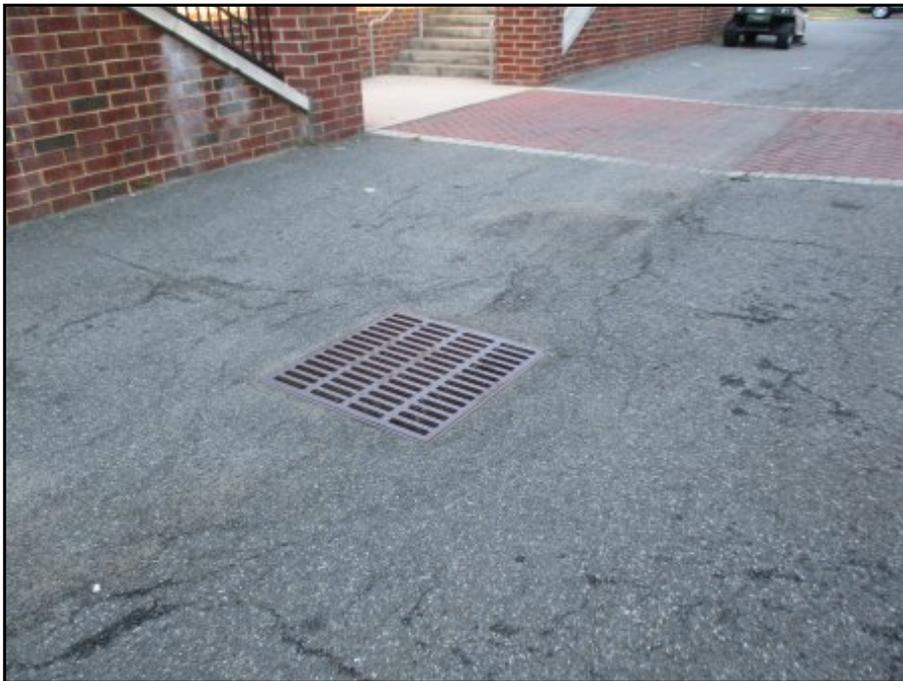
View of the in-ground lift's above-ground hydraulic reservoirs.



View of the parts cleaning station in the autoshop of the main building on the Property.



View of the interior of the gymnasium in the main building on the Property.



View of a stormwater drain located in the asphalt lot on the southern exterior of the main building on the Property.



View of the back-up generator located on the southwestern exterior of the main building on the Property.



View of the back-up generator located on the southwestern exterior of the main building on the Property.



View of stored propane and gasoline containers located on the southwestern exterior of the main building on the Property.



View of the interior of the auditorium in the main building on the Property.



View of the interior of the auditorium in the main building on the Property.



View of the interior of the auditorium in the main building on the Property.



View of the two-story concrete parking garage located on the central portion of the Property.



View of the concession stand located on the western portion of the Property.



View of the interior of the concession stand on the western portion of the Property.



View of the interior of the storage building connected to the concession stand on the western portion of the Property.



View of a 5-gallon waste water jug in the concession stand on the Property.



View of the piping to the wastewater jug in the concession stand.



View of the two-story concrete parking garage located on the central portion of the Property.



View of the two-story concrete parking garage located on the central portion of the Property.



View of the two-story concrete parking garage located on the central portion of the Property.



View of the entrance to the football stadium located on the southern portion of the Property.



View of the asphalt paved accessway to the entrance of the football stadium on the southern portion of the Property.



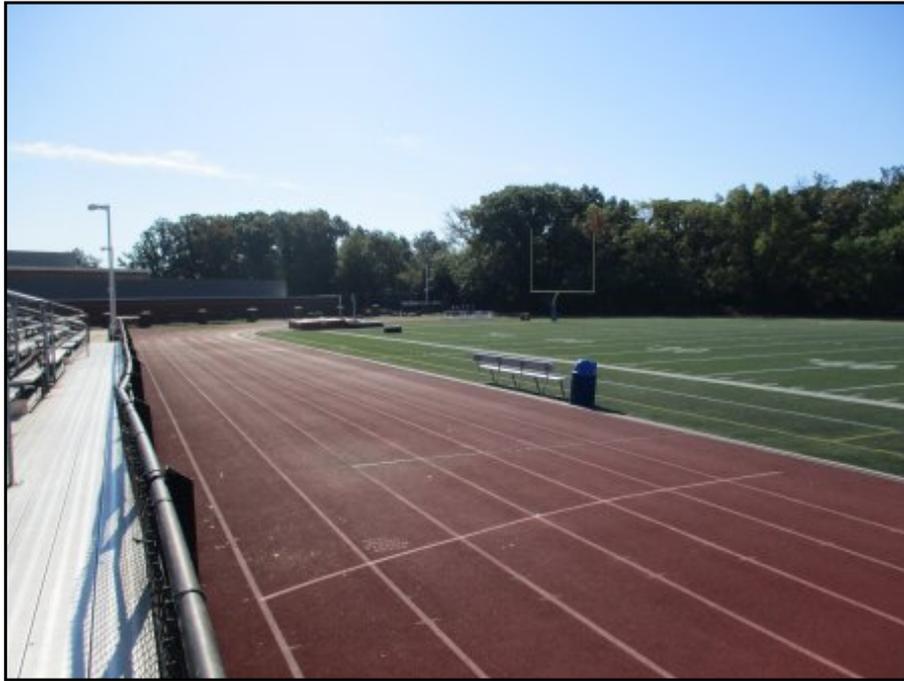
View to the southeast of the asphalt paved accessway to the entrance of the building on the Property.



View to the west of the central portion of the Property.



View of the press box for the stadium on the southern portion of the Property.



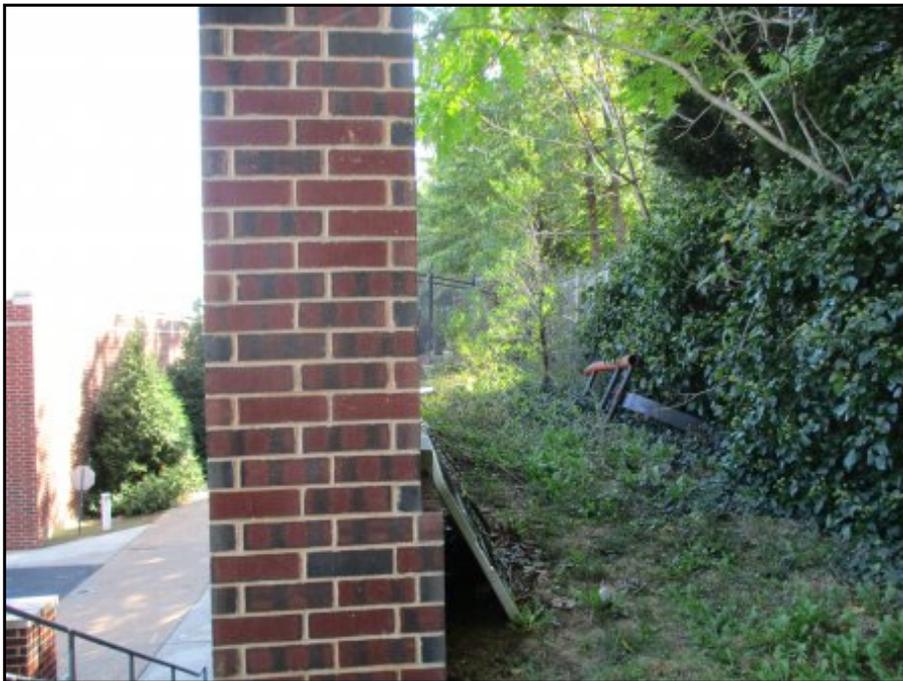
View to the east of the track and football stadium on the southern portion of the Property.



View to the east of the stadium on the southern portion of the Property.



View to the northeast of the stadium on the southern portion of the Property.



View to the north of the eastern border of the Property.



View of the visitor's bleachers at the stadium on the southern portion of the Property.



View of the long jump area for track on the southern portion of the Property.



View of the asphalt paved accessway on the western portion of the Property.



View of the asphalt paved accessway on the western portion of the Property.



View to the west of the two-story concrete parking garage located on the central portion of the Property.



View to the southeast of the entrance to the stadium located on the southern portion of the Property.



View of the location of the underground stormwater cistern located on the northern portion of the Property.



View of the location of the underground stormwater cistern located on the northern portion of the Property.



View of the entrance from the intersection of Kenwood Avenue and King Street on the northern border of the Property.



View to the west of the northern portion of the Property.



View to the east of the southern portion of the Property.



View to the north of the adjacent property to the north.



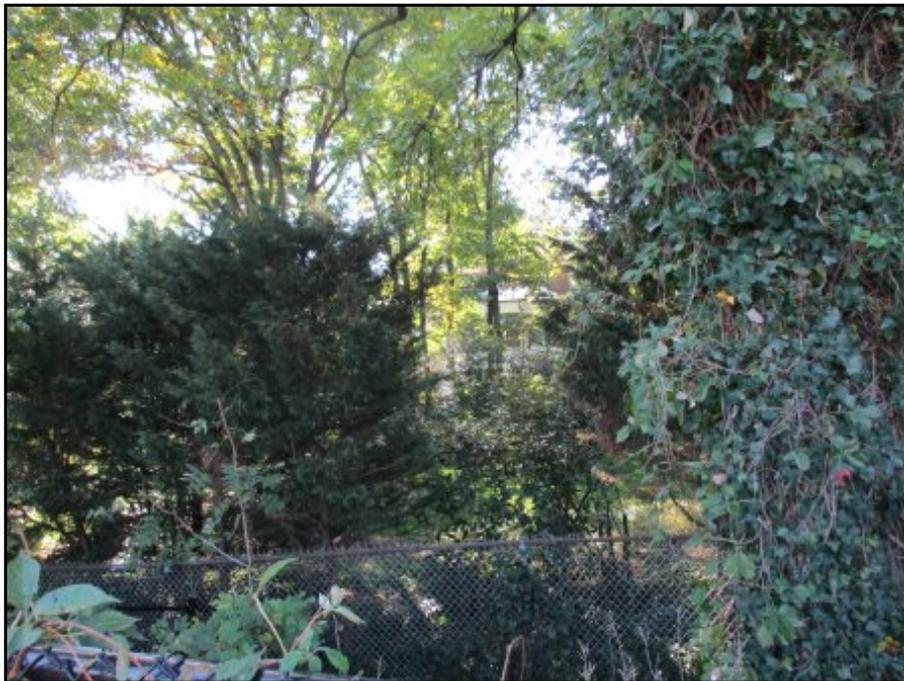
View to the north of the adjacent property to the north.



View to the northwest of the adjacent property to the northwest.



View to the east of the adjacent property to the east.



View to the south of the adjacent property to the south.



View to the south of the adjacent property to the south.

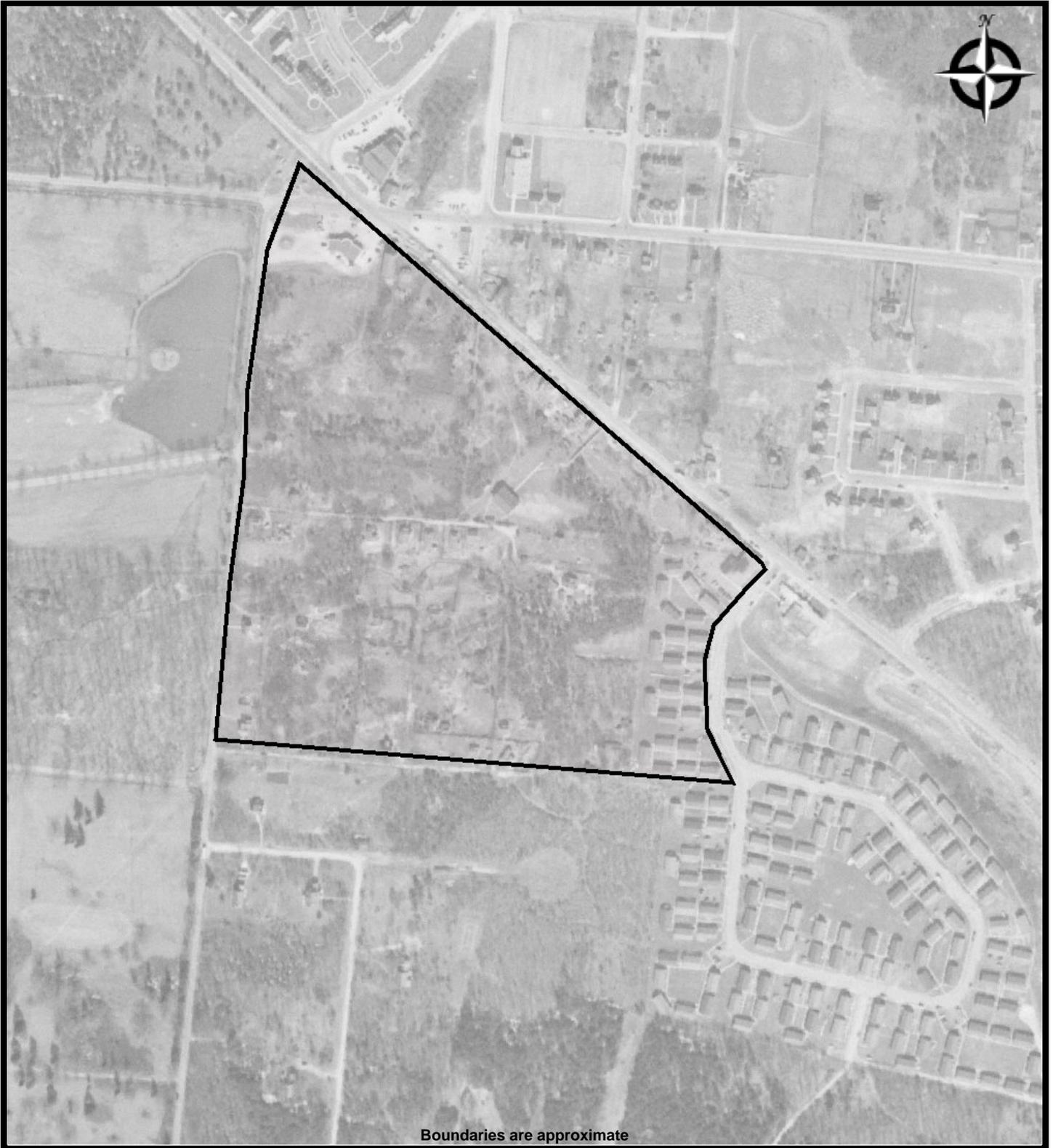


View to the southeast of the adjacent property to the east.



View to the east of the adjacent property to the east.

Appendix C: Historical Research Documents



Boundaries are approximate

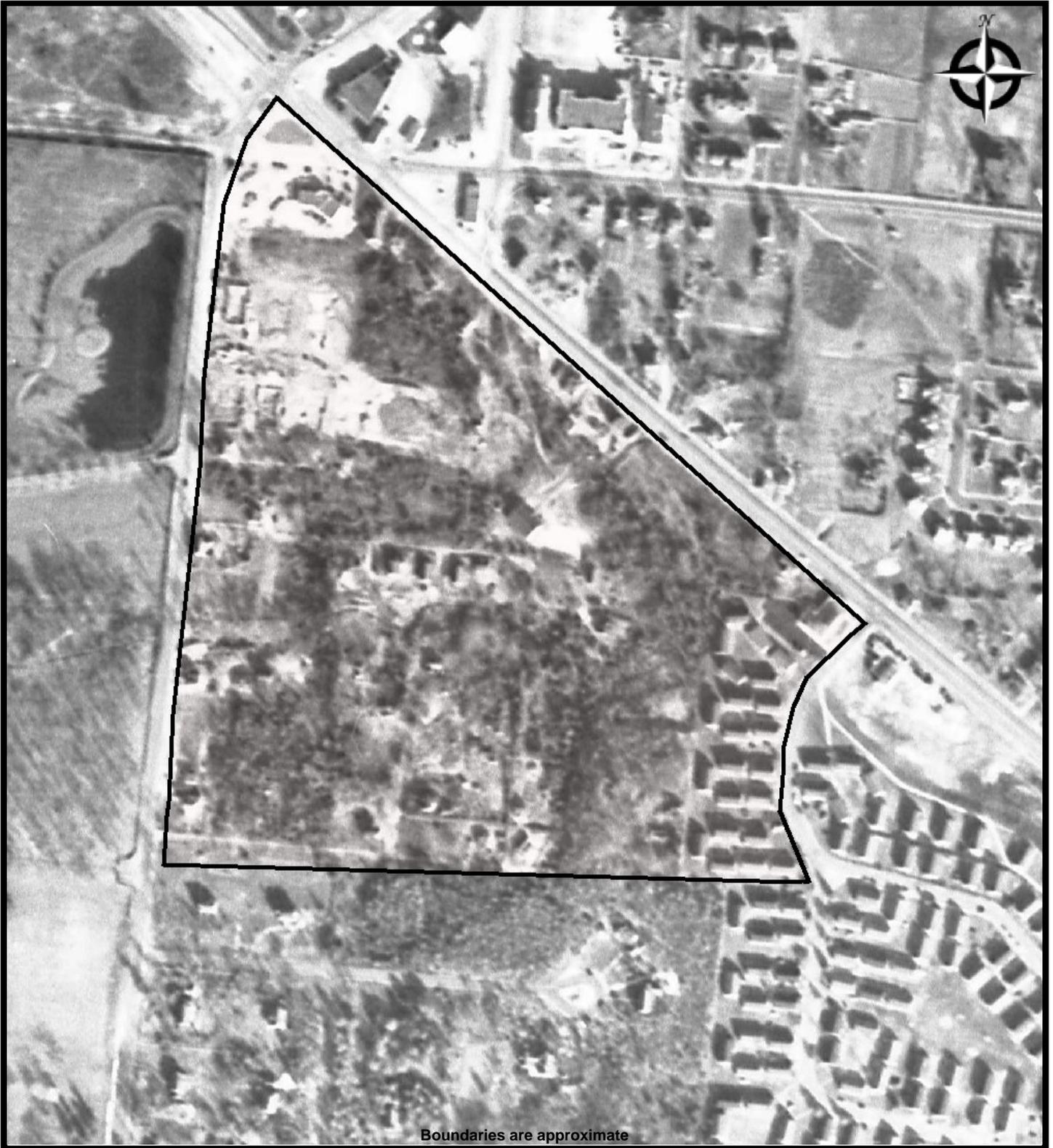


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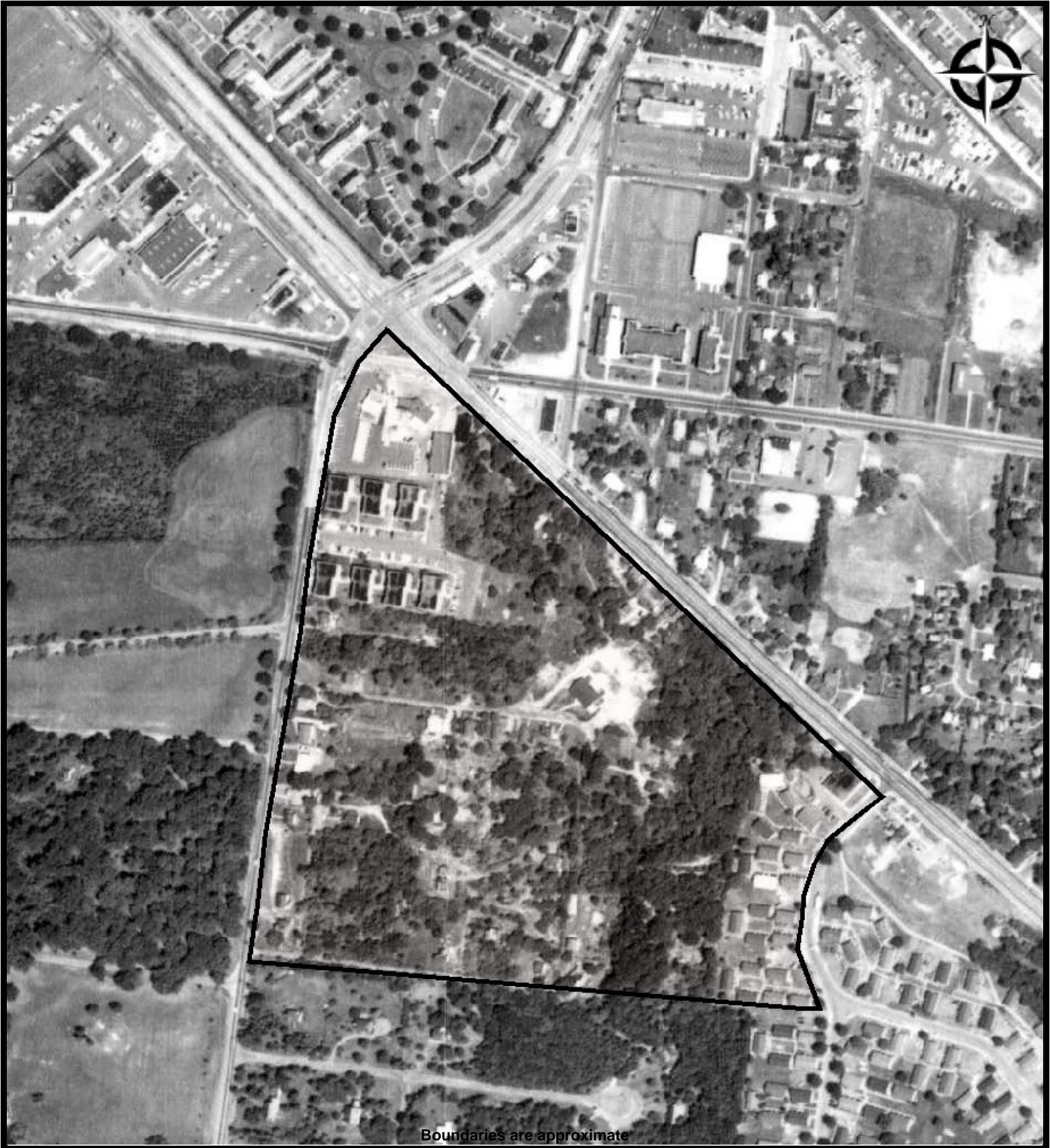


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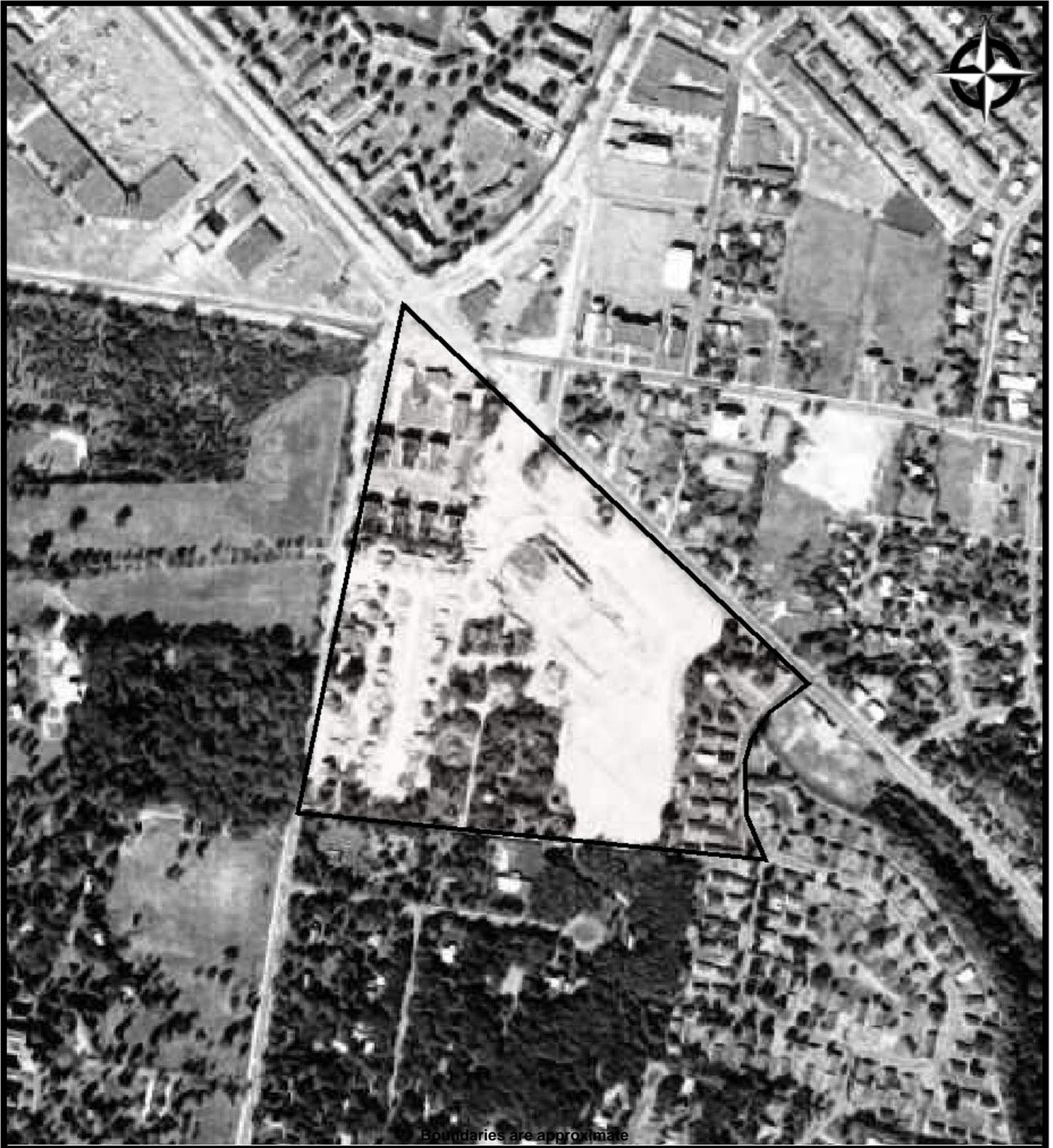
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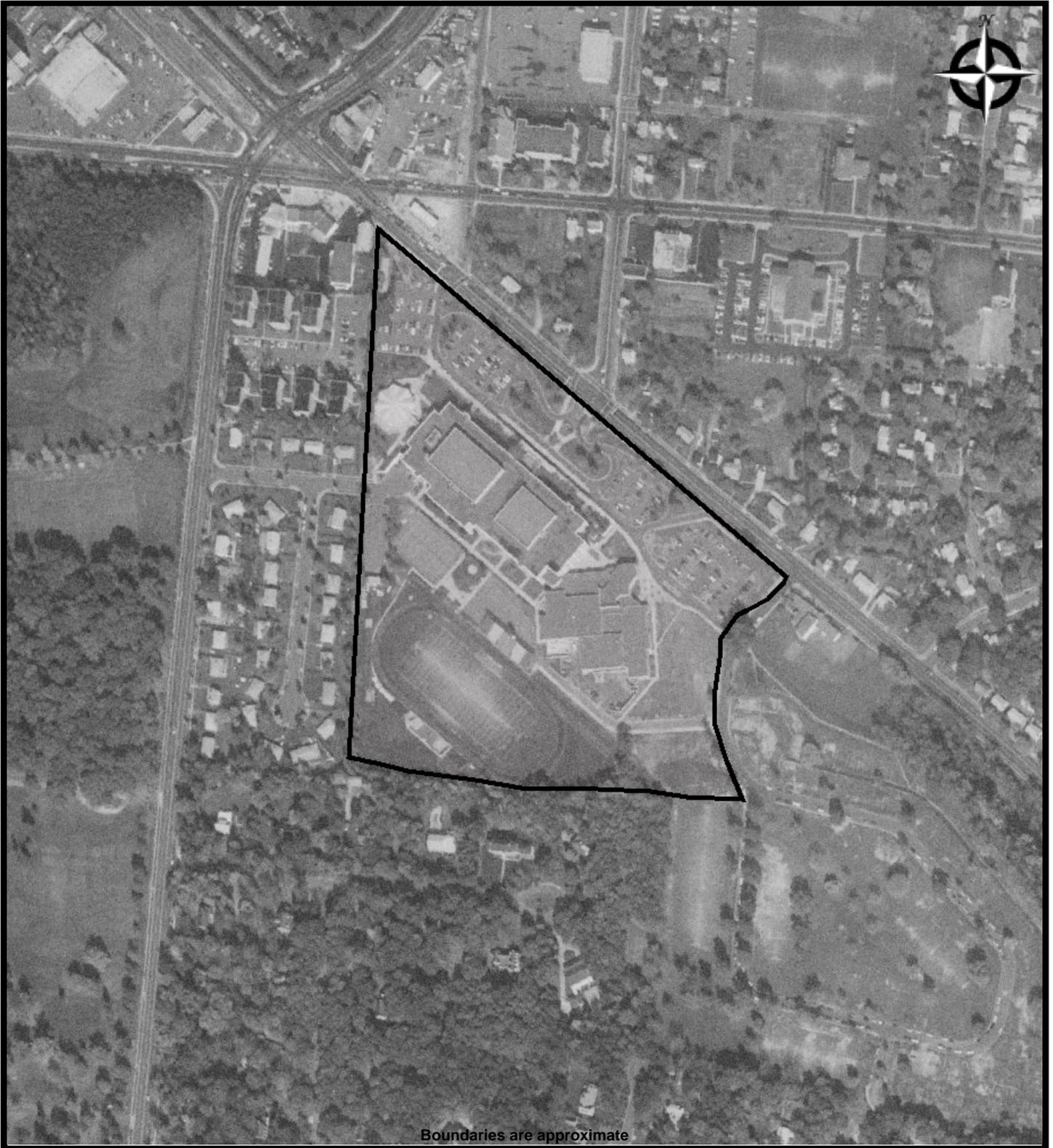


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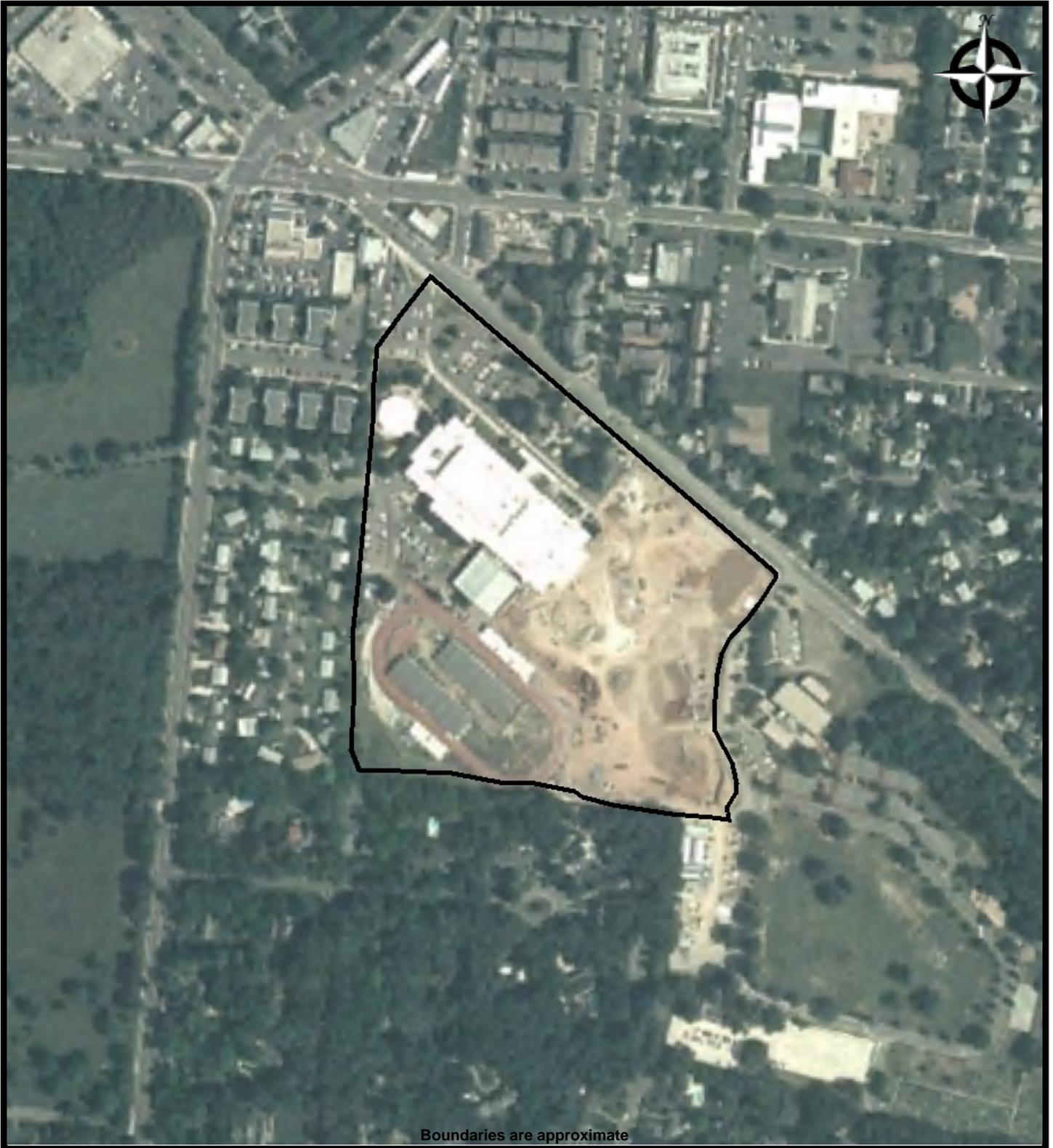


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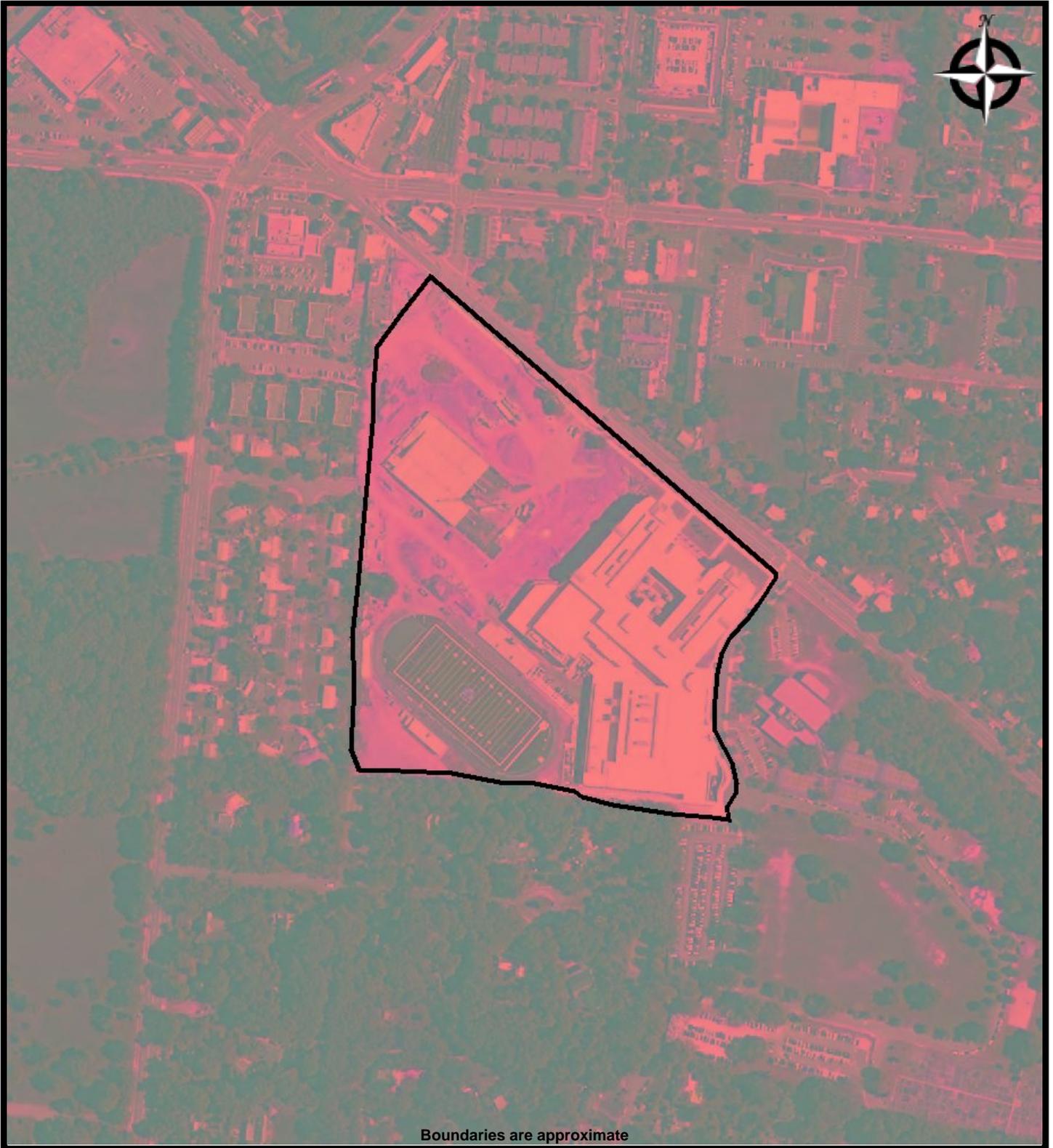


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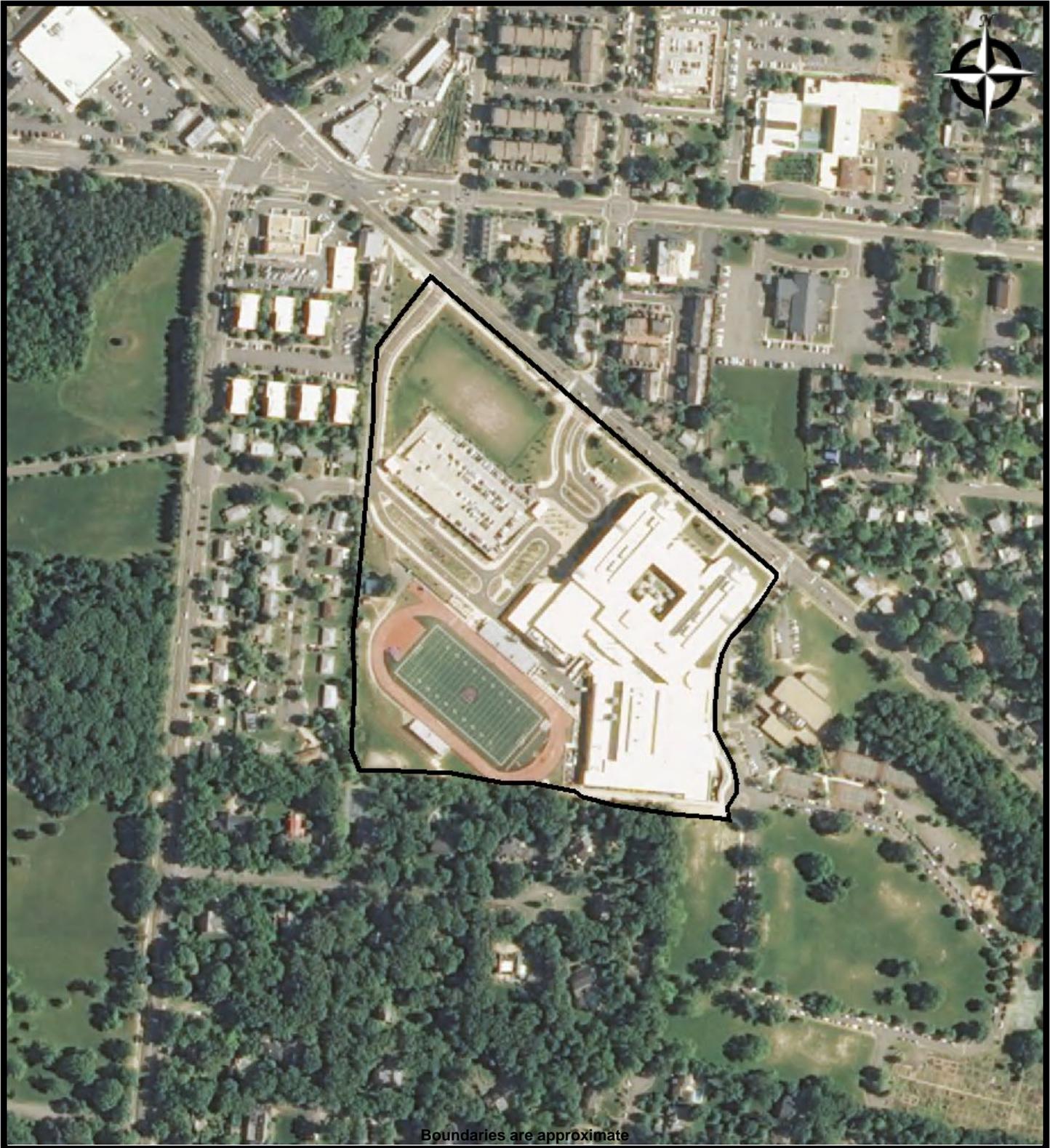


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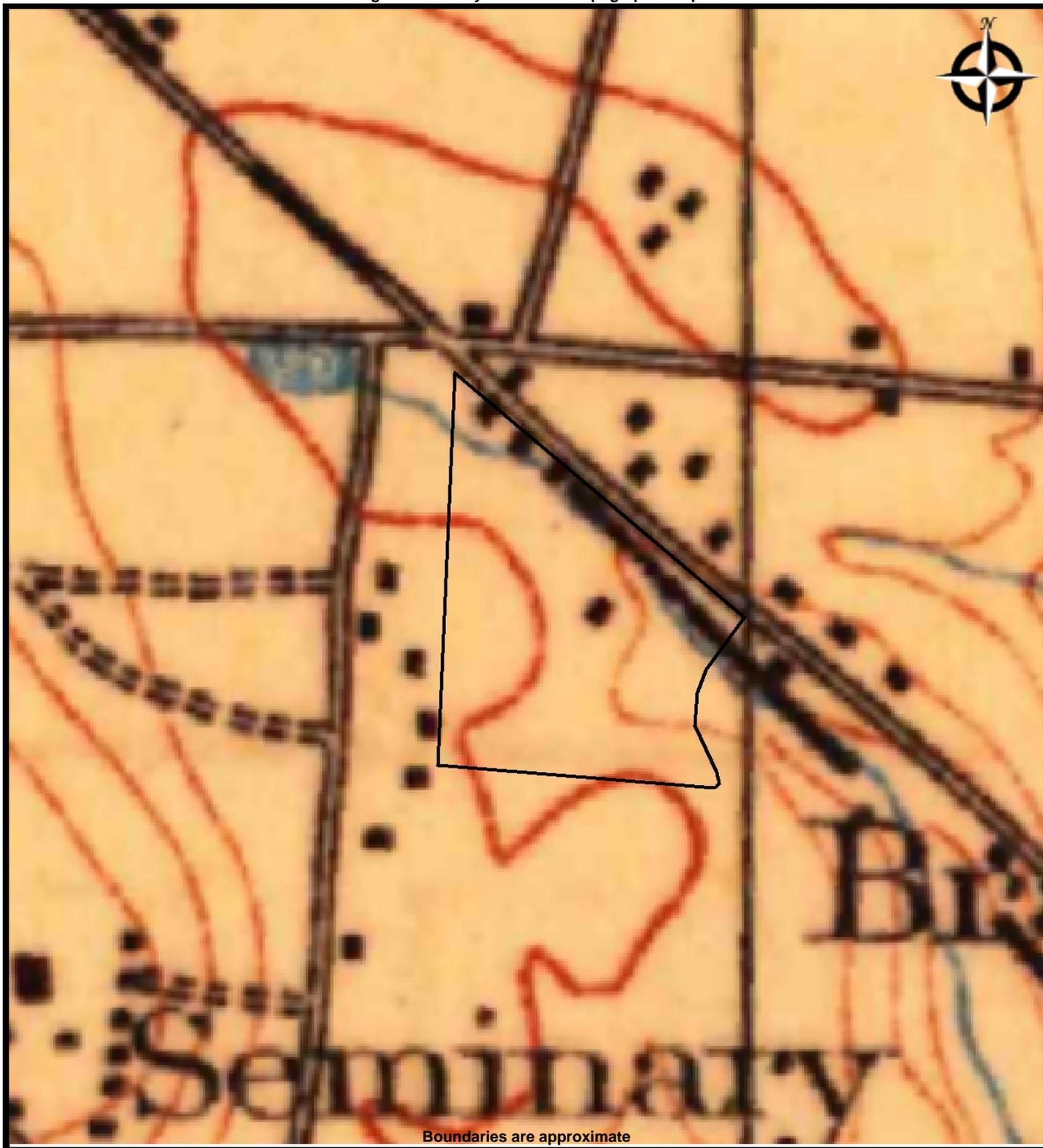


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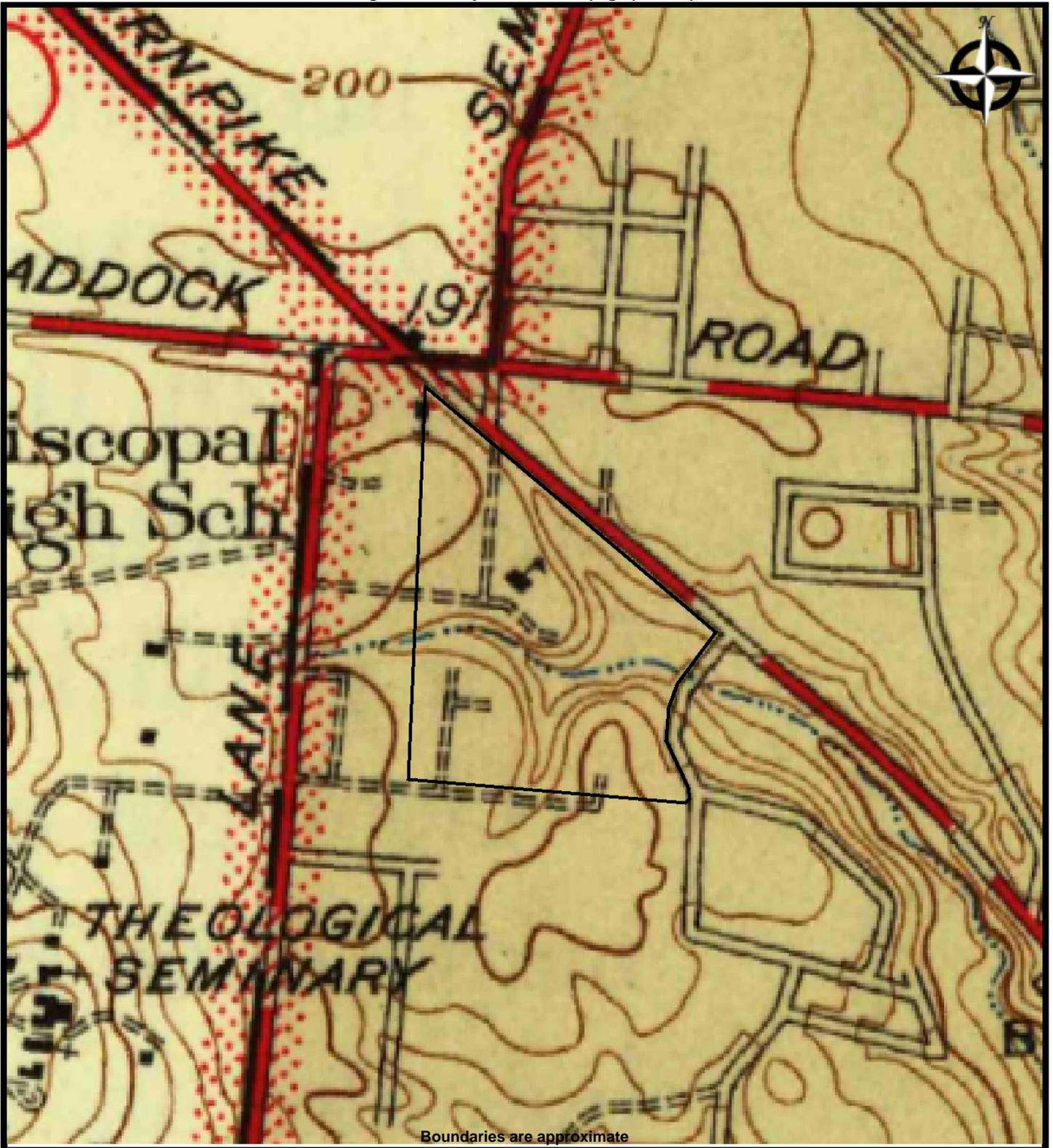


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**TOPO MAP - 1900
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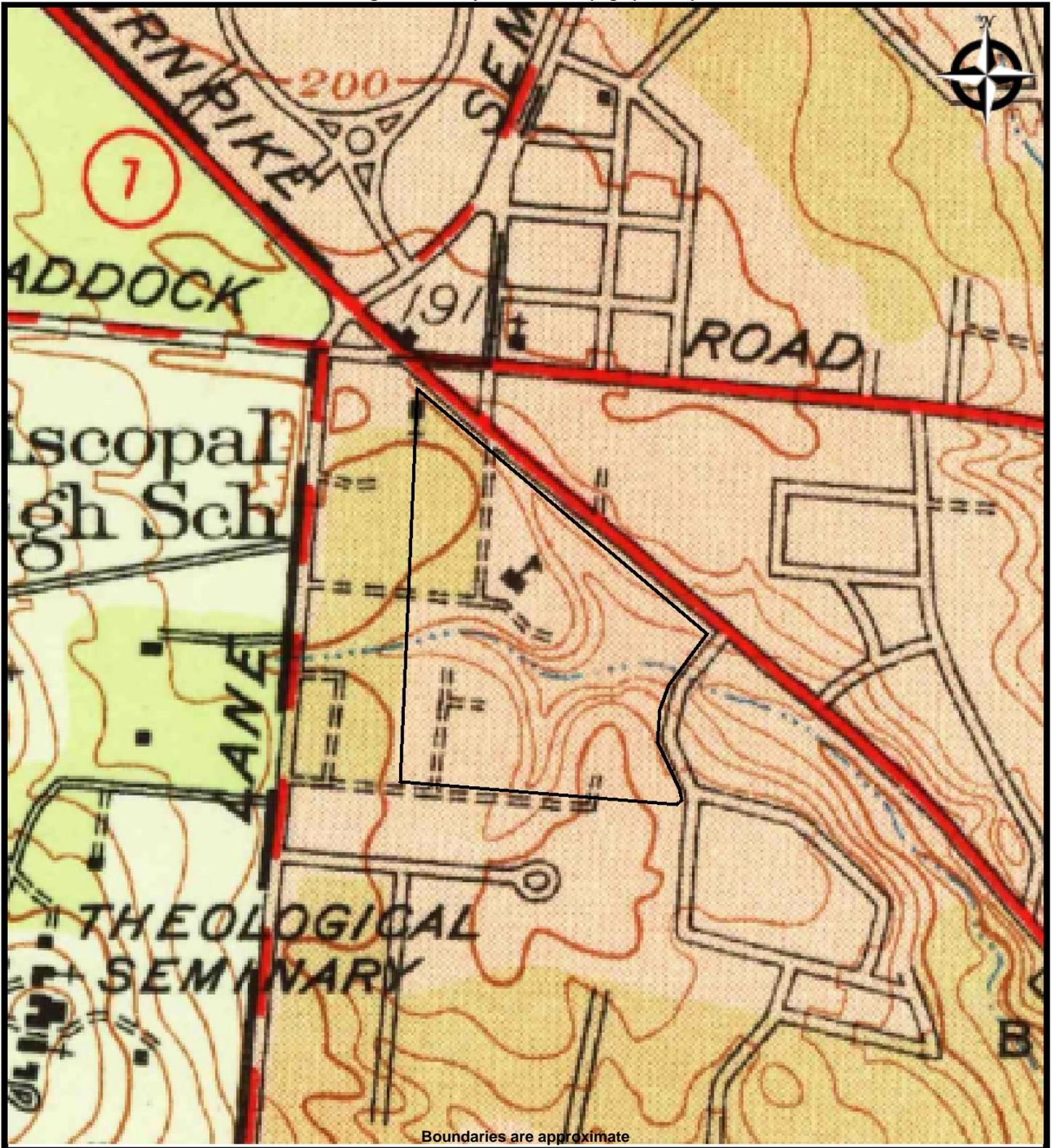


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**TOPO MAP - 1945
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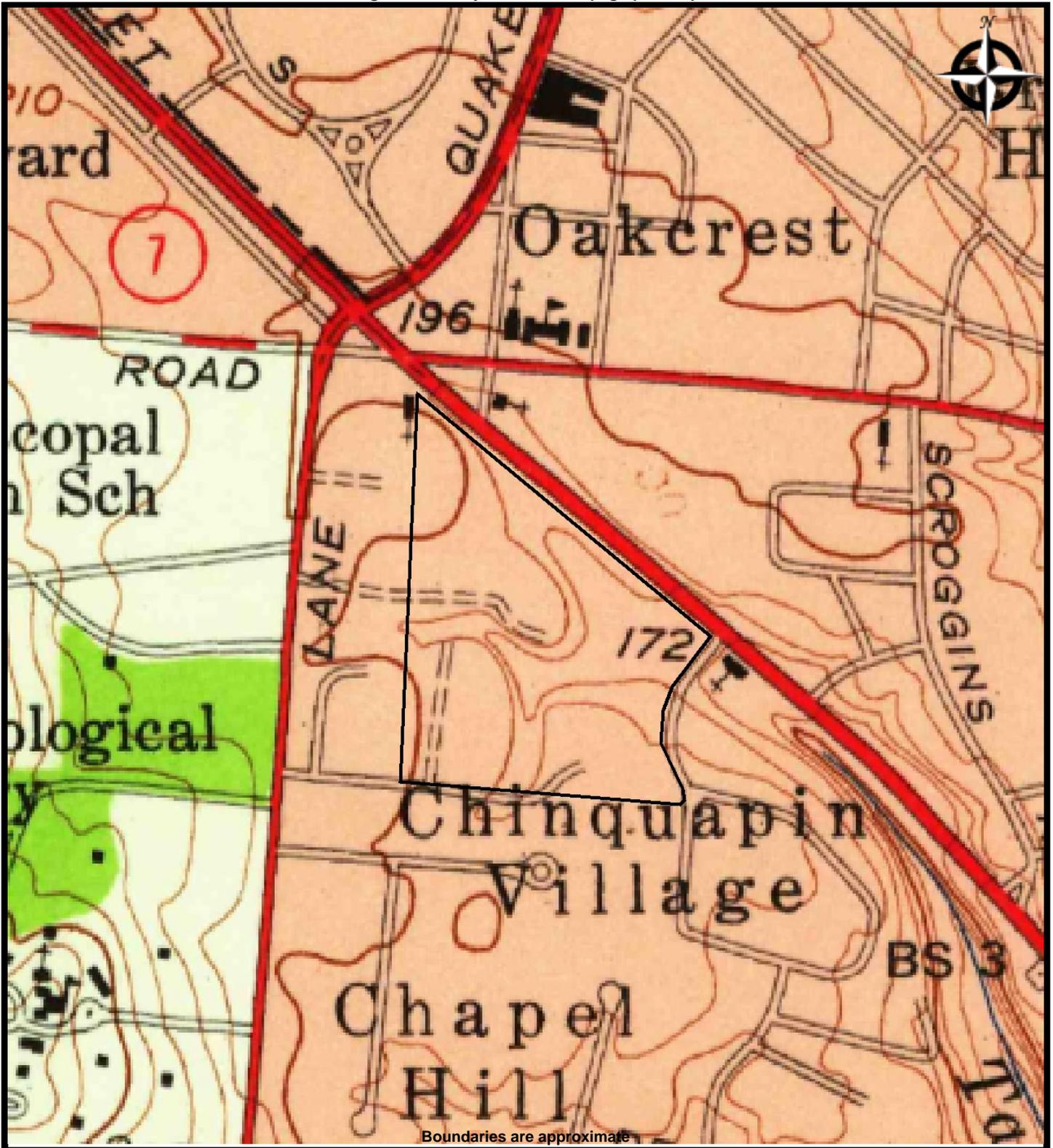


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TOPO MAP - 1951
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TOPO MAP - 1956
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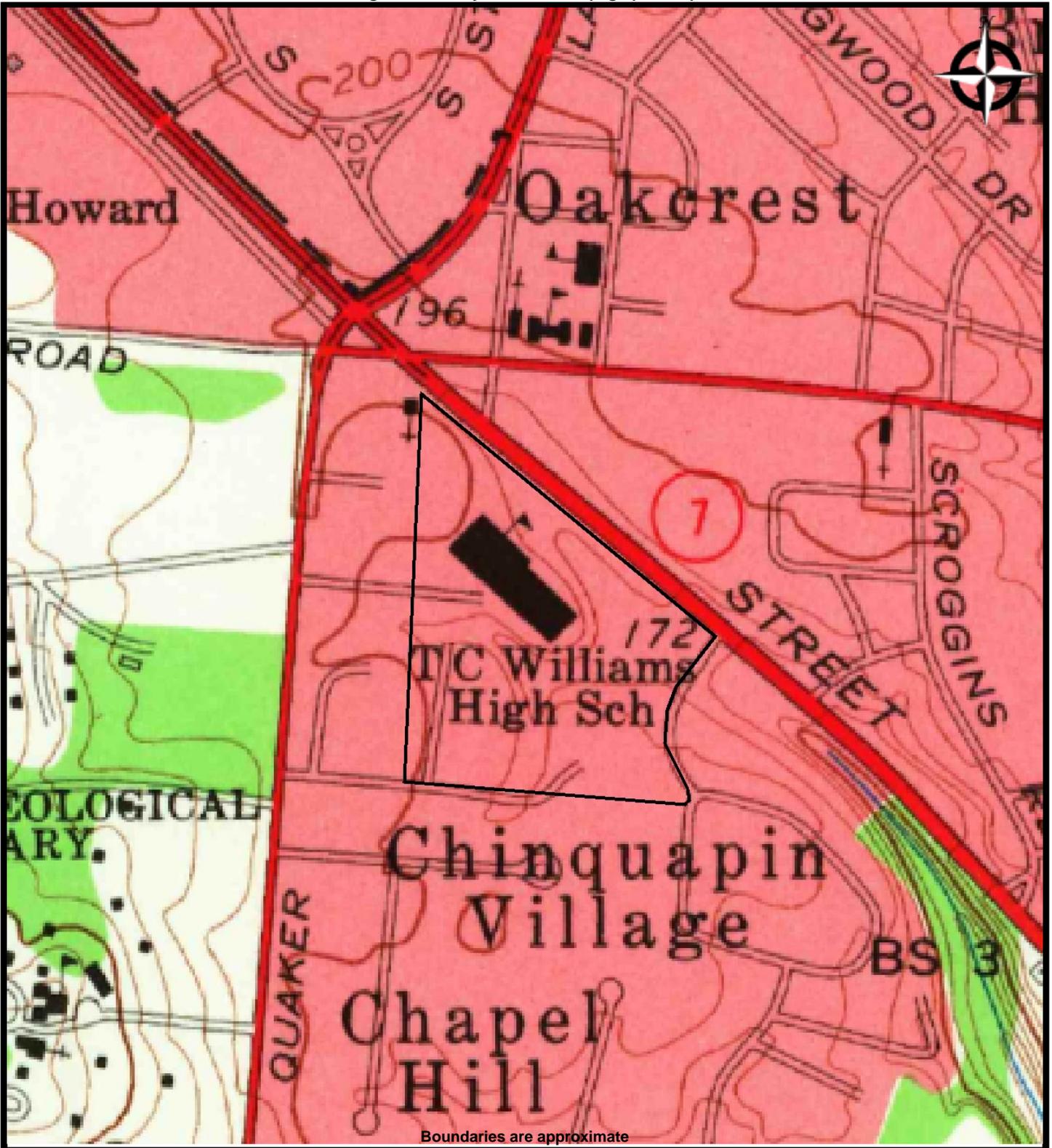
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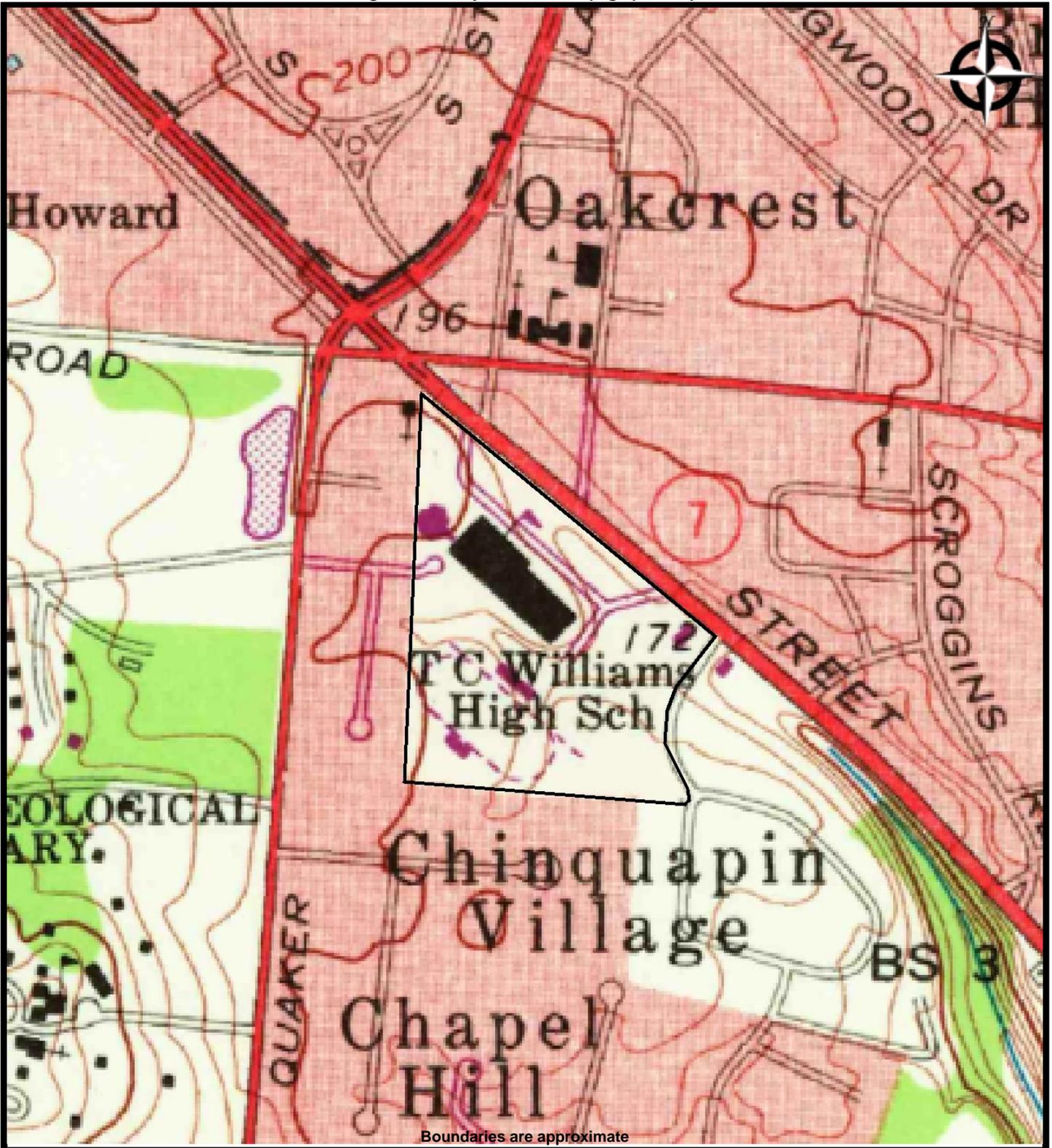


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TOPO MAP - 1965
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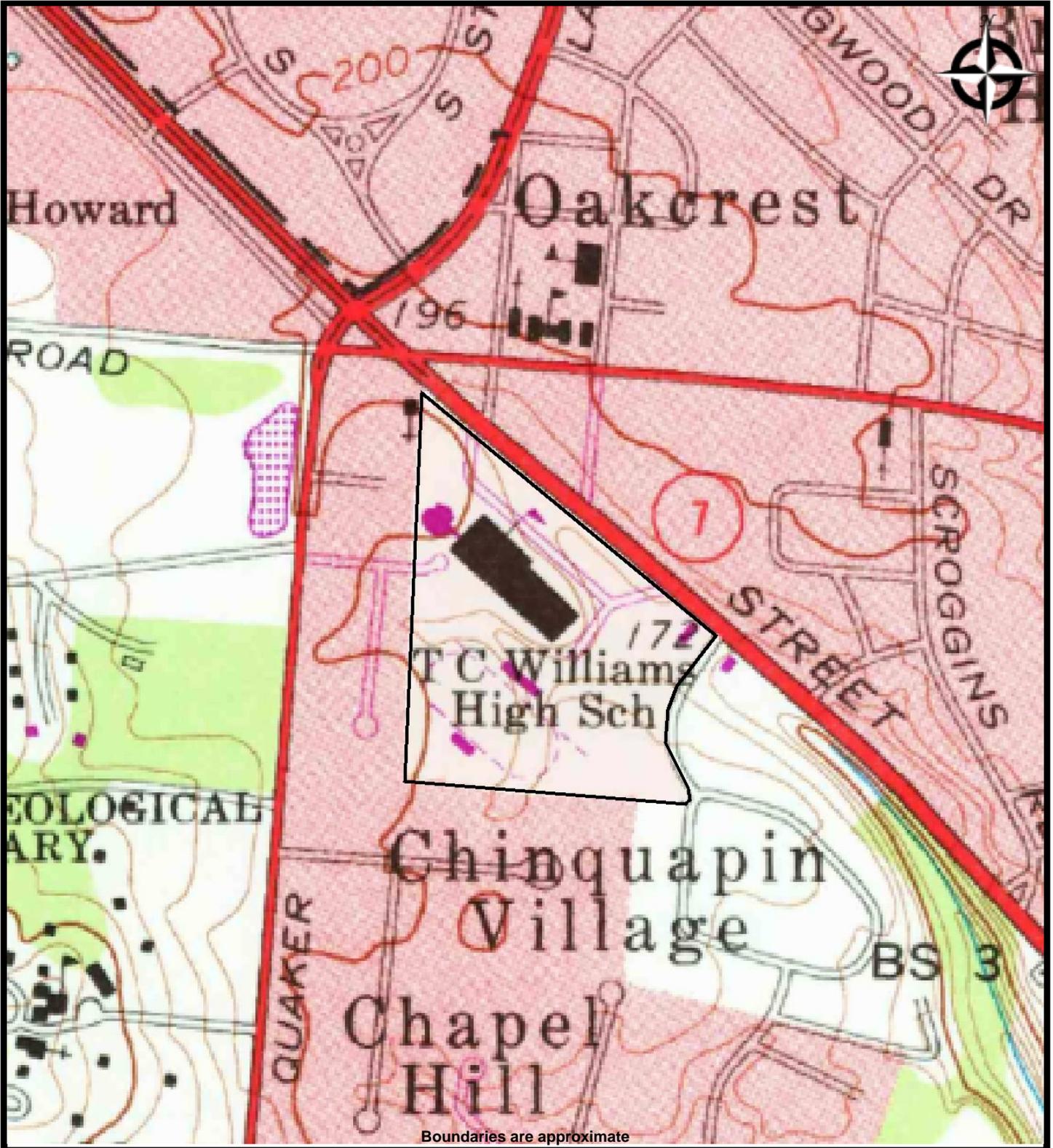


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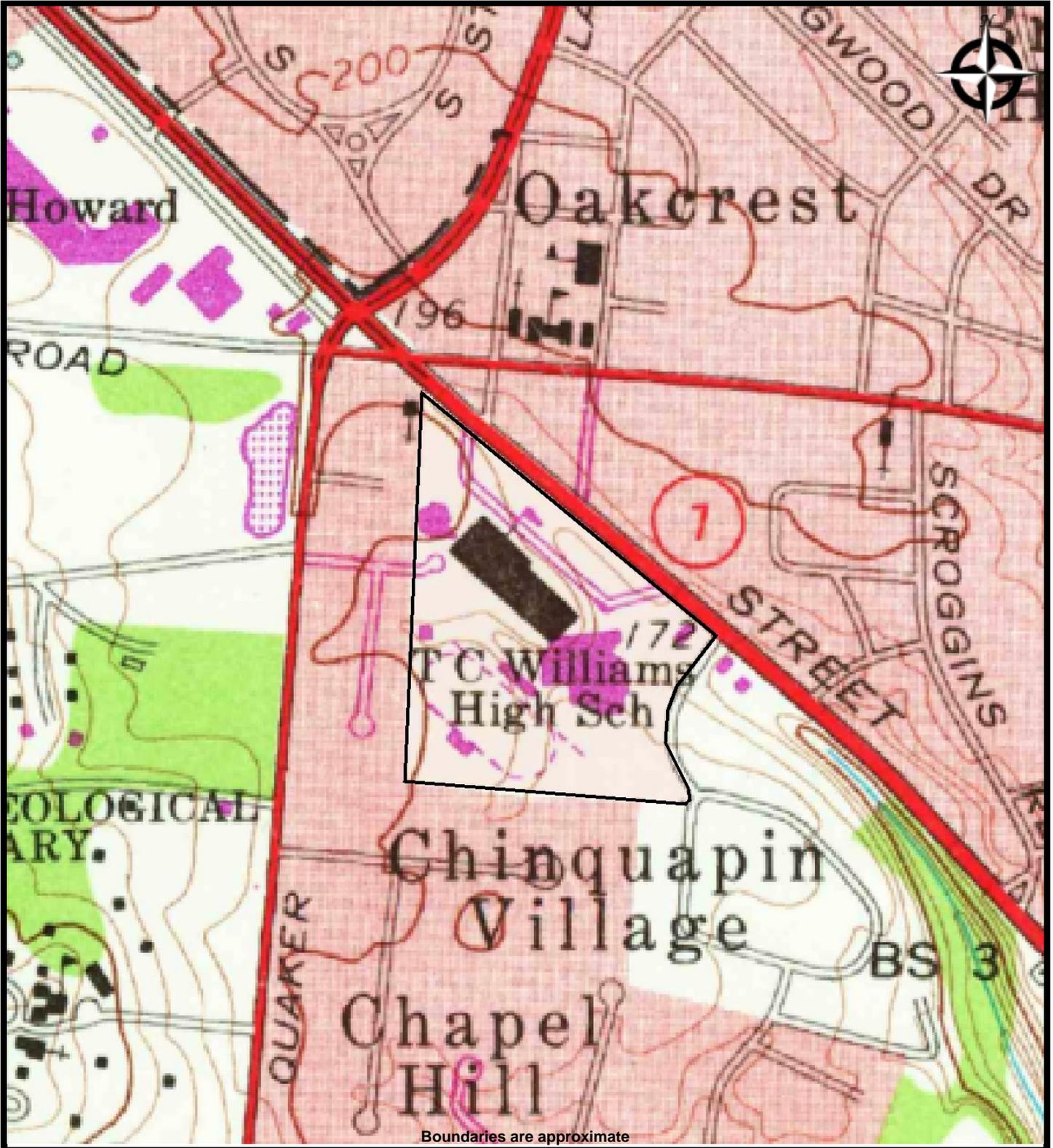


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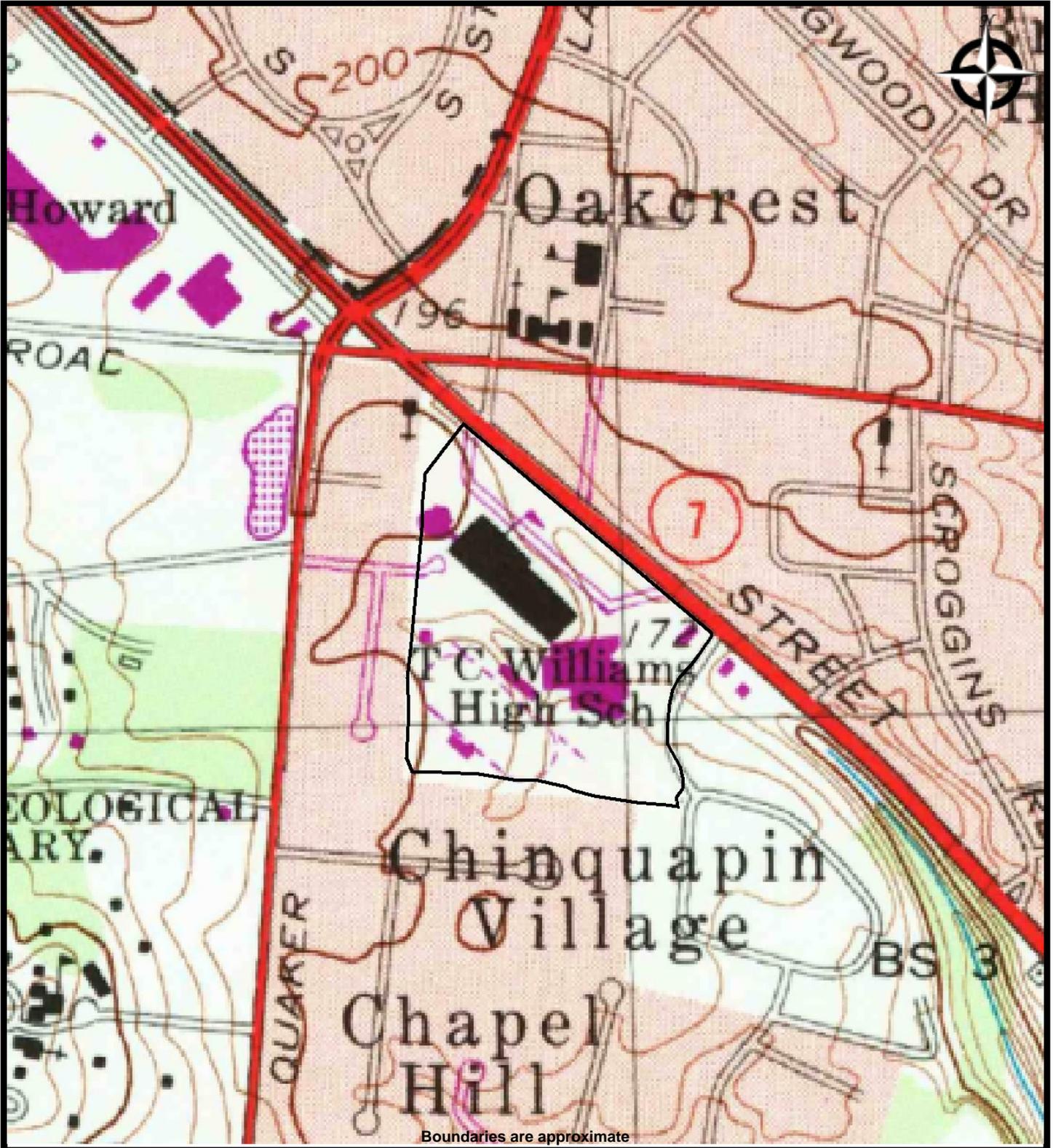


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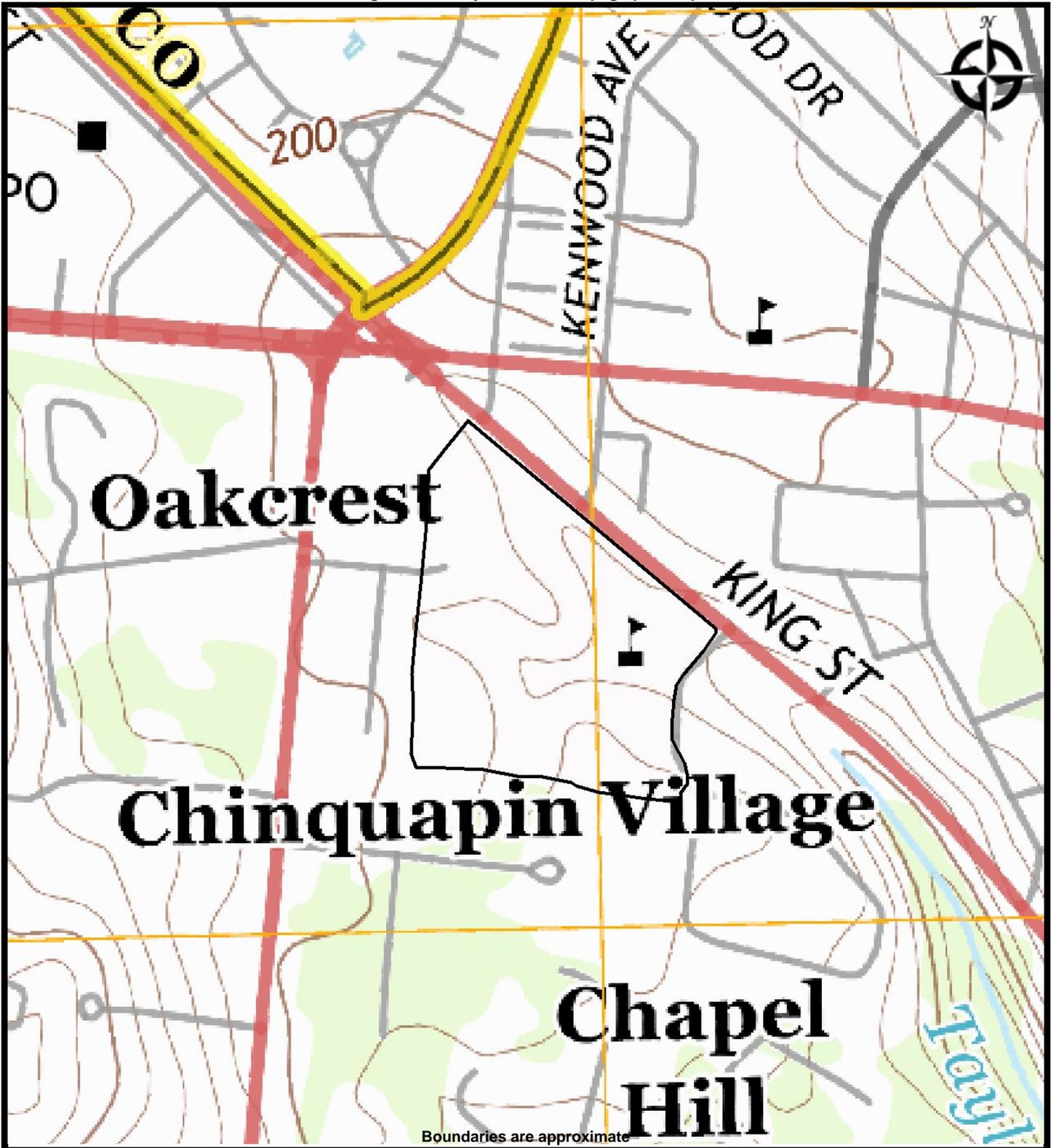


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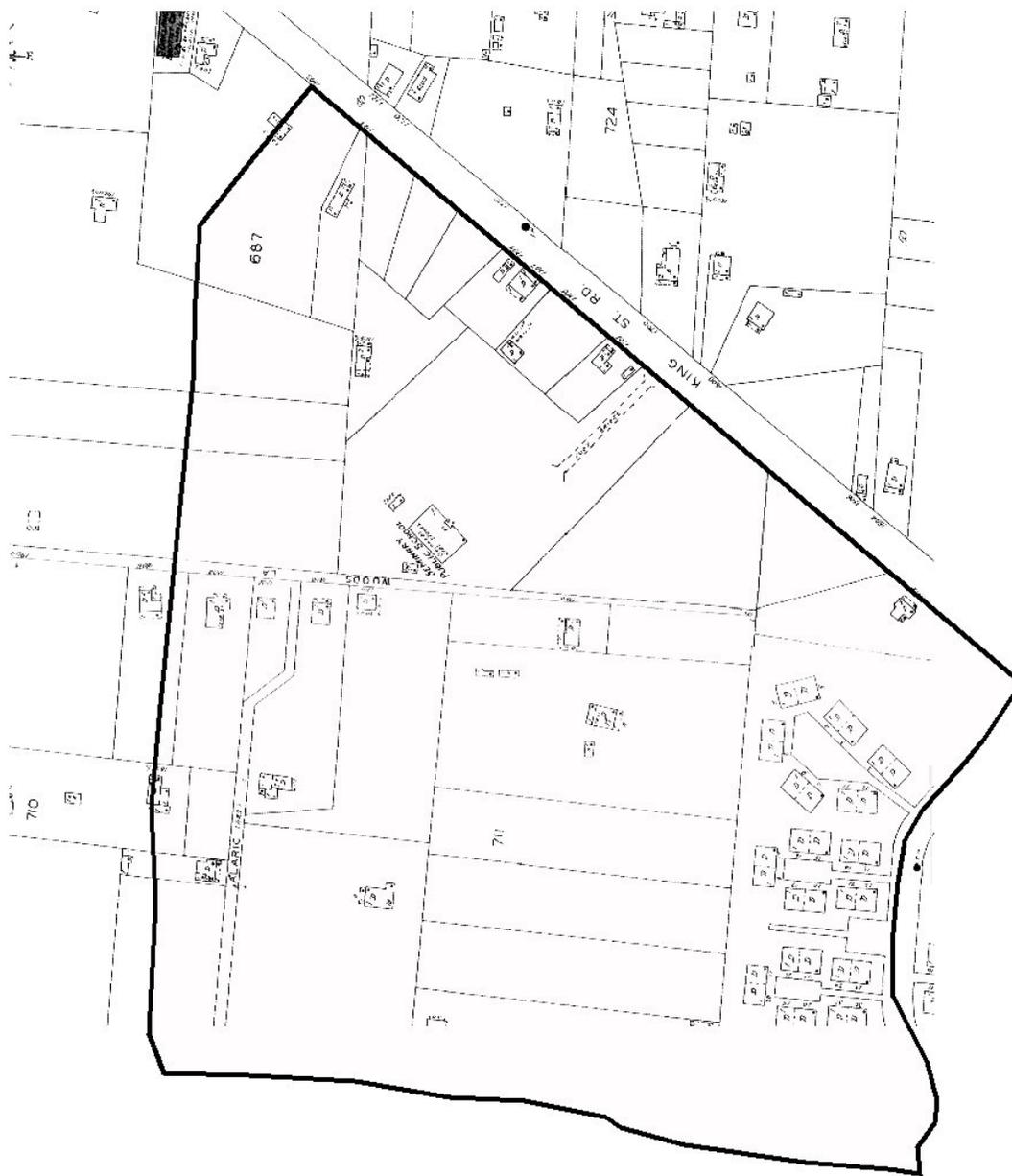


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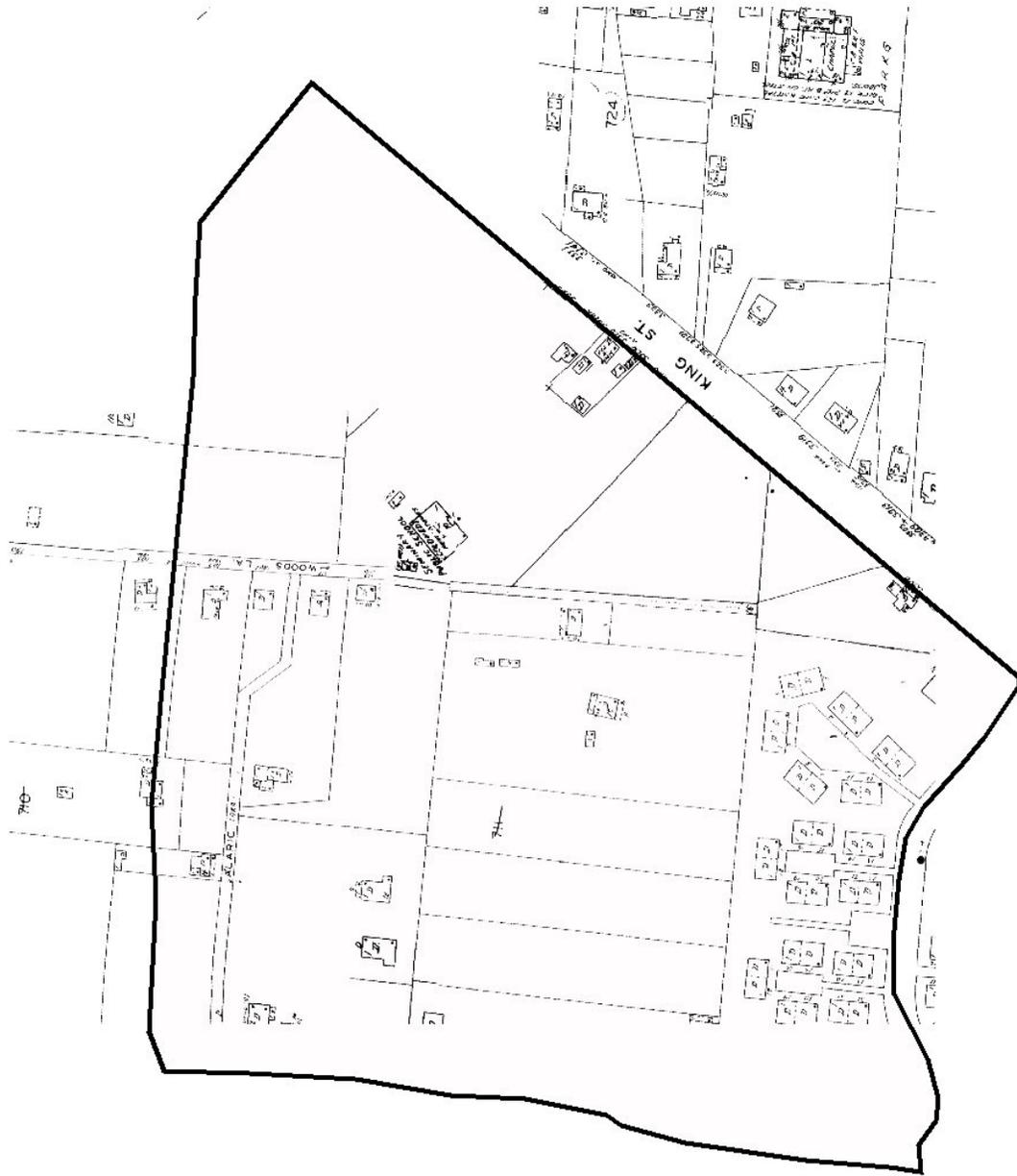


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**SANBORN - 1941
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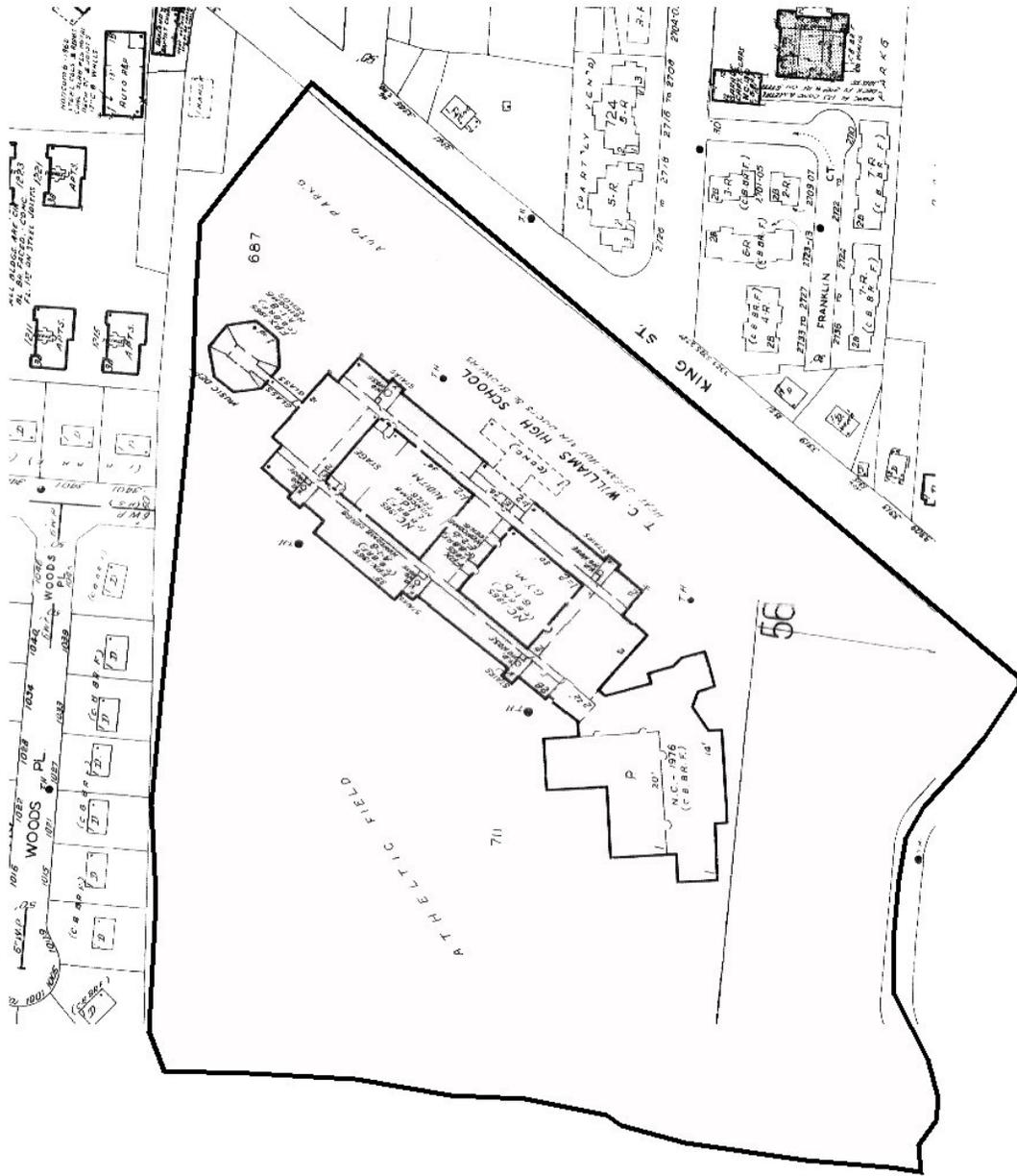


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SANBORN - 1959
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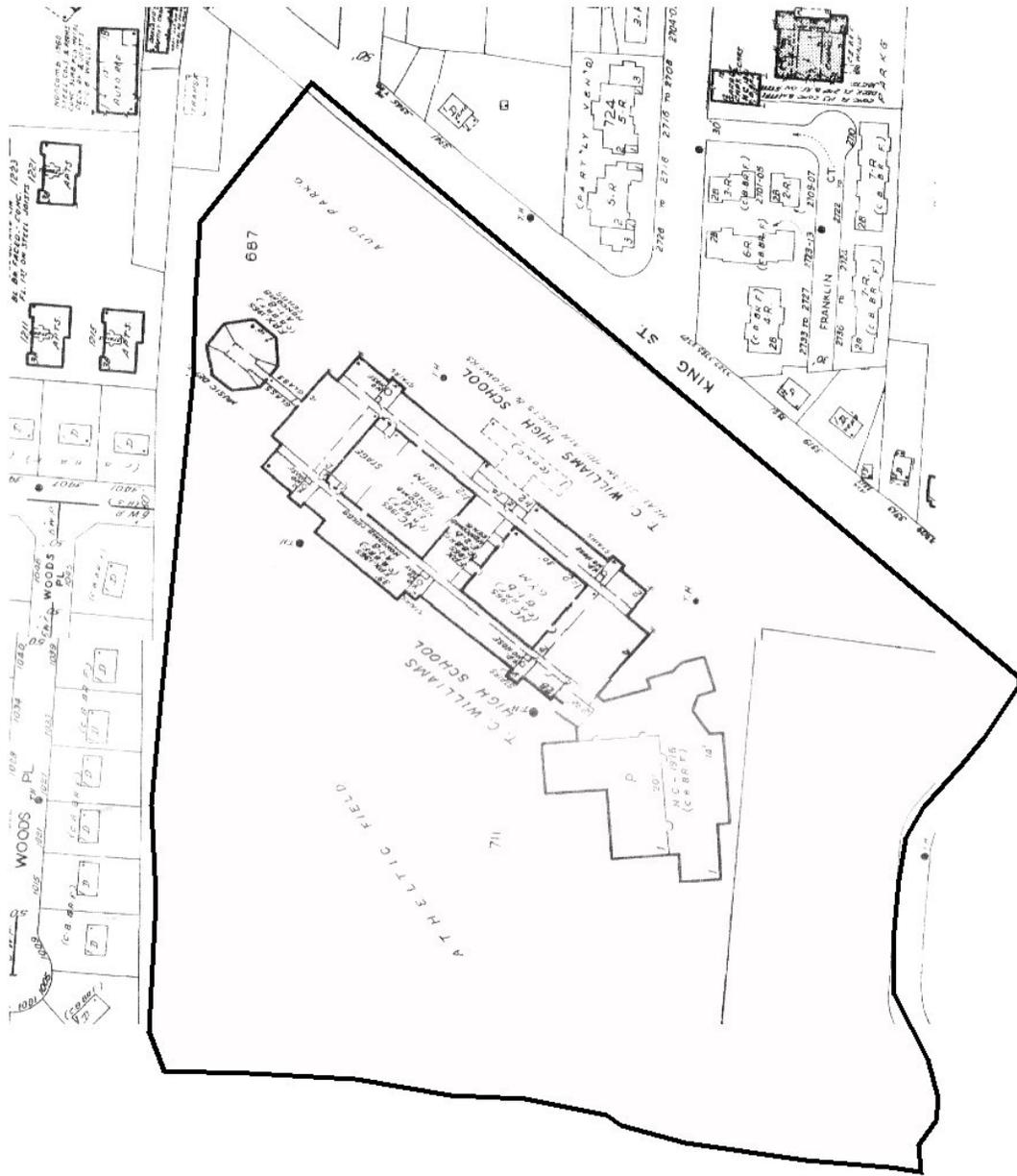


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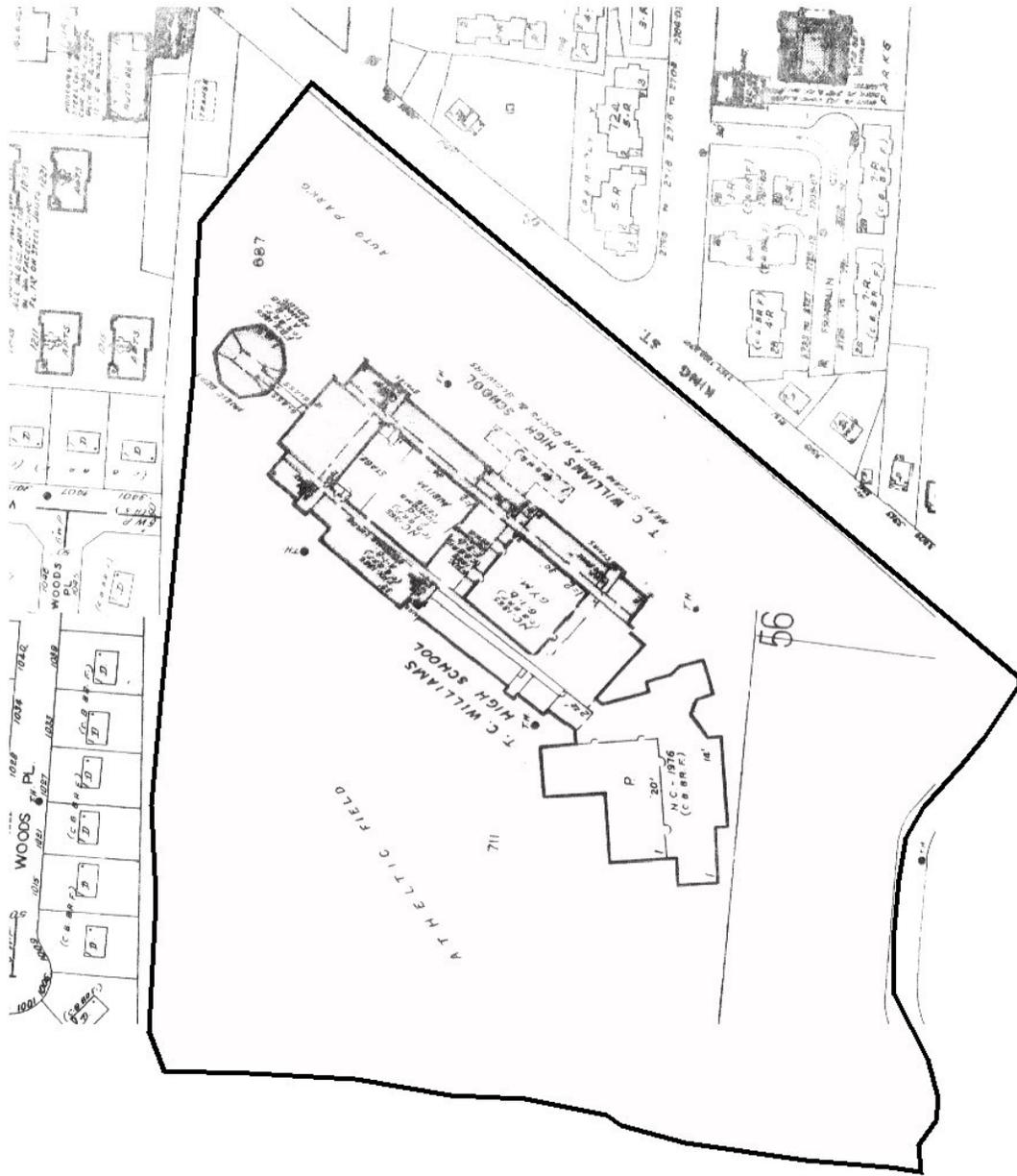


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SANBORN - 1993
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PROJ. #: TC Williams

TC Williams

3330 King Street
Alexandria, VA 22302

Inquiry Number: 4712750.5
August 29, 2016

The EDR-City Directory Abstract

TABLE OF CONTENTS

SECTION

Executive Summary

Findings

City Directory Images

Thank you for your business.
Please contact EDR at 1-800-352-0050
with any questions or comments.

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Abstract 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 Abstract includes a search and abstract of available city directory data. For each address, the directory lists the name of the corresponding occupant at five year intervals.

Business directories including city, cross reference and telephone directories were reviewed, if available, at approximately five year intervals for the years spanning 1921 through 2013. This report compiles information gathered in this review by geocoding the latitude and longitude of properties identified and gathering information about properties within 660 feet of the target property.

A summary of the information obtained is provided in the text of this report.

RESEARCH SUMMARY

The following research sources were consulted in the preparation of this report. An "X" indicates where information was identified in the source and provided in this report.

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
2013	Cole Information Services	X	X	X	-
2008	Cole Information Services	X	X	X	-
2003	HAINES & CO INC	X	X	X	-
1979	HILL DIRECTORY CO INC. PUBLISHERS	-	X	X	-
1974	HILL DIRECTORY CO INC. PUBLISHERS	-	X	X	-
1971	HILLS DIRECTORY CO.	X	X	X	-
1969	HILLS DIRECTORY CO.	X	X	X	-
1966	HILLS DIRECTORY CO.	-	-	-	-
1962	HILL DIRECTORY CO. INC PUBLISHERS	-	X	X	-
1961	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1958	HILL DIRECTORY CO. INC PUBLISHERS	-	X	X	-
1952	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1948	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1942	HILLS DIRECTORY CO. INC. PUBLISHERS	-	-	-	-
1936	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1930	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-
1926	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-

EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1921	HILL DIRECTORY CO. INC PUBLISHERS	-	-	-	-

FINDINGS

TARGET PROPERTY INFORMATION

ADDRESS

3330 King Street
Alexandria, VA 22302

FINDINGS DETAIL

Target Property research detail.

KING

3330 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ALEX CTY SC TRAINNG	HAINES & CO INC
	ALEXDCTY SC ADULT	HAINES & CO INC
	ALEXOCTY SC WILLIAM	HAINES & CO INC
	KING 22302 CONT	HAINES & CO INC
1971	ALEXANORIIA	HILLS DIRECTORY CO.
	T C Williams High	HILLS DIRECTORY CO.
1969	Alcoholic Clinic Environmental Health Laboratory Nursing Speech Therapist Venereal Disease Clinic Vital Statistics	HILLS DIRECTORY CO.
	T C Williams High	HILLS DIRECTORY CO.

KING ST

3330 KING ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	ALEXANDRIA CITY PUBLIC SCHOOLS	Cole Information Services
	ALEXANDRIA CITY SCHOOL DISTRICT	Cole Information Services
	T C WILLIAMS HIGH	Cole Information Services
2008	ALEXANDRIA CITY SCHOOL DST	Cole Information Services
	SCHOLARSHIP FUND OF ALEXANDRIA	Cole Information Services
	STEP CENTER PUBLIC SCHOOL	Cole Information Services
	T C WILLIAMS HIGH SCHOOL	Cole Information Services

FINDINGS

ADJOINING PROPERTY DETAIL

The following Adjoining Property addresses were researched for this report. Detailed findings are provided for each address.

BRADDOCK RD W

1500 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Ratcliffe Jas E	HILL DIRECTORY CO. INC PUBLISHERS

1511 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Polk Harold H 0 4phone	HILL DIRECTORY CO. INC PUBLISHERS

1600 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Vacant	HILL DIRECTORY CO. INC PUBLISHERS

1601 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Carter Benj L	HILL DIRECTORY CO. INC PUBLISHERS

1604 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Fleming Robt E 4phone	HILL DIRECTORY CO. INC PUBLISHERS

1605 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Johnson Sally T Mrs	HILL DIRECTORY CO. INC PUBLISHERS

1606 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Winston Lucy B Mrs nurse	HILL DIRECTORY CO. INC PUBLISHERS
	Winston Edgar 40 V	HILL DIRECTORY CO. INC PUBLISHERS

1607 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Martin Roy T 0 41 K	HILL DIRECTORY CO. INC PUBLISHERS

FINDINGS

1608 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Henry Albert B 0 4 K	HILL DIRECTORY CO. INC PUBLISHERS

1609 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Fortwengler Geo L 0 phone	HILL DIRECTORY CO. INC PUBLISHERS

1706 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Muse Winder T 47 ATE 64771	HILL DIRECTORY CO. INC PUBLISHERS

1707 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Blessed Sacrament Cath Ch	HILL DIRECTORY CO. INC PUBLISHERS

1715 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	Braddock Food Shop gro	HILL DIRECTORY CO. INC PUBLISHERS
	Braddock Lunch restr	HILL DIRECTORY CO. INC PUBLISHERS

1721 BRADDOCK RD W

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1958	C&J Delicatessen No	HILL DIRECTORY CO. INC PUBLISHERS

FRANKLIN CT

2700 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	POTTSBrian L	HAINES & CO INC
	WILSON Bnan	HAINES & CO INC

2701 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ALSTON Desl	HAINES & CO INC
	ALSTON Desa	HAINES & CO INC

2703 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OPARHAMMA	HAINES & CO INC

FINDINGS

2705 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LEHMANN Cearies	HAINES & CO INC

2707 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BROWNN J	HAINES & CO INC
	BROWN Emilia L	HAINES & CO INC
	BROWN RJ	HAINES & CO INC

2710 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MCCULLOUGHJohn E	HAINES & CO INC

2712 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	DEMERSE Richard	HAINES & CO INC
	DEM 0 RSE Richard	HAINES & CO INC

2713 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	JAHoward	HAINES & CO INC
	KURTZ Howard Vincent	HAINES & CO INC

2714 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MCCARTHYBrran	HAINES & CO INC
	MCCARTHY ME	HAINES & CO INC

2715 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PEDRICK Bell	HAINES & CO INC

2716 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OKOCHTed	HAINES & CO INC

2717 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	NUYNHHannah	HAINES & CO INC

FINDINGS

2718 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BERSANIM	HAINES & CO INC
	MOSES Edward	HAINES & CO INC

2719 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PICKARDMane	HAINES & CO INC

2720 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MCINTIEEThomas	HAINES & CO INC
	CARTER Charles E Jr	HAINES & CO INC

2721 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SPURLOCK PR	HAINES & CO INC
	SPURLOCKJames W	HAINES & CO INC

2722 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LOPEZN	HAINES & CO INC
	KIRKLAND James M	HAINES & CO INC

2723 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ALEEDINGSSteven A	HAINES & CO INC
	CORNELISON Lillian	HAINES & CO INC

2724 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HILKERCarl	HAINES & CO INC
	OTRESKY William	HAINES & CO INC

2726 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PHILLIPSD	HAINES & CO INC

2727 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OWEATHERLY Deberah	HAINES & CO INC

FINDINGS

2728 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MEEHAN Sharon	HAINES & CO INC
	MERRITT Richard E	HAINES & CO INC

2729 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	MERRITT APPRAISALS LLC	Cole Information Services

2730 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ANDERSON Suean	HAINES & CO INC
	ANDERSON Richard	HAINES & CO INC

2731 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	WAXMONSKY Gary	HAINES & CO INC
	W 1 G 91 NTON Mary	HAINES & CO INC

2733 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SIMON Kendron	HAINES & CO INC
	SIMON Noah	HAINES & CO INC

2734 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	NORENA	HAINES & CO INC
	NORENMG	HAINES & CO INC
	NOREN 0 E	HAINES & CO INC

2736 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OGrady L	HAINES & CO INC

2759 FRANKLIN CT

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SORRELS Donald	HAINES & CO INC

FINDINGS

KENWOOD AVE

2400 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1979	Blessed Sacrament Catholic Church Convent	HILL DIRECTORY CO INC. PUBLISHERS
1974	Blessed Sacrament Catholic Church Convent	HILL DIRECTORY CO INC. PUBLISHERS
1962	Sisters of The Holy Cross TE	HILL DIRECTORY CO. INC PUBLISHERS

2500 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1979	Early Childhood Creative Education Center	HILL DIRECTORY CO INC. PUBLISHERS
1969	Sister Marita	HILLS DIRECTORY CO.
1958	Quinn Martin T 1 Rev 4phone	HILL DIRECTORY CO. INC PUBLISHERS

2702 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	WELLSG	HAINES & CO INC

2704 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	GRINNELLEric	HAINES & CO INC

2708 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SPLANEYR	HAINES & CO INC

2710 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ALBERGER	HAINES & CO INC

2712 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LEEJona lhan	HAINES & CO INC

2714 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BELLRobert	HAINES & CO INC

FINDINGS

2716 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	RUTLEDGEML	HAINES & CO INC

2718 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SDITCHKUS Vincent Jr	HAINES & CO INC
	PACICMarion	HAINES & CO INC

2720 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PEOQUETJames	HAINES & CO INC

2722 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HELMS Richard	HAINES & CO INC

2724 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	MEETINGS EVENT DISTINCTION LLC	Cole Information Services
2003	DORMAN Richard	HAINES & CO INC
	DORMAN Richard	HAINES & CO INC
	SDORMANAnn	HAINES & CO INC
	DORMANAnn	HAINES & CO INC

2726 KENWOOD AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HAYES William P	HAINES & CO INC
	SHALEMonique	HAINES & CO INC

KING

3305 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LYLESMary	HAINES & CO INC

3307 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	Lewis Dorothy M Mrs	HILLS DIRECTORY CO.

FINDINGS

3309 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MARTINArnhur B Sr	HAINES & CO INC

3310 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

3313 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BUTLEREdward	HAINES & CO INC
1969	Butler Nora Mrs	HILLS DIRECTORY CO.

3315 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MCPMAHON Charles	HAINES & CO INC

3319 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SYKESLeroy	HAINES & CO INC

3321 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OLMOSPAlricia	HAINES & CO INC

3323 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC
1969	Wanzer Charlotte Mrs	HILLS DIRECTORY CO.

3325 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	Wanzer Mary F Mrs	HILLS DIRECTORY CO.

3327 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC
1969	Douglas Lula Mrs	HILLS DIRECTORY CO.

3333 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Casey Ada Mrs	HILLS DIRECTORY CO.
1969	Casey Ada Mrs	HILLS DIRECTORY CO.

3339 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	DSouza Zachary M	HAINES & CO INC
1969	Mallory Wm	HILLS DIRECTORY CO.

3345 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	Belk Clara Lee Miss	HILLS DIRECTORY CO.

3350 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

3401 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ROLANDER Mldred	HAINES & CO INC
	BRADLEETEXACO	HAINES & CO INC
1969	Bradlee Texaco Servicenter	HILLS DIRECTORY CO.

3408 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	CHURCH	HAINES & CO INC
	OAKLAND BAPTIST	HAINES & CO INC

3410 KING

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	ALEXANDRIA	HAINES & CO INC
	LINDSAYLEXUSOF	HAINES & CO INC
	ALEXLEXUS	HAINES & CO INC

KING ST

3321 KING ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	CADET DESIGN DRAFTING CONSULTANTS LL	Cole Information Services

FINDINGS

3401 KING ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	1 HR EMERGENCY A LOCKSMITH SERVICE	Cole Information Services
	DAG PERTOLEUM KING ST	Cole Information Services
2008	KING SHELL	Cole Information Services

3408 KING ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	OAKLAND BAPTIST CHURCH	Cole Information Services
2008	OAKLAND BAPTIST CHURCH	Cole Information Services

3410 KING ST

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	LEXUS OF ALEXANDRIA	Cole Information Services
2008	ALEXANDRIA MOTOR CARS INC	Cole Information Services
	LINDSAY LEXUS	Cole Information Services
	LINDSAY AUTOMOTIVE GROUP	Cole Information Services
	LEXUS OF SILVER SPRING	Cole Information Services

W BRADDOCK RD

1500 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	EVERLY FUNERAL HOMES	Cole Information Services
	EVERLYWHEATLEY FUNERAL HOME	Cole Information Services
2008	EVERLY WHEATLEY FUNERAL HOME	Cole Information Services
1979	Everly Wheatley Funeral Home	HILL DIRECTORY CO INC. PUBLISHERS
1974	Everly Wheatley Funeral Home	HILL DIRECTORY CO INC. PUBLISHERS
1971	Dudley KWJr	HILLS DIRECTORY CO.
	Everter Htry L repoa	HILLS DIRECTORY CO.
	eteriy J S	HILLS DIRECTORY CO.
	Wheatley B Funeral Home	HILLS DIRECTORY CO.
	Lowe Herbert H	HILLS DIRECTORY CO.
1969	Dudley K W Jr	HILLS DIRECTORY CO.
	Everly J S	HILLS DIRECTORY CO.
	Everly John C	HILLS DIRECTORY CO.
	Everly Julian W	HILLS DIRECTORY CO.
	Lowe Herbert H	HILLS DIRECTORY CO.
	Quate Pete	HILLS DIRECTORY CO.
	Ofc	HILLS DIRECTORY CO.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	Wheatley B Funeral Home	HILLS DIRECTORY CO.

1590 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	NEWBEBRYROBERT	HAINES & CO INC

1601 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MONELLONa Oan	HAINES & CO INC
1979	Rouhier Robt J	HILL DIRECTORY CO INC. PUBLISHERS
1974	No Return	HILL DIRECTORY CO INC. PUBLISHERS
1969	Dabney Wilbur B	HILLS DIRECTORY CO.

1605 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	GOLDEN EAGLE ENVIRONMENTAL LLC	Cole Information Services
2003	OGIBSON Vers H Lb 703 998 740 B	HAINES & CO INC
1974	Gibson Veri H	HILL DIRECTORY CO INC. PUBLISHERS
1969	Gibson Verl H Lt Col AUS Ret	HILLS DIRECTORY CO.

1606 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PASCUALAn Ionio	HAINES & CO INC
1979	C ibson Veri H d	HILL DIRECTORY CO INC. PUBLISHERS
	Vacant	HILL DIRECTORY CO INC. PUBLISHERS
1974	Miles Bott R	HILL DIRECTORY CO INC. PUBLISHERS
1971	Winston Lucy B Mrs	HILLS DIRECTORY CO.
1969	Winston Lucy B Mrs	HILLS DIRECTORY CO.

1607 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	TRAINOR Douglas R 703 820 591 V	HAINES & CO INC
1979	Catron Dora B d	HILL DIRECTORY CO INC. PUBLISHERS
1974	No Return	HILL DIRECTORY CO INC. PUBLISHERS
1969	Martin Roy T	HILLS DIRECTORY CO.

1608 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC
1979	Henry Albert B Rev d	HILL DIRECTORY CO INC. PUBLISHERS

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1974	Henry Albert B Rev	HILL DIRECTORY CO INC. PUBLISHERS
1969	Henry A B Rev	HILLS DIRECTORY CO.

1609 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	QUATEPETE 703 9 Nr 92 E	HAINES & CO INC
	REED JAMES B	HAINES & CO INC
	TOMLINSON CHARLES	HAINES & CO INC
	SEELEYWJ 3D 763 S 826 B	HAINES & CO INC
	NEWBERRYE	HAINES & CO INC
	KLOSS EDWARD J	HAINES & CO INC
	QUATEMR	HAINES & CO INC
	NEWBERRYROBERT	HAINES & CO INC
	FUNERAL HOME JENKINS FREDERICK L	HAINES & CO INC
	EVERLYWHEATLEY	HAINES & CO INC
	EVERLYJOSIAHC	HAINES & CO INC
	EVERLYFUNERAL	HAINES & CO INC
	BROWNINGWARREN	HAINES & CO INC
	BRAY WILLIAM M	HAINES & CO INC
	BOWER PAUL	HAINES & CO INC
	BANGECHARLESE	HAINES & CO INC
1979	Jenkins Fredk L	HILL DIRECTORY CO INC. PUBLISHERS
1974	Jenkins Fredk L	HILL DIRECTORY CO INC. PUBLISHERS
1971	Fortwengler Geo L	HILLS DIRECTORY CO.
1969	Fortwengler Geo L	HILLS DIRECTORY CO.

1701 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

1702 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

1706 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HYDEN Clara	HAINES & CO INC

FINDINGS

1707 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	0 XXX	HAINES & CO INC
1979	Blessed Sacrament Catholic Church	HILL DIRECTORY CO INC. PUBLISHERS
1974	Blessed Sacrament Catholic Church	HILL DIRECTORY CO INC. PUBLISHERS
1971	Blessed Sacrament	HILLS DIRECTORY CO.
	Schi	HILLS DIRECTORY CO.
	If no answer call convent	HILLS DIRECTORY CO.
	Blessed Sacrament	HILLS DIRECTORY CO.
	Caftrias	HILLS DIRECTORY CO.
1969	Blessed Sacrament	HILLS DIRECTORY CO.
	Caftrias	HILLS DIRECTORY CO.
	Schl	HILLS DIRECTORY CO.
	Blessed Sacrament	HILLS DIRECTORY CO.

1710 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

1712 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	LEWISLeslle L	HAINES & CO INC

1714 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BRADDOCK RD W 22302 CONT	HAINES & CO INC
	XXXX	HAINES & CO INC

1715 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2013	GREEN STREET GROWES OF VA	Cole Information Services
2003	LAMOWSKAEva M	HAINES & CO INC
	SMITH Rob	HAINES & CO INC
	t RITTERTheodore	HAINES & CO INC
	HASELWOOD Richard	HAINES & CO INC
	APPLEHOUSE&GRDN	HAINES & CO INC
1979	Apple House & Gardens The fruits ret	HILL DIRECTORY CO INC. PUBLISHERS
1974	Apple House The fruits ret	HILL DIRECTORY CO INC. PUBLISHERS
1971	Apple House fruit	HILLS DIRECTORY CO.

FINDINGS

1716 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	XXXX	HAINES & CO INC

1717 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SHOLLISTERHans	HAINES & CO INC

1718 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	HUGHESTenesha A	HAINES & CO INC

1721 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2008	APPLE HOUSE & GARDEN CENTER	Cole Information Services
2003	WINTERS George F	HAINES & CO INC
1971	Res	HILLS DIRECTORY CO.
	Parker Leonard W d	HILLS DIRECTORY CO.

1725 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SMORTONJac Ir	HAINES & CO INC
	SMOOTONCy	HAINES & CO INC
	LINDROTH	HAINES & CO INC
	BROCKSONVrrgrnia K	HAINES & CO INC
	OSCHMIDTFritz	HAINES & CO INC
	r PESONENL	HAINES & CO INC

1727 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	MCGLYNN Daniel P	HAINES & CO INC

1729 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SDELGRECOTi Hany	HAINES & CO INC

1731 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	PERLBERG Miriam	HAINES & CO INC

FINDINGS

1733 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	OFULLER D	HAINES & CO INC

1735 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	BRADENTThomas	HAINES & CO INC
	SOATLEYNeil	HAINES & CO INC
	KINZER Edward	HAINES & CO INC
	KINZERJohn	HAINES & CO INC
	LINTHICUMK	HAINES & CO INC
	CURRY DJ	HAINES & CO INC
	8 APARTMENTS	HAINES & CO INC
	SNUTTER Nalhan M	HAINES & CO INC
	MASTERSL	HAINES & CO INC

1769 W BRADDOCK RD

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SBERSONJack	HAINES & CO INC
	CALDWELLThomas N	HAINES & CO INC

WOODS AVE

3401 WOODS AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	SADAMS T	HAINES & CO INC
	ADAMS A Sr	HAINES & CO INC
1979	Adams Earl S	HILL DIRECTORY CO INC. PUBLISHERS
1974	Adams Earl S	HILL DIRECTORY CO INC. PUBLISHERS
1971	ADAMS TEACHERS AGENCY INO	HILLS DIRECTORY CO.
	Arnlars Thclma E Miss	HILLS DIRECTORY CO.
1969	Adams Thelma E Miss	HILLS DIRECTORY CO.

3407 WOODS AVE

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2003	DIJARLES Shannon	HAINES & CO INC
	DAVISLois A	HAINES & CO INC
1979	Diggs Mabel G Mrs	HILL DIRECTORY CO INC. PUBLISHERS
1974	Diggs Mabel G Mrs	HILL DIRECTORY CO INC. PUBLISHERS
1971	Di Bus Pearl S Mrs	HILLS DIRECTORY CO.
	Ulgs Richard L	HILLS DIRECTORY CO.

FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1971	Diags Mabel G	HILLS DIRECTORY CO.
1969	Diggs Richard L	HILLS DIRECTORY CO.
	Diggs Mabel G	HILLS DIRECTORY CO.

FINDINGS

TARGET PROPERTY: ADDRESS NOT IDENTIFIED IN RESEARCH SOURCE

The following Target Property addresses were researched for this report, and the addresses were not identified in the research source.

Address Researched

3330 King Street

Address Not Identified in Research Source

1979, 1974, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

ADJOINING PROPERTY: ADDRESSES NOT IDENTIFIED IN RESEARCH SOURCE

The following Adjoining Property addresses were researched for this report, and the addresses were not identified in research source.

Address Researched

1500 BRADDOCK RD W

1500 W BRADDOCK RD

1500 W BRADDOCK RD

1511 BRADDOCK RD W

1590 W BRADDOCK RD

1600 BRADDOCK RD W

1601 BRADDOCK RD W

1601 W BRADDOCK RD

1604 BRADDOCK RD W

1605 BRADDOCK RD W

1605 W BRADDOCK RD

1605 W BRADDOCK RD

1606 BRADDOCK RD W

1606 W BRADDOCK RD

1607 BRADDOCK RD W

1607 W BRADDOCK RD

1608 BRADDOCK RD W

Address Not Identified in Research Source

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

FINDINGS

Address Researched

1608 W BRADDOCK RD

1609 BRADDOCK RD W

1609 W BRADDOCK RD

1701 W BRADDOCK RD

1702 W BRADDOCK RD

1706 BRADDOCK RD W

1706 W BRADDOCK RD

1707 BRADDOCK RD W

1707 W BRADDOCK RD

1710 W BRADDOCK RD

1712 W BRADDOCK RD

1714 W BRADDOCK RD

1715 BRADDOCK RD W

1715 W BRADDOCK RD

1715 W BRADDOCK RD

1716 W BRADDOCK RD

1717 W BRADDOCK RD

1718 W BRADDOCK RD

1721 BRADDOCK RD W

1721 W BRADDOCK RD

1721 W BRADDOCK RD

1725 W BRADDOCK RD

1727 W BRADDOCK RD

1729 W BRADDOCK RD

1731 W BRADDOCK RD

Address Not Identified in Research Source

2013, 2008, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

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2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

FINDINGS

Address Researched

Address Not Identified in Research Source

3307 KING	2013, 2008, 2003, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3309 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3310 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3313 KING	2013, 2008, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3315 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3319 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3321 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3321 KING ST	2013, 2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3323 KING	2013, 2008, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3325 KING	2013, 2008, 2003, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3327 KING	2013, 2008, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3333 KING	2013, 2008, 1979, 1974, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3339 KING	2013, 2008, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3345 KING	2013, 2008, 2003, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3350 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3401 KING	2013, 2008, 1979, 1974, 1971, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3401 KING ST	2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3401 WOODS AVE	2013, 2008, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3407 WOODS AVE	2013, 2008, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3408 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3408 KING ST	2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3410 KING	2013, 2008, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921
3410 KING ST	2003, 1979, 1974, 1971, 1969, 1966, 1962, 1961, 1958, 1952, 1948, 1942, 1936, 1930, 1926, 1921

Appendix D: Interview Records

Record of Communication

Name: Mario Yach

Affiliation:

Telephone #:

Conversation Date:

RE:

Comments:

F&R interviewed Mr. Mario Yach, a maintenance manager of the high school. Mr. Yach stated he has been familiar with the Property since 2007 when T.C. Williams High School reopened after construction. The facility was constructed in 2007 and has been utilized as a public school. Mr. Yach stated that the high school was formerly located where the current parking garage structure is, but has since been torn down. Mr. Yach stated the facility is heated and cooled through an electric HVAC system and through solar panels. He stated he is unaware of incidents involving hazardous materials or petroleum products that have been improperly stored, spilled or leaked at the Property or adjacent areas. Mr. Yach also affirmed that he is unaware of incidents involving hazardous materials or petroleum products that have been improperly stored, spilled or leaked at the Property or adjacent areas and that he is unaware of off-site fill material or USTs on the Property currently or in the past.

Appendix E: Regulatory Report

TC Williams

3330 King Street
Alexandria, VA 22302

Inquiry Number: 04712750.2r
August 29, 2016

The EDR Radius Map™ Report with GeoCheck®



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

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Physical Setting Source Addendum	A-1
Physical Setting Source Summary	A-2
Physical Setting Source Map	A-7
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Physical Setting Source Records Searched	PSGR-1

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 Environmental Data Resources, Inc (EDR). The report was designed to assist parties seeking to meet the search requirements of EPA's Standards and Practices for All Appropriate Inquiries (40 CFR Part 312), the ASTM Standard Practice for Environmental Site Assessments (E 1527-13) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

TARGET PROPERTY INFORMATION

ADDRESS

3330 KING STREET
ALEXANDRIA, VA 22302

COORDINATES

Latitude (North): 38.8246650 - 38° 49' 28.79"
Longitude (West): 77.0858780 - 77° 5' 9.16"
Universal Transverse Mercator: Zone 18
UTM X (Meters): 318922.0
UTM Y (Meters): 4299179.0
Elevation: 192 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 5950781 ALEXANDRIA, VA
Version Date: 2013

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 20140927
Source: USDA

MAPPED SITES SUMMARY

Target Property Address:
3330 KING STREET
ALEXANDRIA, VA 22302

Click on Map ID to see full detail.

MAP ID	SITE NAME	ADDRESS	DATABASE ACRONYMS	RELATIVE ELEVATION	DIST (ft. & mi.) DIRECTION
A1		3330 KING ST	RCRA-SQG		TP
A2	T C WILLIAMS HIGH SC	3330 KING ST	LTANKS, UST		TP
A3		3330 KING ST	SPILLS		TP
A4	T. C. WILLIAMS HIGH	3330 KING ST	US AIRS		TP
A5	T. C. WILLIAMS HIGH	3330 KING STREET	LUST		TP
A6	T C WILLIAMS HIGH SC	3330 KING STREET	FINDS, ECHO		TP
B7	KING STREET SHELL	3401 KING ST	UST, Financial Assurance	Lower	743, 0.141, NNW
B8		3401 KING ST	RCRA NonGen / NLR	Lower	743, 0.141, NNW
B9	SHELL 100527	3401 KING ST	LTANKS	Lower	743, 0.141, NNW
C10		3410 KING ST	RCRA-CESQG, LTANKS	Higher	847, 0.160, NW
C11	LINDSAY CADILLAC	3410 KING ST	LTANKS, SPILLS	Higher	847, 0.160, NW
D12	QUAKER LANE APARTMEN	1215 NORTH QUAKER LA	LUST	Higher	919, 0.174, NW
D13	QUAKER LANE APARTMEN	1221 NORTH QUAKER LA	LUST	Higher	931, 0.176, NW
D14	QUAKER LANE APARTMEN	1229 QUAKER LN	LTANKS, UST	Higher	946, 0.179, NW
E15		3425 B KING ST	RCRA-CESQG	Higher	1034, 0.196, NNW
E16	KING DRY CLEANERS	3425B KING ST	DRYCLEANERS	Higher	1035, 0.196, NNW
F17	CITGO FAIRLINGTON (P	1333 NORTH QUAKER LA	LUST	Higher	1217, 0.230, North
G18		3500 KING ST	RCRA-SQG	Higher	1232, 0.233, NW
G19	BP STATION	3500 KING STREET	LUST, LTANKS	Higher	1232, 0.233, NW
G20	SUNOCO 0610 5795	3500 KING ST	UST, Financial Assurance	Higher	1232, 0.233, NW
G21	TOSCO #263 5096 (FOR	3500 KING STREET	LUST	Higher	1232, 0.233, NW
G22	MOBIL #16-DG6	3500 KING STREET	LUST	Higher	1232, 0.233, NW
F23	ROYAL SERVICE CENTER	1313 AND 1333 N QUAK	LTANKS	Higher	1330, 0.252, North
F24	SHELL FAIRLINGTON	1313 NORTH QUAKER LA	LUST	Higher	1330, 0.252, North
25	BROWN THOMAS C JR OR	1410 BISHOP LN	LTANKS	Higher	1347, 0.255, SW
26	ALEXANDRIA BIBLE CHU	1302 W BRADDOCK RD	LTANKS	Higher	1387, 0.263, ENE
27	SAFEWAY STORE #3250	3526 KING STREET	VCP	Higher	1532, 0.290, NW
28	FAIRLINGTON CLEANERS	1712 FERN STREET	VCP, DRYCLEANERS	Higher	1801, 0.341, North
H29	AMOCO #3454 (FORMER)	1615 NORTH QUAKER LA	LUST	Lower	2164, 0.410, North
H30	AMOCO #3454	1615 N QUAKER LN	LTANKS	Lower	2164, 0.410, North
I31	VIRGINIA THEOLOGICAL	3737 SEMINARY ROAD	LUST	Higher	2273, 0.430, SW
I32	VIRGINIA THEOLOGICAL	3737 SEMINARY RD	LTANKS, UST, AST	Higher	2273, 0.430, SW
33	EPISCOPAL HIGH SCHOO	1200 N QUAKER LN	LTANKS, UST	Higher	2428, 0.460, West
J34	SUNOCO/FAIRLINGTON	1639 NORTH QUAKER LA	LUST	Lower	2439, 0.462, North
J35	SUNOCO SERVICE STATI	1639 QUAKER LANE	LTANKS, RCRA NonGen / NLR, FINDS, ECHO	Lower	2439, 0.462, North
36	TWINN ROGER PROPERTY	1420 KEY DR	LTANKS	Higher	2567, 0.486, SSW

EXECUTIVE SUMMARY

TARGET PROPERTY SEARCH RESULTS

The target property was identified in the following records. For more information on this property see page 7 of the attached EDR Radius Map report:

Site	Database(s)	EPA ID
3330 KING ST 3330 KING ST ALEXANDRIA, VA 22302	RCRA-SQG EPA ID:: VAD981107576	VAD981107576
T C WILLIAMS HIGH SC 3330 KING ST ALEXANDRIA, VA 22302	LTANKS Facility Status: Closed CEDs Facility Id: 200000074112 Pollution Complaint #: 20053085 Pollution Complaint #: 19993002 UST Tank Status: REM FROM GRD Facility Id: 3011815 CEDs Facility ID: 200000074112	N/A
3330 KING ST 3330 KING ST ALEXANDRIA, VA	SPILLS Database: SPILLS, Date of Government Version: 05/03/2016 Facility Status: Closed IR Number: 2013-N-0869	N/A
T. C. WILLIAMS HIGH 3330 KING ST ALEXANDRIA, VA 22302	US AIRS Database: US AIRS MINOR, Date of Government Version: 10/20/2015	N/A
T. C. WILLIAMS HIGH 3330 KING STREET ALEXANDRIA, VA 22302	LUST Database: LUST REG NO, Date of Government Version: 05/18/2004 Facility Status: Closed Pollution Complaint #: 99-3002 Closed Date: 11/3/1998 Facility ID: 3900298	N/A
T C WILLIAMS HIGH SC 3330 KING STREET ALEXANDRIA, VA 22302	FINDS Registry ID:: 110001895888 ECHO	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

No mapped sites were found in EDR's search of available ("reasonably ascertainable ") government records either on the target property or within the search radius around the target property for the following databases:

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL..... National Priority List
Proposed NPL..... Proposed National Priority List Sites
NPL LIENS..... Federal Superfund Liens

Federal Delisted NPL site list

Delisted NPL..... National Priority List Deletions

Federal CERCLIS list

FEDERAL FACILITY..... Federal Facility Site Information listing
SEMS..... Superfund Enterprise Management System

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE..... Superfund Enterprise Management System Archive

Federal RCRA CORRACTS facilities list

CORRACTS..... Corrective Action Report

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF..... RCRA - Treatment, Storage and Disposal

Federal RCRA generators list

RCRA-LQG..... RCRA - Large Quantity Generators

Federal institutional controls / engineering controls registries

LUCIS..... Land Use Control Information System
US ENG CONTROLS..... Engineering Controls Sites List
US INST CONTROL..... Sites with Institutional Controls

Federal ERNS list

ERNS..... Emergency Response Notification System

State- and tribal - equivalent CERCLIS

SHWS..... This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

EXECUTIVE SUMMARY

State and tribal landfill and/or solid waste disposal site lists

SWF/LF..... Solid Waste Management Facilities

State and tribal leaking storage tank lists

INDIAN LUST..... Leaking Underground Storage Tanks on Indian Land

State and tribal registered storage tank lists

FEMA UST..... Underground Storage Tank Listing
AST..... Registered Petroleum Storage Tanks
INDIAN UST..... Underground Storage Tanks on Indian Land

State and tribal institutional control / engineering control registries

ENG CONTROLS..... Engineering Controls Sites Listing
INST CONTROL..... Voluntary Remediation Program Database

State and tribal voluntary cleanup sites

INDIAN VCP..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS..... Brownfields Site Specific Assessments

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS..... A Listing of Brownfields Sites

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands
ODI..... Open Dump Inventory
DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL..... Delisted National Clandestine Laboratory Register
US CDL..... National Clandestine Laboratory Register

Local Land Records

LIENS 2..... CERCLA Lien Information

Records of Emergency Release Reports

HMIRS..... Hazardous Materials Information Reporting System
SPILLS 90..... SPILLS 90 data from FirstSearch

Other Ascertainable Records

FUDS..... Formerly Used Defense Sites

EXECUTIVE SUMMARY

DOD.....	Department of Defense Sites
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
US FIN ASSUR.....	Financial Assurance Information
EPA WATCH LIST.....	EPA WATCH LIST
2020 COR ACTION.....	2020 Corrective Action Program List
TSCA.....	Toxic Substances Control Act
TRIS.....	Toxic Chemical Release Inventory System
SSTS.....	Section 7 Tracking Systems
ROD.....	Records Of Decision
RMP.....	Risk Management Plans
RAATS.....	RCRA Administrative Action Tracking System
PRP.....	Potentially Responsible Parties
PADS.....	PCB Activity Database System
ICIS.....	Integrated Compliance Information System
FTTS.....	FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)
MLTS.....	Material Licensing Tracking System
COAL ASH DOE.....	Steam-Electric Plant Operation Data
COAL ASH EPA.....	Coal Combustion Residues Surface Impoundments List
PCB TRANSFORMER.....	PCB Transformer Registration Database
RADINFO.....	Radiation Information Database
HIST FTTS.....	FIFRA/TSCA Tracking System Administrative Case Listing
DOT OPS.....	Incident and Accident Data
CONSENT.....	Superfund (CERCLA) Consent Decrees
INDIAN RESERV.....	Indian Reservations
FUSRAP.....	Formerly Utilized Sites Remedial Action Program
UMTRA.....	Uranium Mill Tailings Sites
LEAD SMELTERS.....	Lead Smelter Sites
US MINES.....	Mines Master Index File
DOCKET HWC.....	Hazardous Waste Compliance Docket Listing
UXO.....	Unexploded Ordnance Sites
AIRS.....	Permitted Airs Facility List
NPDES.....	Comprehensive Environmental Data System
COAL ASH.....	Coal Ash Disposal Sites
ENF.....	Enforcement Actions Data
Financial Assurance.....	Financial Assurance Information Listing
TIER 2.....	Tier 2 Information Listing
UIC.....	Underground Injection Control Wells
FUELS PROGRAM.....	EPA Fuels Program Registered Listing

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP..... EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA generators list

RCRA-SQG: 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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

A review of the RCRA-SQG list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA-SQG site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3500 KING ST	NW 1/8 - 1/4 (0.233 mi.)	G18	39

RCRA-CESQG: 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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

A review of the RCRA-CESQG list, as provided by EDR, and dated 12/09/2015 has revealed that there are 2 RCRA-CESQG sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<i>Not reported</i>	3410 KING ST	NW 1/8 - 1/4 (0.160 mi.)	C10	31
Not reported	3425 B KING ST	NNW 1/8 - 1/4 (0.196 mi.)	E15	37

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Database.

A review of the LUST list, as provided by EDR, has revealed that there are 10 LUST sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
QUAKER LANE APARTMEN Database: LUST REG NO, Date of Government Version: 05/18/2004 Facility Status: Closed Pollution Complaint #: 00-3144 Closed Date: 10/6/2000 Facility ID: 3900092	1215 NORTH QUAKER LA	NW 1/8 - 1/4 (0.174 mi.)	D12	33
QUAKER LANE APARTMEN Database: LUST REG NO, Date of Government Version: 05/18/2004 Facility Status: Closed Pollution Complaint #: 00-3150 Closed Date: 10/6/2000	1221 NORTH QUAKER LA	NW 1/8 - 1/4 (0.176 mi.)	D13	33

EXECUTIVE SUMMARY

Facility ID: 3900097				
CITGO FAIRLINGTON (P	1333 NORTH QUAKER LA	N 1/8 - 1/4 (0.230 mi.)	F17	38
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Closed				
Pollution Complaint #: 95-3793				
Closed Date: 5/21/1997				
Facility ID: 3900901				
BP STATION	3500 KING STREET	NW 1/8 - 1/4 (0.233 mi.)	G19	40
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Closed				
Pollution Complaint #: 88-0020				
Closed Date: 8/5/1994				
Facility ID: 3900756				
TOSCO #263 5096 (FOR	3500 KING STREET	NW 1/8 - 1/4 (0.233 mi.)	G21	50
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Open				
Pollution Complaint #: 00-3299				
Facility ID: 3007685				
MOBIL #16-DG6	3500 KING STREET	NW 1/8 - 1/4 (0.233 mi.)	G22	50
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Closed				
Pollution Complaint #: 89-1731				
Pollution Complaint #: 96-3170				
Closed Date: 8/23/1989				
Closed Date: 8/4/1998				
Facility ID: 3015169				
SHELL FAIRLINGTON	1313 NORTH QUAKER LA	N 1/4 - 1/2 (0.252 mi.)	F24	51
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Closed				
Facility Status: Open				
Pollution Complaint #: 84-0256				
Pollution Complaint #: 98-3555				
Closed Date: 8/5/1994				
Facility ID: 3009095				
VIRGINIA THEOLOGICAL	3737 SEMINARY ROAD	SW 1/4 - 1/2 (0.430 mi.)	I31	57
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Closed				
Pollution Complaint #: 92-0625				
Closed Date: 12/1/1991				
Facility ID: 3025227				
Lower Elevation	Address	Direction / Distance	Map ID	Page
AMOCO #3454 (FORMER)	1615 NORTH QUAKER LA	N 1/4 - 1/2 (0.410 mi.)	H29	56
Database: LUST REG NO, Date of Government Version: 05/18/2004				
Facility Status: Closed				
Pollution Complaint #: 83-0402				
Pollution Complaint #: 89-0468				
Closed Date: 8/5/1994				
Closed Date: 1/16/1996				
Facility ID: 3014820				
SUNOCO/FAIRLINGTON	1639 NORTH QUAKER LA	N 1/4 - 1/2 (0.462 mi.)	J34	66
Database: LUST REG NO, Date of Government Version: 05/18/2004				

EXECUTIVE SUMMARY

Facility Status: Closed
 Pollution Complaint #: 84-0418
 Pollution Complaint #: 90-0024
 Closed Date: 8/5/1994
 Closed Date: 7/9/1996
 Facility ID: 3024588

LTANKS: The Leaking Tanks Database contains current Leaking petroleum tanks. The data comes from the Department of Environmental Quality.

A review of the LTANKS list, as provided by EDR, and dated 05/04/2016 has revealed that there are 13 LTANKS sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported Facility Status: Closed CEDS Facility Id: 200000078460 Pollution Complaint #: 20063082	3410 KING ST	NW 1/8 - 1/4 (0.160 mi.)	C10	31
LINDSAY CADILLAC Facility Status: Closed CEDS Facility Id: 200000078460 Pollution Complaint #: 19900962	3410 KING ST	NW 1/8 - 1/4 (0.160 mi.)	C11	32
QUAKER LANE APARTMEN Facility Status: Closed CEDS Facility Id: 200000075393 Pollution Complaint #: 20003150 Pollution Complaint #: 20003144	1229 QUAKER LN	NW 1/8 - 1/4 (0.179 mi.)	D14	34
BP STATION Facility Status: Closed CEDS Facility Id: 200000076375 Pollution Complaint #: 20003299 Pollution Complaint #: 19963170 Pollution Complaint #: 19891731 Pollution Complaint #: 19880020	3500 KING STREET	NW 1/8 - 1/4 (0.233 mi.)	G19	40
ROYAL SERVICE CENTER Facility Status: Closed CEDS Facility Id: 200000193980 Pollution Complaint #: 20063029 Pollution Complaint #: 19983555 Pollution Complaint #: 19953793 Pollution Complaint #: 19840256	1313 AND 1333 N QUAK	N 1/4 - 1/2 (0.252 mi.)	F23	51
BROWN THOMAS C JR OR Facility Status: Closed CEDS Facility Id: 200000881579 Pollution Complaint #: 20163088	1410 BISHOP LN	SW 1/4 - 1/2 (0.255 mi.)	25	52
ALEXANDRIA BIBLE CHU Facility Status: Closed CEDS Facility Id: 200000880334 Pollution Complaint #: 20153179	1302 W BRADDOCK RD	ENE 1/4 - 1/2 (0.263 mi.)	26	52
VIRGINIA THEOLOGICAL	3737 SEMINARY RD	SW 1/4 - 1/2 (0.430 mi.)	I32	58

EXECUTIVE SUMMARY

Facility Status: Closed
 CEDS Facility Id: 200000093443
 Pollution Complaint #: 19920625

EPISCOPAL HIGH SCHOOL Facility Status: Closed CEDS Facility Id: 200000078694 Pollution Complaint #: 20003230	1200 N QUAKER LN	W 1/4 - 1/2 (0.460 mi.)	33	61
TWINN ROGER PROPERTY Facility Status: Closed CEDS Facility Id: 200000857159 Pollution Complaint #: 20123161	1420 KEY DR	SSW 1/4 - 1/2 (0.486 mi.)	36	68

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SHELL 100527 Facility Status: Closed CEDS Facility Id: 200000074032 Pollution Complaint #: 20073257	3401 KING ST	NNW 1/8 - 1/4 (0.141 mi.)	B9	31
AMOCO #3454 Facility Status: Closed CEDS Facility Id: 200000073548 Pollution Complaint #: 19890468 Pollution Complaint #: 19830402	1615 N QUAKER LN	N 1/4 - 1/2 (0.410 mi.)	H30	57
SUNOCO SERVICE STATI Facility Status: Closed CEDS Facility Id: 200000193983 Pollution Complaint #: 19900024 Pollution Complaint #: 19840418	1639 QUAKER LANE	N 1/4 - 1/2 (0.462 mi.)	J35	67

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environmental Quality's Underground Storage Tank Data Notification Information.

A review of the UST list, as provided by EDR, and dated 05/03/2016 has revealed that there are 3 UST sites within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
QUAKER LANE APARTMEN Tank Status: REM FROM GRD Facility Id: 3021167 CEDS Facility ID: 200000075393	1229 QUAKER LN	NW 1/8 - 1/4 (0.179 mi.)	D14	34
SUNOCO 0610 5795 Tank Status: REM FROM GRD Tank Status: CURR IN USE Facility Id: 3015169 CEDS Facility ID: 200000076375	3500 KING ST	NW 1/8 - 1/4 (0.233 mi.)	G20	41

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KING STREET SHELL	3401 KING ST	NNW 1/8 - 1/4 (0.141 mi.)	B7	20

EXECUTIVE SUMMARY

Tank Status: REM FROM GRD
Tank Status: CURR IN USE
Facility Id: 3019103
CEDDS Facility ID: 200000074032

State and tribal voluntary cleanup sites

VCP: The Voluntary Remediation Program encourages owners of selected contaminated sites to take the initiative to conduct voluntary cleanups that meet state environmental standards. These sites are generally either open dumps or unpermitted solid waste disposal facilities. VCP sites can not be listed on the NPL, nor can they involve disposed RCRA hazardous wastes. The source of this data is the Department of Environmental Quality.

A review of the VCP list, as provided by EDR, and dated 03/28/2016 has revealed that there are 2 VCP sites within approximately 0.5 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SAFEWAY STORE #3250 Facility ID: VRP00618	3526 KING STREET	NW 1/4 - 1/2 (0.290 mi.)	27	53
FAIRLINGTON CLEANERS Facility ID: VRP00409	1712 FERN STREET	N 1/4 - 1/2 (0.341 mi.)	28	54

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

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.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 12/09/2015 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	3401 KING ST	NNW 1/8 - 1/4 (0.141 mi.)	B8	29

DRYCLEANERS: A listing of registered drycleaners.

A review of the DRYCLEANERS list, as provided by EDR, and dated 12/31/2014 has revealed that there is 1 DRYCLEANERS site within approximately 0.25 miles of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
KING DRY CLEANERS Registration Number: 72133	3425B KING ST	NNW 1/8 - 1/4 (0.196 mi.)	E16	38

EXECUTIVE SUMMARY

Oper Status: Operating

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 3 records.

<u>Site Name</u>	<u>Database(s)</u>
GEORGE WASHINGTON PARKWAY	LUST
GEORGE WASHINGTON PARKWAY	LUST
ARISTO VALET CLEANERS	VCP

OVERVIEW MAP - 04712750.2R



- ★ 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
- Dept. Defense Sites

- 0 1/4 1/2 1 Miles
- ▨ Indian Reservations BIA
- ⚡ County Boundary
- ⚡ Power transmission lines
- ⚡ Pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- ▨ National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: TC Williams
 ADDRESS: 3330 King Street
 Alexandria VA 22302
 LAT/LONG: 38.824665 / 77.085878

CLIENT: Froehling & Robertson, Inc.
 CONTACT: Megghan Oksanen
 INQUIRY #: 04712750.2r
 DATE: August 29, 2016 10:50 am

DETAIL MAP - 04712750.2R



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Manufactured Gas Plants
- ⚠ Sensitive Receptors
- 🚧 National Priority List Sites
- 🏠 Dept. Defense Sites

- 0 1/16 1/8 1/4 Miles
- 🏞 Indian Reservations BIA
- 📏 County Boundary
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory

This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: TC Williams
 ADDRESS: 3330 King Street
 Alexandria VA 22302
 LAT/LONG: 38.824665 / 77.085878

CLIENT: Froehling & Robertson, Inc.
 CONTACT: Megghan Oksanen
 INQUIRY #: 04712750.2r
 DATE: August 29, 2016 10:52 am

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
<i>Federal NPL site list</i>								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<i>Federal Delisted NPL site list</i>								
Delisted NPL	1.000		0	0	0	0	NR	0
<i>Federal CERCLIS list</i>								
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
SEMS	0.500		0	0	0	NR	NR	0
<i>Federal CERCLIS NFRAP site list</i>								
SEMS-ARCHIVE	0.500		0	0	0	NR	NR	0
<i>Federal RCRA CORRACTS facilities list</i>								
CORRACTS	1.000		0	0	0	0	NR	0
<i>Federal RCRA non-CORRACTS TSD facilities list</i>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<i>Federal RCRA generators list</i>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250	1	0	1	NR	NR	NR	2
RCRA-CESQG	0.250		0	2	NR	NR	NR	2
<i>Federal institutional controls / engineering controls registries</i>								
LUCIS	0.500		0	0	0	NR	NR	0
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
<i>Federal ERNS list</i>								
ERNS	TP		NR	NR	NR	NR	NR	0
<i>State- and tribal - equivalent CERCLIS</i>								
SHWS	N/A		N/A	N/A	N/A	N/A	N/A	N/A
<i>State and tribal landfill and/or solid waste disposal site lists</i>								
SWF/LF	0.500		0	0	0	NR	NR	0
<i>State and tribal leaking storage tank lists</i>								
LUST	0.500	1	0	6	4	NR	NR	11
INDIAN LUST	0.500		0	0	0	NR	NR	0
LTANKS	0.500	1	0	5	8	NR	NR	14
<i>State and tribal registered storage tank lists</i>								
FEMA UST	0.250		0	0	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
UST	0.250	1	0	3	NR	NR	NR	4
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
ENG CONTROLS	0.500		0	0	0	NR	NR	0
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
INDIAN VCP	0.500		0	0	0	NR	NR	0
VCP	0.500		0	0	2	NR	NR	2
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
INDIAN ODI	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US HIST CDL	TP		NR	NR	NR	NR	NR	0
US CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
SPILLS	TP	1	NR	NR	NR	NR	NR	1
SPILLS 90	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		0	1	NR	NR	NR	1
FUDS	1.000		0	0	0	0	NR	0
DOD	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0

MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
SSTS	TP		NR	NR	NR	NR	NR	0
ROD	1.000		0	0	0	0	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
ICIS	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
DOT OPS	TP		NR	NR	NR	NR	NR	0
CONSENT	1.000		0	0	0	0	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
FUSRAP	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
US AIRS	TP	1	NR	NR	NR	NR	NR	1
US MINES	0.250		0	0	NR	NR	NR	0
FINDS	TP	1	NR	NR	NR	NR	NR	1
DOCKET HWC	TP		NR	NR	NR	NR	NR	0
UXO	1.000		0	0	0	0	NR	0
AIRS	TP		NR	NR	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
DRYCLEANERS	0.250		0	1	NR	NR	NR	1
ENF	TP		NR	NR	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
TIER 2	TP		NR	NR	NR	NR	NR	0
UIC	TP		NR	NR	NR	NR	NR	0
ECHO	TP	1	NR	NR	NR	NR	NR	1
FUELS PROGRAM	0.250		0	0	NR	NR	NR	0

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	1.000		0	0	0	0	NR	0
- Totals --		8	0	19	14	0	0	41

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A1
Target 3330 KING ST
Property ALEXANDRIA, VA 22302

RCRA-SQG 1000439146
VAD981107576

Site 1 of 6 in cluster A

Actual:
192 ft.

RCRA-SQG:
Date form received by agency: 09/03/1998
Facility name: Not reported
Facility address: 3330 KING ST
ALEXANDRIA, VA 22302
EPA ID: VAD981107576
Contact: Not reported
Contact address: Not reported
Contact country: US
Contact telephone: Not reported
Contact email: Not reported
EPA Region: Not reported
Land type: Municipal
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Municipal
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: ALEXANDRIA CITY PUBLIC SCHOOLS
Owner/operator address: 2000 N BEAUREGARD ST
ALEXANDRIA, VA 22311
Owner/operator country: Not reported
Owner/operator telephone: (703) 824-6600
Legal status: Municipal
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 01/02/1986
Site name: T C WILLIAMS HIGH SCH
Classification: Conditionally Exempt Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: SR - 9 VAC 20-60-380.A.1&3
Area of violation: Generators - Manifest
Date violation determined: 11/17/1998
Date achieved compliance: 01/20/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 9 VAC 20-60-370.E.a(2)
Area of violation: Generators - Pre-transport
Date violation determined: 11/17/1998
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 9 VAC 20-60-540.F
Area of violation: Generators - Pre-transport
Date violation determined: 11/17/1998
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 9 VAC 20-60-340

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Area of violation: Generators - General
Date violation determined: 11/17/1998
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 9 VAC 20-60-1440.G.1.a
Area of violation: LDR - General
Date violation determined: 11/17/1998
Date achieved compliance: 01/20/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 9 VAC 20-60-370.E.4.e(2)(a,b,c)
Area of violation: Generators - Pre-transport
Date violation determined: 11/17/1998
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - VHWMR 6.4.E.3.a.(2)
Area of violation: Generators - Pre-transport
Date violation determined: 09/03/1998
Date achieved compliance: 11/30/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/09/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - VHWMR 6.4.E.3.a.(2)
Area of violation: Generators - Pre-transport

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Date violation determined: 09/03/1998
Date achieved compliance: 11/30/1998
Violation lead agency: State
Enforcement action: Referral to Enforcement
Enforcement action date: 09/09/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.4.E.4.e.(3)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/1997
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/22/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.4.E.4.e.(3)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/1997
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: Referral to Enforcement
Enforcement action date: 09/09/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.1
Area of violation: Generators - General
Date violation determined: 09/19/1997
Date achieved compliance: 11/30/1998
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 10/21/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.1
Area of violation: Generators - General
Date violation determined: 09/19/1997

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Date achieved compliance: 11/30/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/09/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.4.E.4.d & 9.2 C
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/1997
Date achieved compliance: 09/09/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/22/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.4.E.4.e.(2)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/1997
Date achieved compliance: 09/09/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/22/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.4.E.4.e.(3)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/1997
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 11/30/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.1
Area of violation: Generators - General
Date violation determined: 09/19/1997
Date achieved compliance: 11/30/1998

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Violation lead agency: State
Enforcement action: Referral to Enforcement
Enforcement action date: 09/09/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.4.E.4.e.(3)
Area of violation: Generators - Pre-transport
Date violation determined: 09/19/1997
Date achieved compliance: 01/04/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/09/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Regulation violated: SR - 6.1
Area of violation: Generators - General
Date violation determined: 09/19/1997
Date achieved compliance: 11/30/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 09/22/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: Not reported
Final penalty amount: Not reported
Paid penalty amount: Not reported

Evaluation Action Summary:
Evaluation date: 01/20/1999
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 11/30/1998
Evaluation lead agency: State

Evaluation date: 11/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 01/20/1999
Evaluation lead agency: State

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Evaluation date: 11/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/30/1998
Evaluation lead agency: State

Evaluation date: 11/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General
Date achieved compliance: 01/04/1999
Evaluation lead agency: State

Evaluation date: 11/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Manifest
Date achieved compliance: 01/20/1999
Evaluation lead agency: State

Evaluation date: 11/17/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/04/1999
Evaluation lead agency: State

Evaluation date: 09/03/1998
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 11/30/1998
Evaluation lead agency: State

Evaluation date: 09/03/1998
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/09/1998
Evaluation lead agency: State

Evaluation date: 09/03/1998
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - General
Date achieved compliance: 11/30/1998
Evaluation lead agency: State

Evaluation date: 09/03/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/03/1998
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/04/1999
Evaluation lead agency: State

Evaluation date: 09/19/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - General

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000439146

Date achieved compliance: 11/30/1998
Evaluation lead agency: State

Evaluation date: 09/19/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 01/04/1999
Evaluation lead agency: State

Evaluation date: 09/19/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Generators - Pre-transport
Date achieved compliance: 09/09/1998
Evaluation lead agency: State

A2
Target
Property

T C WILLIAMS HIGH SCHOOL
3330 KING ST
ALEXANDRIA, VA 22302

LTANKS U003680208
UST N/A

Site 2 of 6 in cluster A

Actual:
192 ft.

LTANKS:
Region: NVRO
CEDS Facility Id: 200000074112
Case Status: Closed
Pollution Complaint #: 20053085
Reported: 09/29/2004

Region: NVRO
CEDS Facility Id: 200000074112
Case Status: Closed
Pollution Complaint #: 19993002
Reported: 07/01/1998

Facility:
Facility Id: 3011815
Facility Type: LOCAL
CEDS Facility ID: 200000074112

Owner:
Owner Id: 32721
Owner Name: ALEXANDRIA CITY PUBLIC SCHOOLS
Owner Address: 2000 NORTH BEAUREGARD STREET
Owner Address2: Not reported
Owner City, State, Zip: ALEXANDRIA, VA 22311
Owner Type: LOCAL
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 1

UST:
Facility ID: 3011815
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 2000
Tank Contents: USED OIL

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T C WILLIAMS HIGH SCHOOL (Continued)

U003680208

Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	5/3/1967
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	GRAVITY
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

A4 **T. C. WILLIAMS HIGH SCHOOL**
Target **3330 KING ST**
Property **ALEXANDRIA, VA 22302**

US AIRS **1017783187**
N/A

Site 4 of 6 in cluster A

Actual:
192 ft.

US AIRS MINOR:
Envid: 1017783187
Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
D and B Number: Not reported
Primary SIC Code: 8211
NAICS Code: 611110
Default Air Classification Code: MIN
Facility Type of Ownership Code: CNG
Air CMS Category Code: Not reported
HPV Status: Not reported

US AIRS MINOR:
Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-09-21 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1993-12-15 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 1998-02-19 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

T. C. WILLIAMS HIGH SCHOOL (Continued)

1017783187

Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2003-05-16 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2004-07-23 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2006-12-04 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2010-04-20 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03
Programmatic ID: AIR VA0000005151000050
Facility Registry ID: 110001895888
Air Operating Status Code: OPR
Default Air Classification Code: MIN
Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
Activity Date: 2011-01-25 00:00:00
Activity Status Date: Not reported
Activity Group: Compliance Monitoring
Activity Type: Inspection/Evaluation
Activity Status: Not reported

Region Code: 03

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

T. C. WILLIAMS HIGH SCHOOL (Continued)

1017783187

Programmatic ID: AIR VA0000005151000050
 Facility Registry ID: 110001895888
 Air Operating Status Code: OPR
 Default Air Classification Code: MIN
 Air Program: State Implementation Plan for National Primary and Secondary Ambient Air Quality Standards
 Activity Date: 2013-01-15 00:00:00
 Activity Status Date: Not reported
 Activity Group: Compliance Monitoring
 Activity Type: Inspection/Evaluation
 Activity Status: Not reported

**A5
 Target
 Property**

**T. C. WILLIAMS HIGH SCHOOL
 3330 KING STREET
 ALEXANDRIA, VA 22302**

**LUST S103916376
 N/A**

Site 5 of 6 in cluster A

**Actual:
 192 ft.**

LUST REG NO:
 Region: NO
 Facility ID: 3900298
Status: Closed
 Tank Size: 30,000
 Product: heating oil
 Release Date: 07/01/1998
 Closed Date: 11/3/1998
 Case Type: Article 11
 Case Officer: Ron C. Linton
 Pollution Complaint #: 99-3002
 Permit Number: Not reported
 Priority: Not reported

**A6
 Target
 Property**

**T C WILLIAMS HIGH SCHOOL
 3330 KING STREET
 ALEXANDRIA, VA 22302**

**FINDS 1016123348
 ECHO N/A**

Site 6 of 6 in cluster A

**Actual:
 192 ft.**

FINDS:
 Registry ID: 110001895888

Environmental Interest/Information System

AFS (Aerometric Information Retrieval System (AIRS) Facility Subsystem) replaces the former Compliance Data System (CDS), the National Emission Data System (NEDS), and the Storage and Retrieval of Aerometric Data (SAROAD). AIRS is the national repository for information concerning airborne pollution in the United States. AFS is used to track emissions and compliance data from industrial plants. AFS data are utilized by states to prepare State Implementation Plans to comply with regulatory programs and by EPA as an input for the estimation of total national emissions. AFS is undergoing a major redesign to support facility operating permits required under Title V of the Clean Air Act.

CEDS (Virginia - Comprehensive Environmental Data System) is the

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

T C WILLIAMS HIGH SCHOOL (Continued)

1016123348

Department of Environmental Quality's (DEQ) electronic data system for maintaining databases on sources of pollutants in all media.

US EPA Air Quality System (AQS) contains ambient air pollution data collected by EPA, State, Local, and Tribal air pollution control agencies from thousands of monitoring stations.

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

AIR MINOR

ECHO:

Envid: 1016123348
 Registry ID: 110001895888
 DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110001895888

**B7
 NNW
 1/8-1/4
 0.141 mi.
 743 ft.**

**KING STREET SHELL
 3401 KING ST
 ALEXANDRIA, VA 22302**

**UST
 Financial Assurance**

**U003681186
 N/A**

Site 1 of 3 in cluster B

**Relative:
 Lower**

Facility:
 Facility Id: 3019103
 Facility Type: GAS STATION
 CEDS Facility ID: 200000074032

**Actual:
 190 ft.**

Owner:
 Owner Id: 44891
 Owner Name: DAG Petroleum Suppliers LLC
 Owner Address: 6820 B Commercial Dr
 Owner Address2: Not reported
 Owner City, State, Zip: Springfield, VA 22151
 Owner Type: COMMERCIAL
 Number of Active AST: 0
 Number of Active UST: 3
 Number of Inactive AST: 0
 Number of Inactive UST: 4

Owner Id: 39588
 Owner Name: Motiva Enterprises Limited Liability Corporation
 Owner Address: 520 Allens Ave Bldg 2
 Owner Address2: Not reported
 Owner City, State, Zip: Providence, RI 2905
 Owner Type: COMMERCIAL
 Number of Active AST: 0
 Number of Active UST: 3
 Number of Inactive AST: 0
 Number of Inactive UST: 4

UST:

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KING STREET SHELL (Continued)

U003681186

Facility ID:	3019103
Federally Regulated:	Yes
Tank Number:	1CA
Tank Capacity:	12000
Tank Contents:	GASOLINE
Tank Status:	CURR IN USE
Tank Type:	UST
Tank Material:	
Install Date:	12/15/2007
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	Yes
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	Yes
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	No
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	Yes
Pipe Release Detection: Other Method	Yes
Pipe Release Detection: Other Note	ATG
Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING STREET SHELL (Continued)

U003681186

Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3019103
Federally Regulated:	Yes
Tank Number:	2CA
Tank Capacity:	8000
Tank Contents:	GASOLINE
Tank Status:	CURR IN USE
Tank Type:	UST
Tank Material:	
Install Date:	12/5/2007
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	Yes
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	Yes
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	No
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	Yes
Pipe Release Detection: Other Method	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING STREET SHELL (Continued)

U003681186

Pipe Release Detection: Other Note	Not reported
Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3019103
Federally Regulated:	Yes
Tank Number:	3
Tank Capacity:	5000
Tank Contents:	DIESEL
Tank Status:	CURR IN USE
Tank Type:	UST
Tank Material:	
Install Date:	12/15/2007
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	Yes
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	Yes
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING STREET SHELL (Continued)

U003681186

Pipe Release Detection: Leak Deferred	No
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	Yes
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	ATG
Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3019103
Federally Regulated:	Yes
Tank Number:	R1
Tank Capacity:	10000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	4/25/1979
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	Yes

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KING STREET SHELL (Continued)

U003681186

Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3019103
Federally Regulated:	Yes
Tank Number:	R2
Tank Capacity:	10000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	4/25/1979
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

KING STREET SHELL (Continued)

U003681186

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	Yes
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type: PRESSURE

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID: 3019103

Federally Regulated: Yes

Tank Number: R3

Tank Capacity: 10000

Tank Contents: GASOLINE

Tank Status: REM FROM GRD

Tank Type: UST

Tank Material:

Install Date:	4/25/1979
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING STREET SHELL (Continued)

U003681186

Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	Yes
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

Pipe Materials: Bare Steel	NO PRESSURE
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

Facility ID:	3019103
Federally Regulated:	Yes

Tank Number:	R4
Tank Capacity:	10000
Tank Contents:	DIESEL
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING STREET SHELL (Continued)

U003681186

Install Date:	4/25/1979
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	Yes
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	Yes
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

VA Financial Assurance 1:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

KING STREET SHELL (Continued)

U003681186

Facility ID: 3019103
Owner Name: DAG Petroleum Suppliers LLC
ROF Own Id: 44891
Tank Type: UST
Mechanism: Insurance
Gallonage: Not reported
Per Occurrence: 1000000
Third Party: 1000000
Annual Aggregate: 2000000
In Compliance: Not reported
Total Capacity: 8000
CEDS Facility Name: Texaco 230680006
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Facility ID: 3019103
Owner Name: DAG Petroleum Suppliers LLC
ROF Own Id: 44891
Tank Type: UST
Mechanism: Insurance
Gallonage: Not reported
Per Occurrence: 1000000
Third Party: 1000000
Annual Aggregate: 2000000
In Compliance: Not reported
Total Capacity: 12000
CEDS Facility Name: Texaco 230680006
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Facility ID: 3019103
Owner Name: DAG Petroleum Suppliers LLC
ROF Own Id: 44891
Tank Type: UST
Mechanism: Insurance
Gallonage: Not reported
Per Occurrence: 1000000
Third Party: 1000000
Annual Aggregate: 2000000
In Compliance: Not reported
Total Capacity: 5000
CEDS Facility Name: Texaco 230680006
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

B8
NNW
1/8-1/4
0.141 mi.
743 ft.

3401 KING ST
ALEXANDRIA, VA 22302
Site 2 of 3 in cluster B

RCRA NonGen / NLR 1000448186
VAD988172680

Relative:
Lower

RCRA NonGen / NLR:
Date form received by agency: 12/30/2010
Facility name: Not reported
Facility address: 3401 KING ST
ALEXANDRIA, VA 22302
EPA ID: VAD988172680
Mailing address: PO BOX 2099

Actual:
190 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000448186

Contact: HOUSTON, TX 772522099
Contact address: SONDRA BIENVENU
PO BOX 2099
HOUSTON, TX 772522099
Contact country: US
Contact telephone: (713) 241-2258
Contact email: Not reported
EPA Region: Not reported
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: MOTIVA ENTERPRISES LLC
Owner/operator address: PO BOX 4540
HOUSTON, TX 77210
Owner/operator country: Not reported
Owner/operator telephone: (713) 241-2258
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Historical Generators:

Date form received by agency: 07/15/2002
Site name: STAR ENTERPRISE
Classification: Not a generator, verified

Date form received by agency: 07/05/1990
Site name: STAR ENTERPRISE

MAP FINDINGS

Map ID
Direction
Distance
Elevation

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000448186

Classification: Small Quantity Generator
Violation Status: No violations found

**B9
NNW
1/8-1/4
0.141 mi.
743 ft.**

**SHELL 100527
3401 KING ST
ALEXANDRIA, VA 22302**

**LTANKS S108521432
N/A**

Site 3 of 3 in cluster B

**Relative:
Lower**

LTANKS:
Region: NVRO
CEDS Facility Id: 200000074032
Case Status: Closed
Pollution Complaint #: 20073257
Reported: 06/15/2007

**Actual:
190 ft.**

**C10
NW
1/8-1/4
0.160 mi.
847 ft.**

**3410 KING ST
ALEXANDRIA, VA 22302**

**RCRA-CESQG 1004790638
LTANKS VAD988215190**

Site 1 of 2 in cluster C

**Relative:
Higher**

RCRA-CESQG:
Date form received by agency: 04/27/1992
Facility name: Not reported
Facility address: 3410 KING ST
ALEXANDRIA, VA 22302
EPA ID: VAD988215190
Contact: RUSSELL BROWN
Contact address: 3410 KING ST
ALEXANDRIA, VA 22302
Contact country: US
Contact telephone: (703) 931-3000
Contact email: Not reported
EPA Region: Not reported
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

**Actual:
198 ft.**

Owner/Operator Summary:
Owner/operator name: LINDSAY CADILLAC CO
Owner/operator address: 1525 KENWOOD AVE
ALEXANDRIA, VA 22302
Owner/operator country: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

(Continued)

1004790638

Owner/operator telephone: (703) 998-6600
 Legal status: Private
 Owner/Operator Type: Owner
 Owner/Op start date: Not reported
 Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
 Mixed waste (haz. and radioactive): No
 Recycler of hazardous waste: No
 Transporter of hazardous waste: No
 Treater, storer or disposer of HW: No
 Underground injection activity: No
 On-site burner exemption: No
 Furnace exemption: No
 Used oil fuel burner: No
 Used oil processor: No
 User oil refiner: No
 Used oil fuel marketer to burner: No
 Used oil Specification marketer: No
 Used oil transfer facility: No
 Used oil transporter: No

Violation Status: No violations found

LTANKS:

Region: NVRO
 CEDS Facility Id: 200000078460
Case Status: Closed
 Pollution Complaint #: 20063082
 Reported: 10/12/2005

C11
 NW
 1/8-1/4
 0.160 mi.
 847 ft.

LINDSAY CADILLAC
3410 KING ST
ALEXANDRIA, VA 22302

LTANKS S102381446
SPILLS N/A

Site 2 of 2 in cluster C

Relative:
 Higher

LTANKS:

Region: NVRO
 CEDS Facility Id: 200000078460
Case Status: Closed
 Pollution Complaint #: 19900962
 Reported: 01/26/1990

Actual:
 198 ft.

SPILLS PC:

Region: Not reported
 Facility ID: 90962
 Fiscal Year: 90
 PC Number: 962
 Date Reported: 19900131
 Incident Region: Northern Regional Office
 Water Affected: Not reported
 Spilled Material: Petroleum
 Summary: soil contamination of kerosene & used oil from UST system at Lindsay Cadillac, 1251 Quaker Lane; USTs removed
 Amount Spilled: 0.0000

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

LINDSAY CADILLAC (Continued)

S102381446

Amount to Water: 0.0000
Cleaned By: Not reported
Personnel: Not reported
Project Type: Not reported
Release Status: Not reported
Tank Type: Not reported
Lat/Long: Not reported
Facility Status: Not reported
Date Closed: Not reported
Company: Not reported
USGS Quadrangle Map: Not reported
Date Complaint Received: Not reported
Responsible Party: Lindsay Cadillac
Responsible Person: Not reported
Topographic Quadrangle #: Not reported
Complete report filed by VWCB: No, complete report not on file
Recovery letter for investigative cost: Not reported

**D12
NW
1/8-1/4
0.174 mi.
919 ft.**

**QUAKER LANE APARTMENTS
1215 NORTH QUAKER LANE
ALEXANDRIA, VA 22302**

**LUST S104407561
N/A**

Site 1 of 3 in cluster D

**Relative:
Higher**

LUST REG NO:

Region: NO
Facility ID: 3900092
Status: Closed
Tank Size: 5,000
Product: heating oil
Release Date: 09/28/1999
Closed Date: 10/6/2000
Case Type: Article 11
Case Officer: James D. Green
Pollution Complaint #: 00-3144
Permit Number: Not reported
Priority: Not reported

**Actual:
198 ft.**

**D13
NW
1/8-1/4
0.176 mi.
931 ft.**

**QUAKER LANE APARTMENTS
1221 NORTH QUAKER LANE
ALEXANDRIA, VA 22302**

**LUST S104407566
N/A**

Site 2 of 3 in cluster D

**Relative:
Higher**

LUST REG NO:

Region: NO
Facility ID: 3900097
Status: Closed
Tank Size: 5,000
Product: heating oil
Release Date: 09/28/1999
Closed Date: 10/6/2000
Case Type: Article 11
Case Officer: James D. Green
Pollution Complaint #: 00-3150
Permit Number: Not reported

**Actual:
198 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

QUAKER LANE APARTMENTS (Continued)

S104407566

Priority: Not reported

D14
NW
1/8-1/4
0.179 mi.
946 ft.

QUAKER LANE APARTMENTS
1229 QUAKER LN
ALEXANDRIA, VA 22304

LTANKS **U003931246**
UST **N/A**

Site 3 of 3 in cluster D

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000075393
Case Status: Closed
Pollution Complaint #: 20003150
Reported: 09/28/1999

Actual:
198 ft.

Region: NVRO
CEDS Facility Id: 200000075393
Case Status: Closed
Pollution Complaint #: 20003144
Reported: 09/28/1999

Facility:

Facility Id: 3021167
Facility Type: RESIDENTIAL
CEDS Facility ID: 200000075393

Owner:

Owner Id: 37879
Owner Name: Quaker Lane Associates
Owner Address: 318 S Whiting St
Owner Address2: Not reported
Owner City, State, Zip: Alexandria, VA 22304
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 2

UST:

Facility ID: 3021167
Federally Regulated: No

Tank Number: 1
Tank Capacity: 5000
Tank Contents: FUEL OIL
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: Not reported
Tank Materials: Bare Steel: Yes
Tank Materials: Cath Protect Steel: No
Tank Materials: Epoxy Steel: No
Tank Materials: Fiberglass: No
Tank Materials: Concrete: No
Tank Materials: Composite: No
Tank Materials: Double Walled: No
Tank Materials: Lined Interior: No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

QUAKER LANE APARTMENTS (Continued)

U003931246

Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	Yes
Pipe Materials: Other	Yes
Pipe Materials: Other Note	BLACK

Facility ID:	3021167
Federally Regulated:	No

Tank Number:	2
Tank Capacity:	5000
Tank Contents:	FUEL OIL
Tank Status:	REM FROM GRD
Tank Type:	UST

Tank Material:	
Install Date:	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

QUAKER LANE APARTMENTS (Continued)

U003931246

Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:

Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	Yes
Pipe Materials: Other	Yes
Pipe Materials: Other Note	BLACK

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

E15
NNW
1/8-1/4
0.196 mi.
1034 ft.

3425 B KING ST
ALEXANDRIA, VA 22302

RCRA-CESQG 1004606360
VA0000030064

Site 1 of 2 in cluster E

Relative:
Higher

RCRA-CESQG:

Actual:
196 ft.

Date form received by agency: 09/30/1993
Facility name: Not reported
Facility address: 3425 B KING ST
ALEXANDRIA, VA 22302
EPA ID: VA0000030064
Contact: DU CHON
Contact address: 3425 B KING ST
ALEXANDRIA, VA 22302
Contact country: US
Contact telephone: (703) 379-1850
Contact email: Not reported
EPA Region: Not reported
Classification: Conditionally Exempt Small Quantity Generator
Description: Handler: generates 100 kg or less of hazardous waste per calendar month, and accumulates 1000 kg or less of hazardous waste at any time; or generates 1 kg or less of acutely hazardous waste per calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste; or generates 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste during any calendar month, and accumulates at any time: 1 kg or less of acutely hazardous waste; or 100 kg or less of any residue or contaminated soil, waste or other debris resulting from the cleanup of a spill, into or on any land or water, of acutely hazardous waste

Owner/Operator Summary:

Owner/operator name: JEROME GOLUB & RAYMOND LAFFEN
Owner/operator address: 1925 N LYNN ST
ALEXANDRIA, VA 22209
Owner/operator country: Not reported
Owner/operator telephone: (703) 243-8900
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1004606360

Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

E16
NNW
1/8-1/4
0.196 mi.
1035 ft.

KING DRY CLEANERS
3425B KING ST
ALEXANDRIA, VA 22302

DRYCLEANERS S112804804
N/A

Site 2 of 2 in cluster E

Relative:
Higher

DRYCLEANERS:

DEQ Region: NVRO
Registration Number: 72133
SIC: 7216
FIPS: 510
Oper Status: Operating
Contact Name: Young U Chon
Mobile Phone: Not reported
Phone1: 7033791850
Phone2: Not reported
Mailing Address: 3425-B King Street
Mailing City,St,Zip: Alexandria, VA 22302
SI Number: 222
SEQ Description: Multi-matic Shop Star Dry-to-Dry
Plant Classification: True Minor
FAC Inserted Date: 12/01/1999
FAC Changed Date: 04/29/2008

Actual:
196 ft.

F17
North
1/8-1/4
0.230 mi.
1217 ft.

CITGO FAIRLINGTON (PREP)
1333 NORTH QUAKER LANE
ALEXANDRIA, VA 0

LUST S104406996
N/A

Site 1 of 3 in cluster F

Relative:
Higher

LUST REG NO:

Region: NO
Facility ID: 3900901
Status: Closed
Tank Size: 0
Product: Not reported
Release Date: 11/03/1994
Closed Date: 5/21/1997
Case Type: Article 11
Case Officer: Ron C. Linton
Pollution Complaint #: 95-3793
Permit Number: 0
Priority: -

Actual:
203 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G18
NW
1/8-1/4
0.233 mi.
1232 ft.

3500 KING ST
ALEXANDRIA, VA 22302

Site 1 of 5 in cluster G

RCRA-SQG 1000581062
VAD988197760

Relative:
Higher

RCRA-SQG:

Date form received by agency: 04/15/1991
Facility name: Not reported
Facility address: 3500 KING ST
ALEXANDRIA, VA 22302
EPA ID: VAD988197760
Mailing address: 3225 GALLOWS RD-MKTG-ENVIRON
FAIRFAX, VA 22037
Contact: DAN HORTON
Contact address: 3500 KING ST
ALEXANDRIA, VA 22302
Contact country: US
Contact telephone: (703) 849-3330
Contact email: Not reported
EPA Region: Not reported
Classification: Small Small Quantity Generator
Description: Handler: generates more than 100 and less than 1000 kg of hazardous waste during any calendar month and accumulates less than 6000 kg of hazardous waste at any time; or generates 100 kg or less of hazardous waste during any calendar month, and accumulates more than 1000 kg of hazardous waste at any time

Actual:
198 ft.

Owner/Operator Summary:

Owner/operator name: MOBIL OI CORP-MKTG-ENVIRON
Owner/operator address: 3225 GALLOWS RD
FAIRFAX, VA 22037
Owner/operator country: Not reported
Owner/operator telephone: (703) 849-3330
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

(Continued)

1000581062

Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

G19
NW
1/8-1/4
0.233 mi.
1232 ft.

BP STATION
3500 KING STREET
ALEXANDRIA, VA 22302
Site 2 of 5 in cluster G

LUST S104896886
LTANKS N/A

Relative:
Higher

LUST REG NO:

Region: NO
Facility ID: 3900756
Status: Closed
Tank Size: 0
Product: Not reported
Release Date: 07/06/1987
Closed Date: 8/5/1994
Case Type: Article 9
Case Officer: Randy Chapman
Pollution Complaint #: 88-0020
Permit Number: 0
Priority: -

Actual:
198 ft.

LTANKS:

Region: NVRO
CEDS Facility Id: 200000076375
Case Status: Closed
Pollution Complaint #: 20003299
Reported: 04/06/2000

Region: NVRO
CEDS Facility Id: 200000076375
Case Status: Closed
Pollution Complaint #: 19963170
Reported: 05/07/1996

Region: NVRO
CEDS Facility Id: 200000076375
Case Status: Closed
Pollution Complaint #: 19891731
Reported: 06/14/1989

Region: NVRO
CEDS Facility Id: 200000076375
Case Status: Closed
Pollution Complaint #: 19880020
Reported: 07/06/1987

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

G20 **SUNOCO 0610 5795**
NW **3500 KING ST**
1/8-1/4 **ALEXANDRIA, VA 22302**
0.233 mi.
1232 ft. **Site 3 of 5 in cluster G**

UST **U003680830**
Financial Assurance **N/A**

Relative:
Higher

Facility:
Facility Id: 3015169
Facility Type: GAS STATION
CEDS Facility ID: 200000076375

Actual:
198 ft.

Owner:
Owner Id: 34558
Owner Name: Sunoco Inc (R&M)
Owner Address: Airport Business Complex - Bldg G
Owner Address2: 10 Industrial Hwy North Loop Rd
Owner City, State, Zip: Lester, PA 19029
Owner Type: COMMERCIAL
Number of Active AST: 0
Number of Active UST: 3
Number of Inactive AST: 0
Number of Inactive UST: 4

Owner Id: 28304
Owner Name: Mobil Oil Corporation
Owner Address: 3225 Gallows Rd
Owner Address2: Not reported
Owner City, State, Zip: Fairfax, VA 22037
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 3
Number of Inactive AST: 0
Number of Inactive UST: 4

UST:

Facility ID: 3015169
Federally Regulated: Yes

Tank Number: 1
Tank Capacity: 10000
Tank Contents: GASOLINE
Tank Status: CURR IN USE
Tank Type: UST

Tank Material:

Install Date: 3/15/1987
Tank Materials: Bare Steel No
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass Yes
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type: PRESSURE

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	Yes
Pipe Materials: Other Note	Polyflexible

Facility ID: 3015169

Federally Regulated: Yes

Tank Number: 2

Tank Capacity: 10000

Tank Contents: GASOLINE

Tank Status: CURR IN USE

Tank Type: UST

Tank Material:

Install Date:	3/15/1987
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:

Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	Yes
Pipe Materials: Other Note	Polyflexible

Facility ID:	3015169
Federally Regulated:	Yes

Tank Number:	3
Tank Capacity:	10000
Tank Contents:	GASOLINE
Tank Status:	CURR IN USE
Tank Type:	UST

Tank Material:

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Install Date:	3/15/1987
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	Yes
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported

Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	Yes
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	Yes
Tank Release Detection: Overfill Install	Yes
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	Yes
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Pipe Type:	PRESSURE
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	Yes
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	Yes
Pipe Materials: Other Note	Polyflexible

Facility ID:	3015169
Federally Regulated:	Yes

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Tank Number:	R1
Tank Capacity:	6000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	5/5/1972
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	Yes
Tank Release Detection: Other Note	SIR
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3015169
Federally Regulated:	Yes
Tank Number:	R2
Tank Capacity:	6000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	5/5/1972
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	Yes
Tank Release Detection: Other Note	SIR
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3015169
Federally Regulated:	Yes
Tank Number:	R3
Tank Capacity:	8000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	5/5/1972
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	Yes
Tank Release Detection: Other Note	SIR
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	Yes
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3015169
Federally Regulated:	Yes
Tank Number:	R4
Tank Capacity:	8000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	5/5/1972
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method Yes
Tank Release Detection: Other Note SIR
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: UNKNOWN
Pipe Materials: Bare Steel No
Pipe Materials: Galvanized Steel Yes
Pipe Materials: Copper No
Pipe Materials: Fiberglass No
Pipe Materials: Cath Protect No
Pipe Materials: Double Walled No
Pipe Materials: Sec Containment No
Pipe Materials: Repaired No
Pipe Materials: Unknown No
Pipe Materials: Other No
Pipe Materials: Other Note Not reported

VA Financial Assurance 1:

Facility ID: 3015169
Owner Name: Sunoco Inc (R&M)
ROF Own Id: 34558
Tank Type: UST
Mechanism: Not reported
Gallorage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: Sunoco 0610 5795
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Facility ID: 3015169
Owner Name: Sunoco Inc (R&M)
ROF Own Id: 34558
Tank Type: UST
Mechanism: Not reported
Gallorage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDS Facility Name: Sunoco 0610 5795

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO 0610 5795 (Continued)

U003680830

Tank Status: CURR IN USE
Active Federally Regualted UST: Y

Facility ID: 3015169
Owner Name: Sunoco Inc (R&M)
ROF Own Id: 34558
Tank Type: UST
Mechanism: Not reported
Gallorage: Not reported
Per Occurence: Not reported
Third Party: Not reported
Annual Aggregate: Not reported
In Compliance: Not reported
Total Capacity: 10000
CEDs Facility Name: Sunoco 0610 5795
Tank Status: CURR IN USE
Active Federally Regualted UST: Y

**G21
NW
1/8-1/4
0.233 mi.
1232 ft.**

**TOSCO #263 5096 (FORMER MOBIL 16-DG6)
3500 KING STREET
ALEXANDRIA, VA 22302**

**LUST S105983991
N/A**

Site 4 of 5 in cluster G

**Relative:
Higher**

LUST REG NO:
Region: NO
Facility ID: 3007685
Status: Open
Tank Size: unknown
Product: gasoline
Release Date: 04/06/2000
Closed Date: Not reported
Case Type: Article 9
Case Officer: Riaz Syed
Pollution Complaint #: 00-3299
Permit Number: Not reported
Priority: Not reported

**Actual:
198 ft.**

**G22
NW
1/8-1/4
0.233 mi.
1232 ft.**

**MOBIL #16-DG6
3500 KING STREET
ALEXANDRIA, VA 0**

**LUST S105982935
N/A**

Site 5 of 5 in cluster G

**Relative:
Higher**

LUST REG NO:
Region: NO
Facility ID: 3015169
Status: Closed
Tank Size: 0
Product: Not reported
Release Date: 06/14/1989
Closed Date: 8/23/1989
Case Type: Article 9
Case Officer: Thomas R. Lancaster, P.G.
Pollution Complaint #: 89-1731
Permit Number: 0

**Actual:
198 ft.**

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

MOBIL #16-DG6 (Continued)

S105982935

Priority: -
Region: NO
Facility ID: 3015169
Status: Closed
Tank Size: 0
Product: Not reported
Release Date: 05/07/1996
Closed Date: 8/4/1998
Case Type: Article 9
Case Officer: Thomas R. Lancaster, P.G.
Pollution Complaint #: 96-3170
Permit Number: Not reported
Priority: 3

F23
North
1/4-1/2
0.252 mi.
1330 ft.

ROYAL SERVICE CENTER
1313 AND 1333 N QUAKER LN
ALEXANDRIA, VA 22302

LTANKS S106850473
N/A

Site 2 of 3 in cluster F

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000193980
Case Status: Closed
Pollution Complaint #: 20063029
Reported: 08/03/2005

Actual:
203 ft.

Region: NVRO
CEDS Facility Id: 200000193980
Case Status: Closed
Pollution Complaint #: 19983555
Reported: 09/15/1997

Region: NVRO
CEDS Facility Id: 200000193980
Case Status: Closed
Pollution Complaint #: 19953793
Reported: 11/03/1994

Region: NVRO
CEDS Facility Id: 200000193980
Case Status: Closed
Pollution Complaint #: 19840256
Reported: 12/14/1983

F24
North
1/4-1/2
0.252 mi.
1330 ft.

SHELL FAIRLINGTON
1313 NORTH QUAKER LANE
ALEXANDRIA, VA 22302

LUST S103915479
N/A

Site 3 of 3 in cluster F

Relative:
Higher

LUST REG NO:
Region: NO
Facility ID: 3009095
Status: Closed

Actual:
203 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SHELL FAIRLINGTON (Continued)

S103915479

Tank Size: 0
Product: Not reported
Release Date: 12/14/1983
Closed Date: 8/5/1994
Case Type: Not reported
Case Officer: Lewis E. Hilder
Pollution Complaint #: 84-0256
Permit Number: 0
Priority: -

Region: NO
Facility ID: 3009095
Status: Open
Tank Size: Not reported
Product: diesel fuel
Release Date: 09/15/1997
Closed Date: Not reported
Case Type: Article 11
Case Officer: Mark L. Miller
Pollution Complaint #: 98-3555
Permit Number: Not reported
Priority: 3

25
SW
1/4-1/2
0.255 mi.
1347 ft.

BROWN THOMAS C JR OR SALLY G RESIDENCE
1410 BISHOP LN
ALEXANDRIA, VA 22302

LTANKS S118456854
N/A

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000881579
Case Status: Closed
Pollution Complaint #: 20163088
Reported: 10/29/2015

Actual:
205 ft.

26
ENE
1/4-1/2
0.263 mi.
1387 ft.

ALEXANDRIA BIBLE CHURCH
1302 W BRADDOCK RD
ALEXANDRIA, VA 22302

LTANKS S118172659
N/A

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000880334
Case Status: Closed
Pollution Complaint #: 20153179
Reported: 04/13/2015

Actual:
201 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s) EDR ID Number
EPA ID Number

27
NW
1/4-1/2
0.290 mi.
1532 ft.

SAFeway STORE #3250
3526 KING STREET
ALEXANDRIA, VA 22302

VCP S113411889
N/A

Relative:
Higher

VRP:

Actual:
204 ft.

Facility ID: VRP00618
Site Status: Enrolled in Program
Site Status 2: Not reported
DEQ Region: Northern
Sizs in Acres: .0000
Site Type: Dry Cleaner
Corrective Action Desc: Not reported
Owner Name: same as applicant
Owner Contact: Not reported
Owner Address: Not reported
Owner Phone: Not reported
Operator Name: Not reported
Operator Owner: Not reported
Operator Phone: Not reported
Participant Name: Safeway, Inc.
Relationship to Site: Not reported
Participant Contact: Jeffrey Brown
Participant Phone: 925 226 5845
Participant Title: Director, Environmental Affairs
Participant Affiliation: Safeway, Inc.
Participant Address: 5918 Stoneridge Mall Road
Participant City,St,Zip: Pleasanton, CA 94588
Additional Parts: Not reported
Participation Notes: Not reported
Participant Rep/Contractor: Pete Granholm
Participant Rep/Contractor Phone: 301 417 0200
Participant Rep/Contractor Title: Geologist
Participant Rep/Contractor Affiliation: Apex
Participant Rep/Contractor Address: 15850 Crabbs Branch Way, Suite 200
Participant Rep/Contractor City,St,Zip: Rockville, MD 20855
Metal Contaminants Present in Soil: Not reported
Organic Contaminants Present in Soil: Not reported
Metal Contaminants Present in GW: Not reported
Organic Contaminants Present GW: Not reported
DEQ Staff Case Manager's Initials: DVG
Cleanup Standards: Not reported
No Further VRP Action Date: Not reported
Date Participant Notified of NFA: Not reported
Certification Date: Not reported
Deed Received Date: Not reported
Terms of NFA Determination: Not reported
Date VRP Eligibility Declared by Participant: 02/14/2013
Date VRP Eligibility Determined by DEQ Region: 04/25/2013
Dt Office Of Waste Permitting Verified Site Eligblty: 02/25/2013
Date VRP Eligibility Determined by VRP: Not reported
Date Signed Agreement Submitted By Participant: Not reported
Date Agreement Executed by DEQ: Not reported
Registration Fee Amount Submitted by Participant: 5000
Date Registration Fee Submitted by Participant: 05/17/2013
Site Characterization Document Number: Not reported
DEQ Concurrence with Site Characterization Date: Not reported
Remedial Action Work Plan Document Number: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

SAFeway STORE #3250 (Continued)

S113411889

DEQ Concurr with Remedial Action Work Plan Date: Not reported
 Completion Report Document Number: Not reported
 DEQ Concurr with Completion Report Date: Not reported
 Submittal Date for Document Number 1: Not reported
 Title of Submitted Document Number 1: Not reported
 Submittal Date for Document Number 2: Not reported
 Title of Submitted Document Number 2: Not reported
 Submittal Date for Document Number 3: Not reported
 Title of Submitted Document Number 3: Not reported
 Submittal Date for Document Number 4: Not reported
 Title of Submitted Document Number 4: Not reported
 Submittal Date for Document Number 5: Not reported
 Title of Submitted Document Number 5: Not reported
 Submittal Date for Document Number 6: Not reported
 Title of Submitted Document Number 6: Not reported
 Submittal Date for Document Number 7: Not reported
 Title of Submitted Document Number 7: Not reported
 Submittal Date for Document Number 8: Not reported
 Title of Submitted Document Number 8: Not reported
 DEQ Response Incident ID Number: Not reported
 EPA CERCLIS ID: Not reported
 EPA RCRA ID NUMBER: Not reported
 DEQ Pollution Complaint Number: Not reported
 Latest Action Relative To Site: Not reported
 Latest Action Relative To Site Date: Not reported
 Next VRP Step Needed Relating To Site: Agent response to comments pending
 Pending Since: Not reported
 Date Next Step Should Be Completed: Not reported
 Lat/Long: 0 / 0
 Brownfield Tax Incentive: Not reported
 Ground Water Use Restriction: False
 Res. User Restriction: False
 Excavation Restriction: False
 Unrestricted: False
 Other Condition of Issuance: False
 GPS Lat: 0
 GPS Long: 0
 GPS Desc: Not reported
 Notes: 2016-02-23 - Risk Assessment comments sent to agent

28
North
1/4-1/2
0.341 mi.
1801 ft.

FAIRLINGTON CLEANERS
1712 FERN STREET
ALEXANDRIA, VA 22302

VCP S106480394
DRYCLEANERS N/A

Relative:
Higher

VRP:
 Facility ID: VRP00409
 Site Status: Eligibility Denied
 Site Status 2: Not reported
 DEQ Region: Northern
 Sizs in Acres: 1.8000
 Site Type: Dry Cleaner
 Corrective Action Desc: Not reported
 Owner Name: Same as Participant
 Owner Contact: Not reported
 Owner Address: Not reported
 Owner Phone: Not reported

Actual:
195 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

FAIRLINGTON CLEANERS (Continued)

S106480394

Operator Name: Not reported
Operator Owner: Not reported
Operator Phone: Not reported
Participant Name: TBR Associates Limited Partnership
Relationship to Site: Not reported
Participant Contact: Mr. George A. Valanos
Participant Phone: 202.333.1901
Participant Title: Not reported
Participant Affiliation: The Midland Companies
Participant Address: 1228 31st Street, NW
Participant City,St,Zip: Washington, DC 20007
Additional Parts: Not reported
Participation Notes: Sent application to region 11/12/04 and OWP on 11/16/04. Eligibility denied.

Participant Rep/Contractor: Jeff Lund
Participant Rep/Contractor Phone: 703.471.8400
Participant Rep/Contractor Title: Not reported
Participant Rep/Contractor Affiliation: Environmental Consulting Services
Participant Rep/Contractor Address: 14026 Thunderbolt Place, Suite 100
Participant Rep/Contractor City,St,Zip: Chantilly, VA 20151
Metal Contaminants Present in Soil: Not reported
Organic Contaminants Present in Soil: Not reported
Metal Contaminants Present in GW: Not reported
Organic Contaminants Present GW: Not reported
DEQ Staff Case Manager's Initials: MOE
Cleanup Standards: Not reported
No Further VRP Action Date: Not reported
Date Participant Notified of NFA: Not reported
Certification Date: Not reported
Deed Received Date: Not reported
Terms of NFA Determination: Not reported
Date VRP Eligibility Declared by Participant: 11/03/2004
Date VRP Eligibility Determined by DEQ Region: Not reported
Dt Office Of Waste Permitting Verified Site Eligblty: Not reported
Date VRP Eligibility Determined by VRP: Not reported
Date Signed Agreement Submitted By Participant: Not reported
Date Agreement Executed by DEQ: Not reported
Registration Fee Amount Submitted by Participant: 0
Date Registration Fee Submitted by Participant: Not reported
Site Characterization Document Number: Not reported
DEQ Concurrence with Site Characterization Date: Not reported
Remedial Action Work Plan Document Number: Not reported
DEQ Concurs with Remedial Action Work Plan Date: Not reported
Completion Report Document Number: Not reported
DEQ Concurs with Completion Report Date: Not reported
Submittal Date for Document Number 1: Not reported
Title of Submitted Document Number 1: Not reported
Submittal Date for Document Number 2: Not reported
Title of Submitted Document Number 2: Not reported
Submittal Date for Document Number 3: Not reported
Title of Submitted Document Number 3: Not reported
Submittal Date for Document Number 4: Not reported
Title of Submitted Document Number 4: Not reported
Submittal Date for Document Number 5: Not reported
Title of Submitted Document Number 5: Not reported
Submittal Date for Document Number 6: Not reported
Title of Submitted Document Number 6: Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

FAIRLINGTON CLEANERS (Continued)

S106480394

Submittal Date for Document Number 7:	Not reported
Title of Submitted Document Number 7:	Not reported
Submittal Date for Document Number 8:	Not reported
Title of Submitted Document Number 8:	Not reported
DEQ Response Incident ID Number:	Not reported
EPA CERCLIS ID:	Not reported
EPA RCRA ID NUMBER:	Not reported
DEQ Pollution Complaint Number:	Not reported
Latest Action Relative To Site:	Not reported
Latest Action Relative To Site Date:	Not reported
Next VRP Step Needed Relating To Site:	Not reported
Pending Since:	Not reported
Date Next Step Should Be Completed:	Not reported
Lat/Long:	0 / 0
Brownfield Tax Incentive:	Not reported
Ground Water Use Restriction:	False
Res. User Restriction:	False
Excavation Restriction:	False
Unrestricted:	False
Other Condition of Issuance:	False
GPS Lat:	Not reported
GPS Long:	Not reported
GPS Desc:	Not reported
Notes:	11/30/04 - NRO did an inspection and found some violations.1/7/05 - Issued "eligibility denied" letter.2/7/05 - ECS delivered the response to NRO's NOV.

DRYCLEANERS:

DEQ Region:	NVRO
Registration Number:	72329
SIC:	7216
FIPS:	510
Oper Status:	Operating
Contact Name:	Not reported
Mobile Phone:	Not reported
Phone1:	Not reported
Phone2:	Not reported
Mailing Address:	1712 Fern St
Mailing City,St,Zip:	Alexandria, VA 22302
SI Number:	712
SEQ Description:	Multi-Matic Shop Sta
Plant Classification:	True Minor
FAC Inserted Date:	12/01/1999
FAC Changed Date:	11/14/2002

H29
North
1/4-1/2
0.410 mi.
2164 ft.

AMOCO #3454 (FORMER)(R.L. RAND & CO.)
1615 NORTH QUAKER LANE
ALEXANDRIA, VA 22302
Site 1 of 2 in cluster H

LUST S103457514
N/A

Relative:
Lower

LUST REG NO:	
Region:	NO
Facility ID:	3014820
Status:	Closed
Tank Size:	0
Product:	Not reported

Actual:
191 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

AMOCO #3454 (FORMER)(R.L. RAND & CO.) (Continued)

S103457514

Release Date: 01/27/1983
Closed Date: 8/5/1994
Case Type: Article 9
Case Officer: Randy Chapman
Pollution Complaint #: 83-0402
Permit Number: 0
Priority: -

Region: NO
Facility ID: 3014820
Status: Closed
Tank Size: 0
Product: Not reported
Release Date: 10/28/1988
Closed Date: 1/16/1996
Case Type: Article 9
Case Officer: Randy Chapman
Pollution Complaint #: 89-0468
Permit Number: 0
Priority: 3

H30
North
1/4-1/2
0.410 mi.
2164 ft.

AMOCO #3454
1615 N QUAKER LN
ALEXANDRIA, VA 22302
Site 2 of 2 in cluster H

LTANKS S105299518
N/A

Relative:
Lower

LTANKS:
Region: NVRO
CEDS Facility Id: 200000073548
Case Status: Closed
Pollution Complaint #: 19890468
Reported: 10/28/1988

Actual:
191 ft.

Region: NVRO
CEDS Facility Id: 200000073548
Case Status: Closed
Pollution Complaint #: 19830402
Reported: 01/27/1983

I31
SW
1/4-1/2
0.430 mi.
2273 ft.

VIRGINIA THEOLOGICAL SEMINARY
3737 SEMINARY ROAD
ALEXANDRIA, VA 0
Site 1 of 2 in cluster I

LUST S105983186
N/A

Relative:
Higher

LUST REG NO:
Region: NO
Facility ID: 3025227
Status: Closed
Tank Size: 0
Product: Not reported
Release Date: 10/03/1991
Closed Date: 12/1/1991
Case Type: Article 9
Case Officer: Bill Von Till

Actual:
264 ft.

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VIRGINIA THEOLOGICAL SEMINARY (Continued)

S105983186

Pollution Complaint #: 92-0625
Permit Number: 0
Priority: -

I32
SW
1/4-1/2
0.430 mi.
2273 ft.

VIRGINIA THEOLOGICAL SEMINARY
3737 SEMINARY RD
ALEXANDRIA, VA 22304
Site 2 of 2 in cluster I

LTANKS **U003682236**
UST **N/A**
AST

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000093443
Case Status: Closed
Pollution Complaint #: 19920625
Reported: 10/03/1991

Actual:
264 ft.

Facility:

Facility Id: 3025227
Facility Type: COMMERCIAL
CEDS Facility ID: 200000093443

Owner:

Owner Id: 35868
Owner Name: Virginia Theological Seminary
Owner Address: 3737 Seminary Rd
Owner Address2: Not reported
Owner City, State, Zip: Alexandria, VA 22304
Owner Type: PRIVATE
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 1

UST:

Facility ID: 3025227
Federally Regulated: Yes

Tank Number: R1
Tank Capacity: 2000
Tank Contents: GASOLINE
Tank Status: REM FROM GRD
Tank Type: UST

Tank Material:

Install Date: 7/1/1971
Tank Materials: Bare Steel Yes
Tank Materials: Cath Protect Steel No
Tank Materials: Epoxy Steel No
Tank Materials: Fiberglass No
Tank Materials: Concrete No
Tank Materials: Composite No
Tank Materials: Double Walled No
Tank Materials: Lined Interior No
Tank Materials: Excav Liner No
Tank Materials: Insulated Tank Jacket No
Tank Materials: Repaired No
Tank Materials: Unknown No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VIRGINIA THEOLOGICAL SEMINARY (Continued)

U003682236

Tank Materials: Other No
Tank Materials: Other Note Not reported

Release Detection:

Tank Release Detection: Leak Deferred No
Tank Release Detection: Manual Gauge No
Tank Release Detection: Auto Gauge No
Tank Release Detection: Tank Tightness No
Tank Release Detection: Vapor Monitor No
Tank Release Detection: Inventory No
Tank Release Detection: Stat Invent Recon No
Tank Release Detection: Spill Install No
Tank Release Detection: Overfill Install No
Tank Release Detection: Groundwater No
Tank Release Detection: Int Sec Containment No
Tank Release Detection: Int Double Walled No
Tank Release Detection: Other Method No
Tank Release Detection: Other Note Not reported
Pipe Release Detection: Leak Deferred Not reported
Pipe Release Detection: Autoleak Not reported
Pipe Release Detection: Line Tightness No
Pipe Release Detection: Stat Invent Recon No
Pipe Release Detection: Groundwater No
Pipe Release Detection: Int Sec Containment No
Pipe Release Det: Interior Double Walled No
Pipe Release Detection: Other Method No
Pipe Release Detection: Other Note Not reported

Pipe Type: UNKNOWN
Pipe Materials: Bare Steel Yes
Pipe Materials: Galvanized Steel No
Pipe Materials: Copper No
Pipe Materials: Fiberglass No
Pipe Materials: Cath Protect No
Pipe Materials: Double Walled No
Pipe Materials: Sec Containment No
Pipe Materials: Repaired No
Pipe Materials: Unknown No
Pipe Materials: Other No
Pipe Materials: Other Note Not reported

AST:

Facility ID: 3025227
Facility Type: COMMERCIAL
CEDs Facility ID: 200000093443

Tank Info:

Owner:

Owner Id: 35868
Owner Name: Virginia Theological Seminary
Owner Address: 3737 Seminary Rd
Owner Address2: Not reported
Owner City/State/Zip: Alexandria, VA 22304
Owner Type: PRIVATE
Number of Active AST: 0

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VIRGINIA THEOLOGICAL SEMINARY (Continued)

U003682236

Number of Active UST: 0
Number of Inactive AST: 1
Number of Inactive UST: 1

Fed Regulated: No
Tank Number: 1
Tank Type: AST
Tank Capacity: 2000
Tank Contents: GASOLINE
Tank Status: PERM OUT OF USE

Tank Containment:
Install Date: 5/28/1991
Containment: Curbing No
Containment: Weirs No
Containment: Sorbent No
Containment: Culvert No
Containment: Diversion No
Containment: Retention No
Containment: Dike Yes
Containment: Unknown No
Containment: Other No
Containment: Other Note Not reported

Release Detection:
Release Detection: Ground Water No
Release Detection: Visual Yes
Release Detection: Vapor No
Release Detection: Interstitial No
Release Detection: None No
Release Detection: Other No
Release Detection: Other Note Not reported
Release Prevention: Double Bottom No
Release Prevention: Double Walled Yes
Release Prevention: Lined Interior Not reported
Release Prevention: Poly Jacket No
Release Prevention: Exc Liner No
Release Prevention: None No
Release Prevention: Unknown No
Release Prevention: Other No
Release Prevention: Other Note Not reported

Tank Foundation: Steel No
Tank Foundation: Earthen No
Tank Foundation: Concrete Imp Yes
Tank Foundation: Unknown No
Tank Foundation: Other No
Tank Foundation: Other Note Not reported
Tank Roof: Float No
Tank Roof: Cone No
Tank Roof: Breather Not reported
Tank Roof: Dbldck Not reported
Tank Roof: Pontoon Not reported
Tank Roof: Balloon Not reported
Tank Roof: Lifter Not reported
Tank Roof: Pan Not reported
Tank Roof: Other No

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

VIRGINIA THEOLOGICAL SEMINARY (Continued)

U003682236

Tank Roof: Other Note Not reported

Tank Material:

Tank Materials: Bare Steel Yes
Tank Materials: Concrete Yes
Tank Materials: Insulated Tank Jacket No
Tank Materials: Unknown No
Tank Materials: Other No
Tank Materials: Other Note Not reported
Tank Type Cathodic/CP: N
Tank Type Single Wall: N
Tank Type Double Wall: N
Tank Type Lined Interior: N
Tank Type Double Bottom: N
Tank Type Potable/Skid: N
Tank Type Shop Fabricated/Built: N
Tank Type Vaulted Below Grade: N
Tank Type Vertical: N
Tank Type Horizontal: N
Tank Type Unknown: N
Tank Type Other: N
Tank Type Other Specify: N

33
West
1/4-1/2
0.460 mi.
2428 ft.

EPISCOPAL HIGH SCHOOL
1200 N QUAKER LN
ALEXANDRIA, VA 22302

LTANKS **U003698570**
UST **N/A**

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000078694
Case Status: Closed
Pollution Complaint #: 20003230
Reported: 01/14/2000

Actual:
265 ft.

Facility:
Facility Id: 3002234
Facility Type: COMMERCIAL
CEDS Facility ID: 200000078694
Owner:
Owner Id: 35944
Owner Name: EPISCOPAL HIGH SCHOOL
Owner Address: 1200 N. QUAKER LANE
Owner Address2: Not reported
Owner City, State, Zip: ALEXANDRIA, VA 22302
Owner Type: UNKNOWN
Number of Active AST: 0
Number of Active UST: 0
Number of Inactive AST: 0
Number of Inactive UST: 4

UST:
Facility ID: 3002234

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPISCOPAL HIGH SCHOOL (Continued)

U003698570

Federally Regulated:	Yes
Tank Number:	3
Tank Capacity:	2000
Tank Contents:	UNKNOWN
Tank Status:	CLS IN GRD
Tank Type:	UST
Tank Material:	
Install Date:	4/11/1951
Tank Materials: Bare Steel	No
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	Yes
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	UNKNOWN
Pipe Materials: Bare Steel	No
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPISCOPAL HIGH SCHOOL (Continued)

U003698570

Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	Yes
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3002234
Federally Regulated:	No
Tank Number:	G2
Tank Capacity:	10000
Tank Contents:	HEATING OIL
Tank Status:	CLS IN GRD
Tank Type:	UST
Tank Material:	
Install Date:	1/1/1951
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

EPISCOPAL HIGH SCHOOL (Continued)

U003698570

Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3002234
Federally Regulated:	No
Tank Number:	G4
Tank Capacity:	10000
Tank Contents:	HEATING OIL
Tank Status:	CLS IN GRD
Tank Type:	UST
Tank Material:	
Install Date:	1/1/1951
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No
Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPISCOPAL HIGH SCHOOL (Continued)

U003698570

Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported
Facility ID:	3002234
Federally Regulated:	Yes
Tank Number:	R1
Tank Capacity:	1000
Tank Contents:	GASOLINE
Tank Status:	REM FROM GRD
Tank Type:	UST
Tank Material:	
Install Date:	1/1/1960
Tank Materials: Bare Steel	Yes
Tank Materials: Cath Protect Steel	No
Tank Materials: Epoxy Steel	No
Tank Materials: Fiberglass	No
Tank Materials: Concrete	No
Tank Materials: Composite	No
Tank Materials: Double Walled	No
Tank Materials: Lined Interior	No
Tank Materials: Excav Liner	No
Tank Materials: Insulated Tank Jacket	No
Tank Materials: Repaired	No
Tank Materials: Unknown	No
Tank Materials: Other	No
Tank Materials: Other Note	Not reported
Release Detection:	
Tank Release Detection: Leak Deferred	No
Tank Release Detection: Manual Gauge	No
Tank Release Detection: Auto Gauge	No
Tank Release Detection: Tank Tightness	No
Tank Release Detection: Vapor Monitor	No
Tank Release Detection: Inventory	No
Tank Release Detection: Stat Invent Recon	No
Tank Release Detection: Spill Install	No

Map ID
 Direction
 Distance
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
 EPA ID Number

EPISCOPAL HIGH SCHOOL (Continued)

U003698570

Tank Release Detection: Overfill Install	No
Tank Release Detection: Groundwater	No
Tank Release Detection: Int Sec Containment	No
Tank Release Detection: Int Double Walled	No
Tank Release Detection: Other Method	No
Tank Release Detection: Other Note	Not reported
Pipe Release Detection: Leak Deferred	Not reported
Pipe Release Detection: Autoleak	Not reported
Pipe Release Detection: Line Tightness	No
Pipe Release Detection: Stat Invent Recon	No
Pipe Release Detection: Groundwater	No
Pipe Release Detection: Int Sec Containment	No
Pipe Release Det: Interior Double Walled	No
Pipe Release Detection: Other Method	No
Pipe Release Detection: Other Note	Not reported
Pipe Type:	NO VALVE: SUCTION
Pipe Materials: Bare Steel	Yes
Pipe Materials: Galvanized Steel	No
Pipe Materials: Copper	No
Pipe Materials: Fiberglass	No
Pipe Materials: Cath Protect	No
Pipe Materials: Double Walled	No
Pipe Materials: Sec Containment	No
Pipe Materials: Repaired	No
Pipe Materials: Unknown	No
Pipe Materials: Other	No
Pipe Materials: Other Note	Not reported

J34
 North
 1/4-1/2
 0.462 mi.
 2439 ft.

SUNOCO/FAIRLINGTON
1639 NORTH QUAKER LANE
ALEXANDRIA, VA 0

LUST S103457533
N/A

Site 1 of 2 in cluster J

Relative:
Lower

LUST REG NO:
 Region: NO
 Facility ID: 3024588
Status: Closed
 Tank Size: 0
 Product: Not reported
 Release Date: 03/27/1984
 Closed Date: 8/5/1994
 Case Type: Article 9
 Case Officer: Bill Von Till
 Pollution Complaint #: 84-0418
 Permit Number: 0
 Priority: -

Actual:
189 ft.

Region: NO
 Facility ID: 3024588
Status: Closed
 Tank Size: 0
 Product: Not reported
 Release Date: 06/27/1989
 Closed Date: 7/9/1996
 Case Type: Article 9

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO/FAIRLINGTON (Continued)

S103457533

Case Officer: Bill Von Till
Pollution Complaint #: 90-0024
Permit Number: 0
Priority: 3

J35
North
1/4-1/2
0.462 mi.
2439 ft.

SUNOCO SERVICE STATION
1639 QUAKER LANE
ALEXANDRIA, VA 22302

LTANKS **1000329858**
RCRA NonGen / NLR **VAD000760322**
FINDS
ECHO

Site 2 of 2 in cluster J

Relative:
Lower

LTANKS:
Region: NVRO
CEDS Facility Id: 200000193983
Case Status: Closed
Pollution Complaint #: 19900024
Reported: 06/27/1989

Actual:
189 ft.

Region: NVRO
CEDS Facility Id: 200000193983
Case Status: Closed
Pollution Complaint #: 19840418
Reported: 03/27/1984

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980
Facility name: Not reported
Facility address: 1639 QUAKER LANE
ALEXANDRIA, VA 22302
EPA ID: VAD000760322
Contact: DON GRAY
Contact address: 1639 QUAKER LANE
ALEXANDRIA, VA 22302
Contact country: US
Contact telephone: (301) 341-0100
Contact email: Not reported
EPA Region: Not reported
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPERNAME
Owner/operator address: OPERSTREET
OPERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Owner/operator name: SUN OIL COMPANY OF PENNSYLVANIA
Owner/operator address: OWNERSTREET
OWNERCITY, AK 99999
Owner/operator country: Not reported
Owner/operator telephone: (215) 555-1212
Legal status: Private

Map ID
Direction
Distance
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number
EPA ID Number

SUNOCO SERVICE STATION (Continued)

1000329858

Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No
Mixed waste (haz. and radioactive): No
Recycler of hazardous waste: No
Transporter of hazardous waste: No
Treater, storer or disposer of HW: No
Underground injection activity: No
On-site burner exemption: No
Furnace exemption: No
Used oil fuel burner: No
Used oil processor: No
User oil refiner: No
Used oil fuel marketer to burner: No
Used oil Specification marketer: No
Used oil transfer facility: No
Used oil transporter: No

Violation Status: No violations found

FINDS:

Registry ID: 110005217318

Environmental Interest/Information System

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of events and activities related to facilities that generate, transport, and treat, store, or dispose of hazardous waste. RCRAInfo allows RCRA program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

ECHO:

Envid: 1000329858
Registry ID: 110005217318
DFR URL: http://echo.epa.gov/detailed_facility_report?fid=110005217318

36
SSW
1/4-1/2
0.486 mi.
2567 ft.

TWINN ROGER PROPERTY
1420 KEY DR
ALEXANDRIA, VA 22302

LTANKS S111866160
N/A

Relative:
Higher

LTANKS:
Region: NVRO
CEDS Facility Id: 200000857159
Case Status: Closed
Pollution Complaint #: 20123161
Reported: 03/26/2012

Actual:
199 ft.

Count: 3 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ARLINGTON	S103820002	ARISTO VALET CLEANERS	LEESBURG PIKE PLAZA, BAILEY'S		VCP
ARLINGTON	S104406951	GEORGE WASHINGTON PARKWAY	T. ROOSEVELT BRIDGE & I-66	0	LUST
ARLINGTON	S103458890	GEORGE WASHINGTON PARKWAY	SPOUT RUN & KEY BRIDGE	0	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Number of Days to Update: Provides confirmation that EDR is reporting records that have been updated within 90 days from the date the government agency made the information available to the public.

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

NPL: National Priority List

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.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

NPL Site Boundaries

Sources:

EPA's Environmental Photographic Interpretation Center (EPIC)
Telephone: 202-564-7333

EPA Region 1
Telephone 617-918-1143

EPA Region 6
Telephone: 214-655-6659

EPA Region 3
Telephone 215-814-5418

EPA Region 7
Telephone: 913-551-7247

EPA Region 4
Telephone 404-562-8033

EPA Region 8
Telephone: 303-312-6774

EPA Region 5
Telephone 312-886-6686

EPA Region 9
Telephone: 415-947-4246

EPA Region 10
Telephone 206-553-8665

Proposed NPL: Proposed National Priority List Sites

A site that has been proposed for listing on the National Priorities List through the issuance of a proposed rule in the Federal Register. EPA then accepts public comments on the site, responds to the comments, and places on the NPL those sites that continue to meet the requirements for listing.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

NPL LIENS: Federal Superfund Liens

Federal Superfund Liens. Under the authority granted the USEPA by CERCLA of 1980, the USEPA has the authority to file liens against real property in order to recover remedial action expenditures or when the property owner received notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 08/15/2011
Number of Days to Update: 56	Next Scheduled EDR Contact: 11/28/2011
	Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal Delisted NPL site list

Delisted NPL: National Priority List Deletions

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.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: N/A
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/07/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

Federal CERCLIS list

FEDERAL FACILITY: Federal Facility Site Information listing

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.

Date of Government Version: 11/13/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/06/2016	Telephone: 703-603-8704
Date Made Active in Reports: 05/20/2016	Last EDR Contact: 07/06/2016
Number of Days to Update: 135	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

SEMS: Superfund Enterprise Management System

SEMS (Superfund Enterprise Management System) tracks hazardous waste sites, potentially hazardous waste sites, and remedial activities performed in support of EPA's Superfund Program across the United States. The list was formerly know as CERCLIS, renamed to SEMS by the EPA in 2015. The list contains data on potentially hazardous waste sites that have been reported to the USEPA by states, municipalities, private companies and private persons, pursuant to Section 103 of the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA). This dataset also contains sites which are either proposed to or on the National Priorities List (NPL) and the sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/22/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2016
	Data Release Frequency: Quarterly

Federal CERCLIS NFRAP site list

SEMS-ARCHIVE: Superfund Enterprise Management System Archive

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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.

Date of Government Version: 03/07/2016	Source: EPA
Date Data Arrived at EDR: 04/05/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/15/2016	Last EDR Contact: 07/22/2016
Number of Days to Update: 10	Next Scheduled EDR Contact: 10/31/2016
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/09/2015	Source: EPA
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-424-9346
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Quarterly

Federal RCRA non-CORRACTS TSD facilities list

RCRA-TSDF: RCRA - Treatment, Storage and Disposal

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.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

Federal RCRA generators list

RCRA-LQG: RCRA - Large Quantity Generators

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.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RCRA-SQG: RCRA - Small Quantity Generators

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). Small quantity generators (SQGs) generate between 100 kg and 1,000 kg of hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Quarterly

RCRA-CESQG: RCRA - Conditionally Exempt Small Quantity Generators

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). Conditionally exempt small quantity generators (CESQGs) generate less than 100 kg of hazardous waste, or less than 1 kg of acutely hazardous waste per month.

Date of Government Version: 12/09/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/02/2016	Telephone: 800-438-2474
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/30/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

Federal institutional controls / engineering controls registries

LUCIS: Land Use Control Information System

LUCIS contains records of land use control information pertaining to the former Navy Base Realignment and Closure properties.

Date of Government Version: 05/28/2015	Source: Department of the Navy
Date Data Arrived at EDR: 05/29/2015	Telephone: 843-820-7326
Date Made Active in Reports: 06/11/2015	Last EDR Contact: 08/12/2016
Number of Days to Update: 13	Next Scheduled EDR Contact: 11/28/2016
	Data Release Frequency: Varies

US ENG CONTROLS: Engineering Controls Sites List

A listing of sites with engineering controls in place. 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.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

US INST CONTROL: Sites with Institutional Controls

A listing of sites with institutional controls in place. Institutional controls include administrative measures, such as groundwater use restrictions, construction restrictions, property use restrictions, and post remediation care requirements intended to prevent exposure to contaminants remaining on site. Deed restrictions are generally required as part of the institutional controls.

Date of Government Version: 09/10/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/11/2015	Telephone: 703-603-0695
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 05/25/2016
Number of Days to Update: 53	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Federal ERNS list

ERNS: Emergency Response Notification System

Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 03/28/2016

Date Data Arrived at EDR: 03/30/2016

Date Made Active in Reports: 05/20/2016

Number of Days to Update: 51

Source: National Response Center, United States Coast Guard

Telephone: 202-267-2180

Last EDR Contact: 06/28/2016

Next Scheduled EDR Contact: 10/10/2016

Data Release Frequency: Annually

State- and tribal - equivalent CERCLIS

SHWS: This state does not maintain a SHWS list. See the Federal CERCLIS list and Federal NPL list.

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.

Date of Government Version: N/A

Date Data Arrived at EDR: N/A

Date Made Active in Reports: N/A

Number of Days to Update: N/A

Source: Department of Environmental Quality

Telephone: 804-698-4236

Last EDR Contact: 06/20/2016

Next Scheduled EDR Contact: 10/03/2016

Data Release Frequency: N/A

State and tribal landfill and/or solid waste disposal site lists

SWF/LF: Solid Waste Management Facilities

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.

Date of Government Version: 09/10/2015

Date Data Arrived at EDR: 09/11/2015

Date Made Active in Reports: 11/09/2015

Number of Days to Update: 59

Source: Department of Environmental Quality

Telephone: 804-698-4238

Last EDR Contact: 08/05/2016

Next Scheduled EDR Contact: 09/19/2016

Data Release Frequency: Quarterly

State and tribal leaking storage tank lists

LUST REG WC: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke; cities of Bedford, Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem.

Date of Government Version: 06/04/2015

Date Data Arrived at EDR: 06/05/2015

Date Made Active in Reports: 07/07/2015

Number of Days to Update: 32

Source: Department of Environmental Quality West Central Regional Office

Telephone: 540-562-6700

Last EDR Contact: 05/27/2016

Next Scheduled EDR Contact: 09/12/2016

Data Release Frequency: No Update Planned

LUST REG PD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greenville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland; cities of Colonial Heights, Emporia, Hopewell, Petersburg.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 12/02/2014
Date Data Arrived at EDR: 12/04/2014
Date Made Active in Reports: 01/16/2015
Number of Days to Update: 43

Source: Department of Environmental Quality Piedmont Regional Office
Telephone: 804-527-5020
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Quarterly

LUST REG NO: Leaking Underground Storage Tank Tracking Database

Leaking underground storage tank site locations. Includes: counties of Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Louisa, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford; cities of Alexandria, Fairfax, Falls Church, Fredericksburg, Manassas, Manassas Park.

Date of Government Version: 05/18/2004
Date Data Arrived at EDR: 05/22/2004
Date Made Active in Reports: 07/09/2004
Number of Days to Update: 48

Source: Department of Environmental Quality Northern Regional Office
Telephone: 703-583-3800
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

LUST REG SC: Leaking Underground Storage Tanks

Leaking underground storage tank site locations. Includes: counties of Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Pittsylvania, Prince Deward; cities of Danville, Lynchburg.

Date of Government Version: 09/06/2013
Date Data Arrived at EDR: 09/06/2013
Date Made Active in Reports: 09/17/2013
Number of Days to Update: 11

Source: Department of Environmental Quality, South Central Region
Telephone: 434-582-5120
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

LUST REG SW: Leaking Underground Storage Tank Database

Leaking underground storage tank site locations. Includes: counties of Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe; cities of Bristol, Galax, Norton.

Date of Government Version: 07/15/2013
Date Data Arrived at EDR: 07/18/2013
Date Made Active in Reports: 09/16/2013
Number of Days to Update: 60

Source: Department of Environmental Quality Southwest Regional Office
Telephone: 276-676-4800
Last EDR Contact: 07/11/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: No Update Planned

LUST REG TD: Leaking Underground Storage Tank Sites

Leaking underground storage tank site locations. Includes: counties of Accomack, Isle of Wight, James City, Northampton, Southampton, York; cities of Chesapeake, Franklin, Hampton, Newport News, Norfolk, Poquoson, Portsmouth, Suffolk, Virginia Beach, Williamsburg.

Date of Government Version: 06/30/2013
Date Data Arrived at EDR: 07/05/2013
Date Made Active in Reports: 09/16/2013
Number of Days to Update: 73

Source: Department of Environmental Quality Tidewater Regional Office
Telephone: trofoia@deq.vir
Last EDR Contact: 06/27/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Quarterly

LUST REG VA: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 12/06/2011
Date Data Arrived at EDR: 12/08/2011
Date Made Active in Reports: 01/16/2012
Number of Days to Update: 39

Source: Department of Environmental Quality Valley Regional Office
Telephone: 540-574-7800
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: No Update Planned

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R8: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Colorado, Montana, North Dakota, South Dakota, Utah and Wyoming.

Date of Government Version: 10/13/2015	Source: EPA Region 8
Date Data Arrived at EDR: 10/23/2015	Telephone: 303-312-6271
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 118	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 10/09/2015	Source: EPA Region 7
Date Data Arrived at EDR: 02/12/2016	Telephone: 913-551-7003
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 112	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R9: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Arizona, California, New Mexico and Nevada

Date of Government Version: 02/25/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3372
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN LUST R5: Leaking Underground Storage Tanks on Indian Land

Leaking underground storage tanks located on Indian Land in Michigan, Minnesota and Wisconsin.

Date of Government Version: 02/17/2016	Source: EPA, Region 5
Date Data Arrived at EDR: 04/27/2016	Telephone: 312-886-7439
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 12/11/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/19/2016	Telephone: 214-665-6597
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 105	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN LUST R4: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Florida, Mississippi and North Carolina.

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-8677
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 10/27/2015	Source: EPA Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

LTANKS: Leaking Petroleum Storage Tanks

Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 05/04/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/02/2016	Telephone: 804-698-4010
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 06/02/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Quarterly

State and tribal registered storage tank lists

FEMA UST: Underground Storage Tank Listing

A listing of all FEMA owned underground storage tanks.

Date of Government Version: 01/01/2010	Source: FEMA
Date Data Arrived at EDR: 02/16/2010	Telephone: 202-646-5797
Date Made Active in Reports: 04/12/2010	Last EDR Contact: 07/07/2016
Number of Days to Update: 55	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Varies

UST: Registered Petroleum Storage Tanks

Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 05/03/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/02/2016	Telephone: 804-698-4010
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 06/02/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Semi-Annually

AST: Registered Petroleum Storage Tanks

Registered Aboveground Storage Tanks.

Date of Government Version: 05/03/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/02/2016	Telephone: 804-698-4010
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 06/02/2016
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 12/03/2015	Source: EPA Region 6
Date Data Arrived at EDR: 02/04/2016	Telephone: 214-665-7591
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 120	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R7: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 7 (Iowa, Kansas, Missouri, Nebraska, and 9 Tribal Nations).

Date of Government Version: 09/23/2014	Source: EPA Region 7
Date Data Arrived at EDR: 11/25/2014	Telephone: 913-551-7003
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/27/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN UST R8: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 8 (Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming and 27 Tribal Nations).

Date of Government Version: 01/26/2016	Source: EPA Region 8
Date Data Arrived at EDR: 02/05/2016	Telephone: 303-312-6137
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 119	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 02/25/2016	Source: EPA Region 9
Date Data Arrived at EDR: 04/27/2016	Telephone: 415-972-3368
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN UST R10: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 10 (Alaska, Idaho, Oregon, Washington, and Tribal Nations).

Date of Government Version: 01/07/2016	Source: EPA Region 10
Date Data Arrived at EDR: 01/08/2016	Telephone: 206-553-2857
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 41	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Quarterly

INDIAN UST R5: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 5 (Michigan, Minnesota and Wisconsin and Tribal Nations).

Date of Government Version: 11/05/2015	Source: EPA Region 5
Date Data Arrived at EDR: 11/13/2015	Telephone: 312-886-6136
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/27/2016
Number of Days to Update: 52	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

INDIAN UST R1: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 1 (Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont and ten Tribal Nations).

Date of Government Version: 10/20/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 10/29/2015	Telephone: 617-918-1313
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 07/29/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN UST R4: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 4 (Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee and Tribal Nations)

Date of Government Version: 02/05/2016	Source: EPA Region 4
Date Data Arrived at EDR: 04/29/2016	Telephone: 404-562-9424
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 35	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Semi-Annually

State and tribal institutional control / engineering control registries

ENG CONTROLS: Engineering Controls Sites Listing

A listing of sites with Engineering Controls in place. 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.

Date of Government Version: 03/28/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/29/2016	Telephone: 804-698-4228
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 07/11/2016
Number of Days to Update: 107	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Quarterly

INST CONTROL: Voluntary Remediation Program Database

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 03/28/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/29/2016	Telephone: 804-698-4228
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 07/11/2016
Number of Days to Update: 107	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Quarterly

State and tribal voluntary cleanup sites

VRP: Voluntary Remediation Program

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 03/28/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/29/2016	Telephone: 804-698-4228
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 07/11/2016
Number of Days to Update: 107	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Quarterly

INDIAN VCP R1: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 1.

Date of Government Version: 07/27/2015	Source: EPA, Region 1
Date Data Arrived at EDR: 09/29/2015	Telephone: 617-918-1102
Date Made Active in Reports: 02/18/2016	Last EDR Contact: 07/01/2016
Number of Days to Update: 142	Next Scheduled EDR Contact: 10/10/2016
	Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 04/20/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 07/20/2009
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Site Specific Assessments

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

Date of Government Version: 04/12/2016
Date Data Arrived at EDR: 04/27/2016
Date Made Active in Reports: 07/14/2016
Number of Days to Update: 78

Source: Department of Environmental Quality
Telephone: 804-698-4207
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites

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.

Date of Government Version: 03/21/2016
Date Data Arrived at EDR: 03/22/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 113

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Semi-Annually

Local Lists of Landfill / Solid Waste Disposal Sites

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands

Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 08/05/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/20/2016
Next Scheduled EDR Contact: 10/07/2016
Data Release Frequency: No Update Planned

ODI: Open Dump Inventory

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 06/30/1985
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Local Lists of Hazardous waste / Contaminated Sites

US HIST CDL: National Clandestine Laboratory Register

A listing of clandestine drug lab locations that have been removed from the DEAs National Clandestine Laboratory Register.

Date of Government Version: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 06/13/2016
Data Release Frequency: No Update Planned

US CDL: Clandestine Drug Labs

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

Date of Government Version: 05/04/2016
Date Data Arrived at EDR: 06/03/2016
Date Made Active in Reports: 07/13/2016
Number of Days to Update: 40

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 05/31/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Quarterly

Local Land Records

LIENS 2: CERCLA Lien Information

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 02/18/2014
Date Data Arrived at EDR: 03/18/2014
Date Made Active in Reports: 04/24/2014
Number of Days to Update: 37

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

Records of Emergency Release Reports

HMIRS: Hazardous Materials Information Reporting System

Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 06/24/2015
Date Data Arrived at EDR: 06/26/2015
Date Made Active in Reports: 09/02/2015
Number of Days to Update: 68

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 06/28/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2009
Date Data Arrived at EDR: 10/29/2009
Date Made Active in Reports: 12/03/2009
Number of Days to Update: 35

Source: Department of Environmental Quality, Piedmont Region
Telephone: 804-527-5020
Last EDR Contact: 02/06/2012
Next Scheduled EDR Contact: 05/21/2012
Data Release Frequency: Quarterly

SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/23/2009
Date Data Arrived at EDR: 09/29/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 31

Source: Department of Environmental Quality, Northern Region
Telephone: 703-583-3864
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

SPILLS PC: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

Date of Government Version: 06/01/1996
Date Data Arrived at EDR: 10/22/1996
Date Made Active in Reports: 11/21/1996
Number of Days to Update: 30

Source: Department of Environmental Quality
Telephone: 804-698-4287
Last EDR Contact: 03/08/2010
Next Scheduled EDR Contact: 06/21/2010
Data Release Frequency: No Update Planned

SPILLS: Prep/Spills Database Listing

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment. PREP staff often work to assist local emergency responders, other state agencies, federal agencies, and responsible parties, as may be needed, to manage pollution incidents. Oil spills, fish kills, and hazardous materials spills are examples of incidents that may involve the DEQ's PREP Program.

Date of Government Version: 05/03/2016
Date Data Arrived at EDR: 06/02/2016
Date Made Active in Reports: 07/14/2016
Number of Days to Update: 42

Source: Department of Environmental Quality
Telephone: 804-698-4287
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

SPILLS TD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/17/2009
Date Data Arrived at EDR: 09/23/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 13

Source: Department of Environmental Quality, Tidewater Region
Telephone: trofoia@deq.vir
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: Quarterly

SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 08/08/2012
Date Data Arrived at EDR: 08/09/2012
Date Made Active in Reports: 10/05/2012
Number of Days to Update: 57

Source: Department of Environmental Quality, Valley Regional Office
Telephone: 540-574-7800
Last EDR Contact: 05/06/2013
Next Scheduled EDR Contact: 08/19/2013
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

SPILLS WC: Prep Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/21/2009
Date Data Arrived at EDR: 09/29/2009
Date Made Active in Reports: 10/30/2009
Number of Days to Update: 31

Source: Department of Environmental Quality, West Central Region
Telephone: 540-562-6700
Last EDR Contact: 09/06/2011
Next Scheduled EDR Contact: 12/19/2011
Data Release Frequency: No Update Planned

SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 01/21/2010
Date Data Arrived at EDR: 01/22/2010
Date Made Active in Reports: 02/16/2010
Number of Days to Update: 25

Source: Department of Environmental Quality, Southwest Region
Telephone: 276-676-4839
Last EDR Contact: 07/13/2012
Next Scheduled EDR Contact: 10/29/2012
Data Release Frequency: No Update Planned

SPILLS BRL: Prep/Spills Database Listing

A listing of spills locations located in the Blue Ridge Regional area, Lynchburg.

Date of Government Version: 09/18/2009
Date Data Arrived at EDR: 09/18/2009
Date Made Active in Reports: 10/06/2009
Number of Days to Update: 18

Source: DEQ, Blue Ridge Regional Office
Telephone: 434-582-6218
Last EDR Contact: 11/28/2011
Next Scheduled EDR Contact: 03/12/2012
Data Release Frequency: Varies

SPILLS 90: SPILLS90 data from FirstSearch

Spills 90 includes those spill and release records available exclusively from FirstSearch databases. Typically, they may include chemical, oil and/or hazardous substance spills recorded after 1990. Duplicate records that are already included in EDR incident and release records are not included in Spills 90.

Date of Government Version: 09/01/2012
Date Data Arrived at EDR: 01/03/2013
Date Made Active in Reports: 02/15/2013
Number of Days to Update: 43

Source: FirstSearch
Telephone: N/A
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

Other Ascertainable Records

RCRA NonGen / NLR: RCRA - Non Generators / No Longer Regulated

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.

Date of Government Version: 12/09/2015
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 800-438-2474
Last EDR Contact: 06/30/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Varies

FUDS: Formerly Used Defense Sites

The listing includes locations of Formerly Used Defense Sites properties where the US Army Corps of Engineers is actively working or will take necessary cleanup actions.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 01/31/2015
Date Data Arrived at EDR: 07/08/2015
Date Made Active in Reports: 10/13/2015
Number of Days to Update: 97

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

DOD: Department of Defense Sites

This data set consists of federally owned or administered lands, administered by the Department of Defense, that have any area equal to or greater than 640 acres of the United States, Puerto Rico, and the U.S. Virgin Islands.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Semi-Annually

FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: N/A

SCRD DRYCLEANERS: State Coalition for Remediation of Drycleaners Listing

The State Coalition for Remediation of Drycleaners was established in 1998, with support from the U.S. EPA Office of Superfund Remediation and Technology Innovation. It is comprised of representatives of states with established drycleaner remediation programs. Currently the member states are Alabama, Connecticut, Florida, Illinois, Kansas, Minnesota, Missouri, North Carolina, Oregon, South Carolina, Tennessee, Texas, and Wisconsin.

Date of Government Version: 03/07/2011
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 08/15/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Varies

US FIN ASSUR: Financial Assurance Information

All owners and operators of facilities that treat, store, or dispose of hazardous waste are required to provide proof that they will have sufficient funds to pay for the clean up, closure, and post-closure care of their facilities.

Date of Government Version: 09/01/2015
Date Data Arrived at EDR: 09/03/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: Quarterly

EPA WATCH LIST: EPA WATCH LIST

EPA maintains a "Watch List" to facilitate dialogue between EPA, state and local environmental agencies on enforcement matters relating to facilities with alleged violations identified as either significant or high priority. Being on the Watch List does not mean that the facility has actually violated the law only that an investigation by EPA or a state or local environmental agency has led those organizations to allege that an unproven violation has in fact occurred. Being on the Watch List does not represent a higher level of concern regarding the alleged violations that were detected, but instead indicates cases requiring additional dialogue between EPA, state and local agencies - primarily because of the length of time the alleged violation has gone unaddressed or unresolved.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/30/2013
Date Data Arrived at EDR: 03/21/2014
Date Made Active in Reports: 06/17/2014
Number of Days to Update: 88

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 08/08/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 04/22/2013
Date Data Arrived at EDR: 03/03/2015
Date Made Active in Reports: 03/09/2015
Number of Days to Update: 6

Source: Environmental Protection Agency
Telephone: 703-308-4044
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Varies

TSCA: Toxic Substances Control Act

Toxic Substances Control Act. TSCA identifies manufacturers and importers of chemical substances included on the TSCA Chemical Substance Inventory list. It includes data on the production volume of these substances by plant site.

Date of Government Version: 12/31/2012
Date Data Arrived at EDR: 01/15/2015
Date Made Active in Reports: 01/29/2015
Number of Days to Update: 14

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 06/24/2016
Next Scheduled EDR Contact: 10/03/2016
Data Release Frequency: Every 4 Years

TRIS: Toxic Chemical Release Inventory System

Toxic Release Inventory System. TRIS identifies facilities which release toxic chemicals to the air, water and land in reportable quantities under SARA Title III Section 313.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 11/24/2015
Date Made Active in Reports: 04/05/2016
Number of Days to Update: 133

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 05/24/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Annually

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 07/25/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Annually

ROD: Records Of Decision

Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid in the cleanup.

Date of Government Version: 11/25/2013
Date Data Arrived at EDR: 12/12/2013
Date Made Active in Reports: 02/24/2014
Number of Days to Update: 74

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 06/07/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 08/01/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/26/2015	Telephone: 202-564-8600
Date Made Active in Reports: 11/03/2015	Last EDR Contact: 07/25/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/07/2016
	Data Release Frequency: Varies

RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 10/25/2013	Source: EPA
Date Data Arrived at EDR: 10/17/2014	Telephone: 202-564-6023
Date Made Active in Reports: 10/20/2014	Last EDR Contact: 08/12/2016
Number of Days to Update: 3	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Quarterly

PADS: PCB Activity Database System

PCB Activity Database. PADS Identifies generators, transporters, commercial storers and/or brokers and disposers of PCB's who are required to notify the EPA of such activities.

Date of Government Version: 07/01/2014	Source: EPA
Date Data Arrived at EDR: 10/15/2014	Telephone: 202-566-0500
Date Made Active in Reports: 11/17/2014	Last EDR Contact: 07/15/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Annually

ICIS: Integrated Compliance Information System

The Integrated Compliance Information System (ICIS) supports the information needs of the national enforcement and compliance program as well as the unique needs of the National Pollutant Discharge Elimination System (NPDES) program.

Date of Government Version: 01/23/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/06/2015	Telephone: 202-564-5088
Date Made Active in Reports: 03/09/2015	Last EDR Contact: 07/07/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

FTTS: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

FTTS tracks administrative cases and pesticide enforcement actions and compliance activities related to FIFRA, TSCA and EPCRA (Emergency Planning and Community Right-to-Know Act). To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

FTTS INSP: FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

A listing of FIFRA/TSCA Tracking System (FTTS) inspections and enforcements.

Date of Government Version: 04/09/2009
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 08/17/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Quarterly

MLTS: Material Licensing Tracking System

MLTS is maintained by the Nuclear Regulatory Commission and contains a list of approximately 8,100 sites which possess or use radioactive materials and which are subject to NRC licensing requirements. To maintain currency, EDR contacts the Agency on a quarterly basis.

Date of Government Version: 03/07/2016
Date Data Arrived at EDR: 03/18/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 28

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 09/05/2016
Next Scheduled EDR Contact: 11/21/2016
Data Release Frequency: Quarterly

COAL ASH DOE: Steam-Electric Plant Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 06/09/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

COAL ASH EPA: Coal Combustion Residues Surface Impoundments List

A listing of coal combustion residues surface impoundments with high hazard potential ratings.

Date of Government Version: 07/01/2014
Date Data Arrived at EDR: 09/10/2014
Date Made Active in Reports: 10/20/2014
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 06/10/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 07/29/2016
Next Scheduled EDR Contact: 11/07/2016
Data Release Frequency: Varies

RADINFO: Radiation Information Database

The Radiation Information Database (RADINFO) contains information about facilities that are regulated by U.S. Environmental Protection Agency (EPA) regulations for radiation and radioactivity.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/07/2015
Date Data Arrived at EDR: 07/09/2015
Date Made Active in Reports: 09/16/2015
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 07/07/2016
Next Scheduled EDR Contact: 10/17/2016
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transportation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 08/02/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Varies

CONSENT: Superfund (CERCLA) Consent Decrees

Major legal settlements that establish responsibility and standards for cleanup at NPL (Superfund) sites. Released periodically by United States District Courts after settlement by parties to litigation matters.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 04/17/2015
Date Made Active in Reports: 06/02/2015
Number of Days to Update: 46

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 07/15/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Varies

BRS: Biennial Reporting System

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 02/24/2015
Date Made Active in Reports: 09/30/2015
Number of Days to Update: 218

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 05/27/2016
Next Scheduled EDR Contact: 09/05/2016
Data Release Frequency: Biennially

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

INDIAN RESERV: Indian Reservations

This map layer portrays Indian administered lands of the United States that have any area equal to or greater than 640 acres.

Date of Government Version: 12/31/2005	Source: USGS
Date Data Arrived at EDR: 12/08/2006	Telephone: 202-208-3710
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 07/15/2016
Number of Days to Update: 34	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Semi-Annually

FUSRAP: Formerly Utilized Sites Remedial Action Program

DOE established the Formerly Utilized Sites Remedial Action Program (FUSRAP) in 1974 to remediate sites where radioactive contamination remained from Manhattan Project and early U.S. Atomic Energy Commission (AEC) operations.

Date of Government Version: 03/11/2016	Source: Department of Energy
Date Data Arrived at EDR: 03/15/2016	Telephone: 202-586-3559
Date Made Active in Reports: 06/03/2016	Last EDR Contact: 07/26/2016
Number of Days to Update: 80	Next Scheduled EDR Contact: 11/21/2016
	Data Release Frequency: Varies

UMTRA: Uranium Mill Tailings Sites

Uranium ore was mined by private companies for federal government use in national defense programs. When the mills shut down, large piles of the sand-like material (mill tailings) remain after uranium has been extracted from the ore. Levels of human exposure to radioactive materials from the piles are low; however, in some cases tailings were used as construction materials before the potential health hazards of the tailings were recognized.

Date of Government Version: 09/14/2010	Source: Department of Energy
Date Data Arrived at EDR: 10/07/2011	Telephone: 505-845-0011
Date Made Active in Reports: 03/01/2012	Last EDR Contact: 08/23/2016
Number of Days to Update: 146	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Varies

LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 11/25/2014	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/26/2014	Telephone: 703-603-8787
Date Made Active in Reports: 01/29/2015	Last EDR Contact: 07/08/2016
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/17/2016
	Data Release Frequency: Varies

LEAD SMELTER 2: Lead Smelter Sites

A list of several hundred sites in the U.S. where secondary lead smelting was done from 1931 and 1964. These sites may pose a threat to public health through ingestion or inhalation of contaminated soil or dust

Date of Government Version: 04/05/2001	Source: American Journal of Public Health
Date Data Arrived at EDR: 10/27/2010	Telephone: 703-305-6451
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 12/02/2009
Number of Days to Update: 36	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

US AIRS (AFS): Aerometric Information Retrieval System Facility Subsystem (AFS)

The database is a sub-system of Aerometric Information Retrieval System (AIRS). AFS contains compliance data on air pollution point sources regulated by the U.S. EPA and/or state and local air regulatory agencies. This information comes from source reports by various stationary sources of air pollution, such as electric power plants, steel mills, factories, and universities, and provides information about the air pollutants they produce. Action, air program, air program pollutant, and general level plant data. It is used to track emissions and compliance data from industrial plants.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data A listing of minor source facilities.

Date of Government Version: 10/20/2015
Date Data Arrived at EDR: 10/27/2015
Date Made Active in Reports: 01/04/2016
Number of Days to Update: 69

Source: EPA
Telephone: 202-564-2496
Last EDR Contact: 06/22/2016
Next Scheduled EDR Contact: 10/10/2016
Data Release Frequency: Annually

US MINES: Mines Master Index File

Contains all mine identification numbers issued for mines active or opened since 1971. The data also includes violation information.

Date of Government Version: 02/09/2016
Date Data Arrived at EDR: 03/02/2016
Date Made Active in Reports: 04/15/2016
Number of Days to Update: 44

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 06/02/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Semi-Annually

US MINES 2: Ferrous and Nonferrous Metal Mines Database Listing

This map layer includes ferrous (ferrous metal mines are facilities that extract ferrous metals, such as iron ore or molybdenum) and nonferrous (Nonferrous metal mines are facilities that extract nonferrous metals, such as gold, silver, copper, zinc, and lead) metal mines in the United States.

Date of Government Version: 12/05/2005
Date Data Arrived at EDR: 02/29/2008
Date Made Active in Reports: 04/18/2008
Number of Days to Update: 49

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

US MINES 3: Active Mines & Mineral Plants Database Listing

Active Mines and Mineral Processing Plant operations for commodities monitored by the Minerals Information Team of the USGS.

Date of Government Version: 04/14/2011
Date Data Arrived at EDR: 06/08/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 97

Source: USGS
Telephone: 703-648-7709
Last EDR Contact: 06/03/2016
Next Scheduled EDR Contact: 09/12/2016
Data Release Frequency: Varies

FINDS: Facility Index System/Facility Registry System

Facility Index System. FINDS contains both facility information and 'pointers' to other sources that contain more detail. EDR includes the following FINDS databases in this report: PCS (Permit Compliance System), AIRS (Aerometric Information Retrieval System), DOCKET (Enforcement Docket used to manage and track information on civil judicial enforcement cases for all environmental statutes), FURS (Federal Underground Injection Control), C-DOCKET (Criminal Docket System used to track criminal enforcement actions for all environmental statutes), FFIS (Federal Facilities Information System), STATE (State Environmental Laws and Statutes), and PADS (PCB Activity Data System).

Date of Government Version: 07/20/2015
Date Data Arrived at EDR: 09/09/2015
Date Made Active in Reports: 11/03/2015
Number of Days to Update: 55

Source: EPA
Telephone: (215) 814-5000
Last EDR Contact: 06/08/2016
Next Scheduled EDR Contact: 09/19/2016
Data Release Frequency: Quarterly

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

UXO: Unexploded Ordnance Sites

A listing of unexploded ordnance site locations

Date of Government Version: 10/25/2015	Source: Department of Defense
Date Data Arrived at EDR: 01/29/2016	Telephone: 571-373-0407
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 67	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Varies

DOCKET HWC: Hazardous Waste Compliance Docket Listing

A complete list of the Federal Agency Hazardous Waste Compliance Docket Facilities.

Date of Government Version: 03/01/2016	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/03/2016	Telephone: 202-564-0527
Date Made Active in Reports: 04/05/2016	Last EDR Contact: 08/24/2016
Number of Days to Update: 33	Next Scheduled EDR Contact: 12/12/2016
	Data Release Frequency: Varies

AIRS: Permitted Airs Facility List

A listing of permitted Airs facilities.

Date of Government Version: 06/03/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 06/07/2016	Telephone: 804-698-4000
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 05/31/2016
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/12/2016
	Data Release Frequency: Varies

CEDS: Comprehensive Environmental Data System

Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 03/10/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 03/11/2016	Telephone: 804-698-4077
Date Made Active in Reports: 05/06/2016	Last EDR Contact: 06/06/2016
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Semi-Annually

COAL ASH: Coal Ash Disposal Sites

A listing of facilities with coal ash impoundments.

Date of Government Version: 07/29/2009	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/31/2009	Telephone: 804-698-4285
Date Made Active in Reports: 08/21/2009	Last EDR Contact: 06/06/2016
Number of Days to Update: 21	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 12/31/2014	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/10/2015	Telephone: 804-698-4407
Date Made Active in Reports: 02/04/2016	Last EDR Contact: 07/11/2016
Number of Days to Update: 56	Next Scheduled EDR Contact: 10/24/2016
	Data Release Frequency: Varies

ENFORCEMENT: Enforcement Actions Data

A listing of enforcement actions.

Date of Government Version: 03/22/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 04/05/2016	Telephone: 804-698-4031
Date Made Active in Reports: 05/06/2016	Last EDR Contact: 06/20/2016
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/19/2016
	Data Release Frequency: Varies

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Financial Assurance 1: Financial Assurance Information Listing

A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 04/28/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/03/2016	Telephone: 804-698-4205
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 08/01/2016
Number of Days to Update: 72	Next Scheduled EDR Contact: 11/14/2016
	Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information listing

Solid waste financial assurance information.

Date of Government Version: 04/28/2016	Source: Department of Environmental Quality
Date Data Arrived at EDR: 05/10/2016	Telephone: 804-698-4123
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 08/15/2016
Number of Days to Update: 65	Next Scheduled EDR Contact: 11/14/2016
	Data Release Frequency: Varies

TIER 2: Tier 2 Information Listing

A listing of facilities which store or manufacture hazardous materials and submit a chemical inventory report.

Date of Government Version: 12/31/2013	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/01/2015	Telephone: 804-698-4159
Date Made Active in Reports: 11/16/2015	Last EDR Contact: 07/22/2016
Number of Days to Update: 76	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Annually

UIC: Underground Injection Control Wells

A listing of underground injection controls wells.

Date of Government Version: 05/03/2016	Source: Department of Mines, Minerals and Energy
Date Data Arrived at EDR: 05/06/2016	Telephone: 276-415-9700
Date Made Active in Reports: 07/14/2016	Last EDR Contact: 08/03/2016
Number of Days to Update: 69	Next Scheduled EDR Contact: 11/14/2016
	Data Release Frequency: Varies

ECHO: Enforcement & Compliance History Information

ECHO provides integrated compliance and enforcement information for about 800,000 regulated facilities nationwide.

Date of Government Version: 09/20/2015	Source: Environmental Protection Agency
Date Data Arrived at EDR: 09/23/2015	Telephone: 202-564-2280
Date Made Active in Reports: 01/04/2016	Last EDR Contact: 06/22/2016
Number of Days to Update: 103	Next Scheduled EDR Contact: 10/03/2016
	Data Release Frequency: Quarterly

FUELS PROGRAM: EPA Fuels Program Registered Listing

This listing includes facilities that are registered under the Part 80 (Code of Federal Regulations) EPA Fuels Programs. All companies now are required to submit new and updated registrations.

Date of Government Version: 05/24/2016	Source: EPA
Date Data Arrived at EDR: 05/25/2016	Telephone: 800-385-6164
Date Made Active in Reports: 07/13/2016	Last EDR Contact: 08/23/2016
Number of Days to Update: 49	Next Scheduled EDR Contact: 12/05/2016
	Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

EDR MGP: EDR Proprietary Manufactured Gas Plants

The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data

Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 07/30/2013
Date Data Arrived at EDR: 08/19/2013
Date Made Active in Reports: 10/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 08/10/2016
Next Scheduled EDR Contact: 11/28/2016
Data Release Frequency: No Update Planned

NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 07/17/2015
Date Made Active in Reports: 08/12/2015
Number of Days to Update: 26

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 07/11/2016
Next Scheduled EDR Contact: 10/24/2016
Data Release Frequency: Annually

NY MANIFEST: Facility and Manifest Data

Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

Date of Government Version: 05/01/2016
Date Data Arrived at EDR: 05/06/2016
Date Made Active in Reports: 06/17/2016
Number of Days to Update: 42

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 08/03/2016
Next Scheduled EDR Contact: 11/14/2016
Data Release Frequency: Annually

PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2014
Date Data Arrived at EDR: 07/24/2015
Date Made Active in Reports: 08/18/2015
Number of Days to Update: 25

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 07/18/2016
Next Scheduled EDR Contact: 10/31/2016
Data Release Frequency: Annually

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2013
Date Data Arrived at EDR: 06/19/2015
Date Made Active in Reports: 07/15/2015
Number of Days to Update: 26

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 08/22/2016
Next Scheduled EDR Contact: 12/05/2016
Data Release Frequency: Annually

WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2015
Date Data Arrived at EDR: 04/14/2016
Date Made Active in Reports: 06/03/2016
Number of Days to Update: 50

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 06/13/2016
Next Scheduled EDR Contact: 09/26/2016
Data Release Frequency: Annually

Oil/Gas Pipelines

Source: PennWell Corporation

Petroleum Bundle (Crude Oil, Refined Products, Petrochemicals, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)) N = Natural Gas Bundle (Natural Gas, Gas Liquids (LPG/NGL), and Specialty Gases (Miscellaneous)). This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Electric Power Transmission Line Data

Source: PennWell Corporation

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Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Daycare Centers: Licensed Facilities
Source: Department of Social Services
Telephone: 804-692-1900

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

Current USGS 7.5 Minute Topographic Map
Source: U.S. Geological Survey

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

TC WILLIAMS
3330 KING STREET
ALEXANDRIA, VA 22302

TARGET PROPERTY COORDINATES

Latitude (North):	38.824665 - 38° 49' 28.79"
Longitude (West):	77.085878 - 77° 5' 9.16"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	318922.0
UTM Y (Meters):	4299179.0
Elevation:	192 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	5950781 ALEXANDRIA, VA
Version Date:	2013

EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

Assessment of the impact of contaminant migration generally has two principal investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

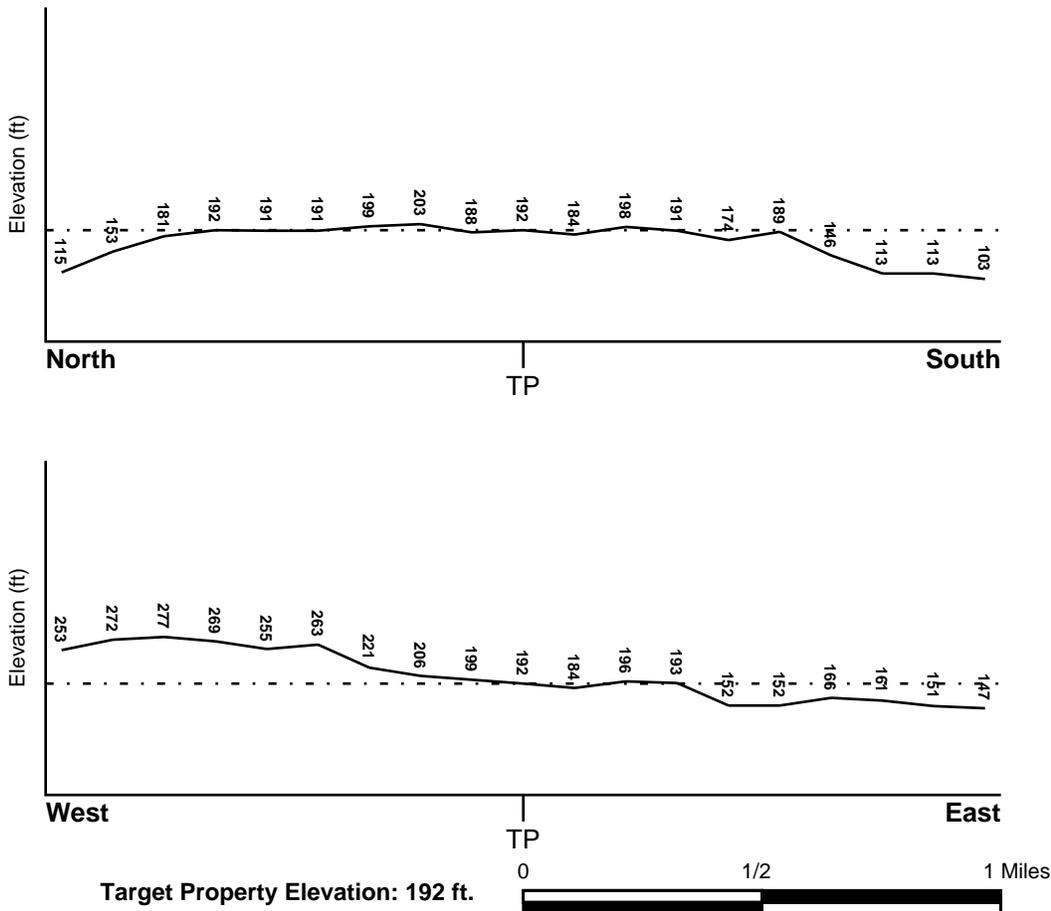
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> ALEXANDRIA CITY, VA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	5155190005D - FEMA Q3 Flood data
Additional Panels in search area:	Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ALEXANDRIA	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data*:
 Search Radius: 1.25 miles
 Status: Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

* ©1996 Site-specific hydrogeological data gathered by CERCLIS Alerts, Inc., Bainbridge Island, WA. All rights reserved. All of the information and opinions presented are those of the cited EPA report(s), which were completed under a Comprehensive Environmental Response Compensation and Liability Information System (CERCLIS) investigation.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Mesozoic
System: Cretaceous
Series: Lower Cretaceous
Code: IK (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: DUMFRIES

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
2	10 inches	29 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
3	29 inches	35 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
4	35 inches	72 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam

Surficial Soil Types: loam

Shallow Soil Types: loam
clay loam

Deeper Soil Types: stratified
sandy loam

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40001205778	1/2 - 1 Mile SSW
2	USGS40001205757	1/2 - 1 Mile SSW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

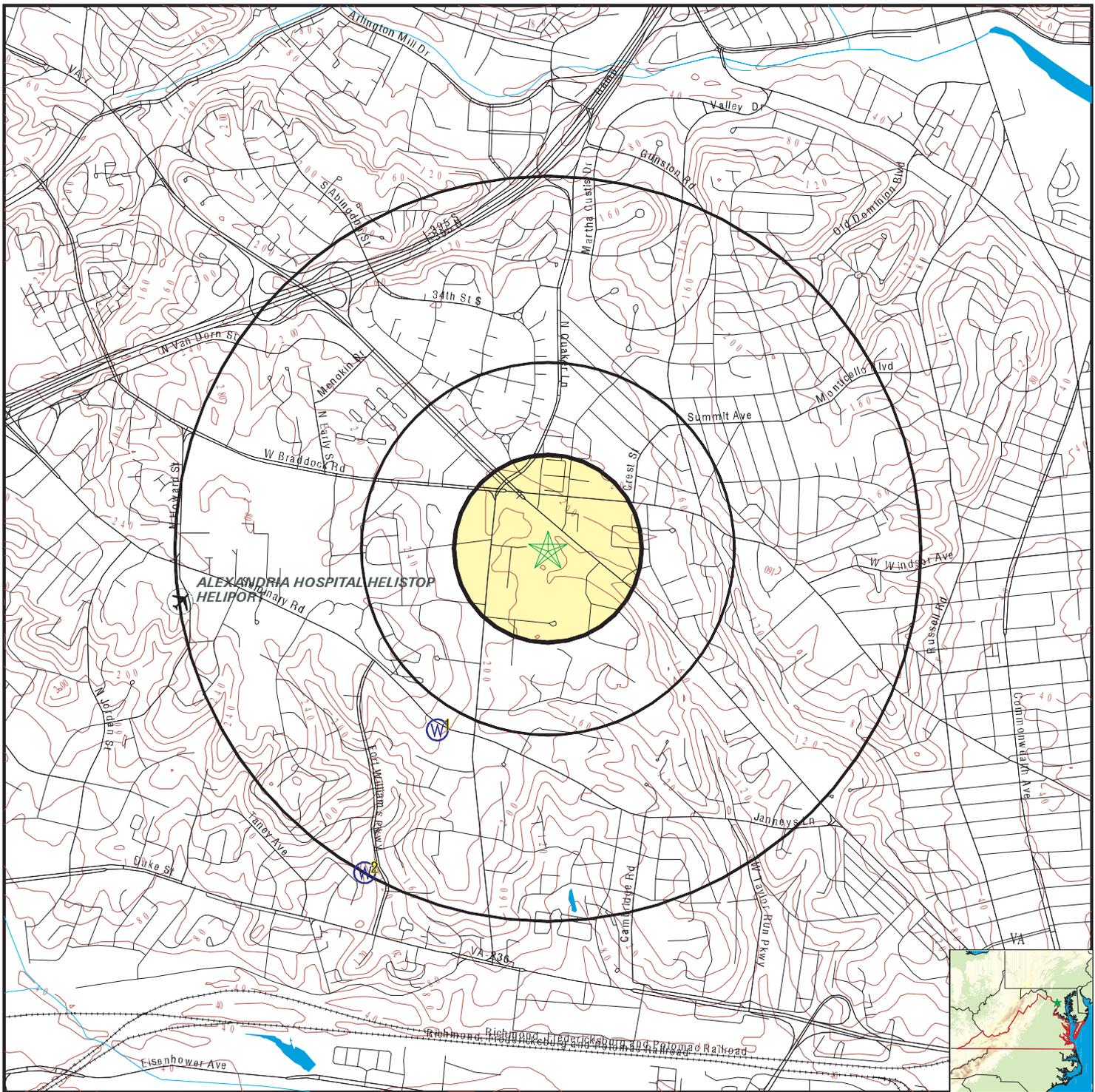
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 04712750.2r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



SITE NAME: TC Williams
 ADDRESS: 3330 King Street
 Alexandria VA 22302
 LAT/LONG: 38.824665 / 77.085878

CLIENT: Froehling & Robertson, Inc.
 CONTACT: Megghan Oksanen
 INQUIRY #: 04712750.2r
 DATE: August 29, 2016 10:52 am

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SSW
1/2 - 1 Mile
Higher

FED USGS USGS40001205778

Org. Identifier:	USGS-VA		
Formal name:	USGS Virginia Water Science Center		
Monloc Identifier:	USGS-384903077053001		
Monloc name:	54U 34D		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02070010	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.8176131
Longitude:	-77.0913672	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	240.00
Vert measure units:	feet	Vertacc measure val:	120
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		
Aquifer type:	Not Reported		
Construction date:	Not Reported		
Welldepth units:	ft	Welldepth:	271
Wellholedepth units:	ft	Wellholedepth:	280

Ground-water levels, Number of Measurements: 1

	Feet below	Feet to
Date	Surface	Sealevel

1962-08-14	187.56	

2
SSW
1/2 - 1 Mile
Lower

FED USGS USGS40001205757

Org. Identifier:	USGS-VA		
Formal name:	USGS Virginia Water Science Center		
Monloc Identifier:	USGS-384843077054301		
Monloc name:	54U 50D		
Monloc type:	Well		
Monloc desc:	Not Reported		
Huc code:	02070010	Drainagearea value:	Not Reported
Drainagearea Units:	Not Reported	Contrib drainagearea:	Not Reported
Contrib drainagearea units:	Not Reported	Latitude:	38.8120576
Longitude:	-77.0949784	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Interpolated from map		
Horiz coord refsys:	NAD83	Vert measure val:	120.00
Vert measure units:	feet	Vertacc measure val:	05
Vert accmeasure units:	feet		
Vertcollection method:	Interpolated from topographic map		
Vert coord refsys:	NGVD29	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Aquifer type:	Not Reported	Welldepth:	50
Construction date:	Not Reported	Wellholedepth:	Not Reported
Welldepth units:	ft		
Wellholedepth units:	Not Reported		

Ground-water levels, Number of Measurements: 136

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1968-12-30	45.40		1968-11-27	45.35	
1968-10-30	45.41		1968-09-25	45.32	
1968-08-26	45.31		1968-07-29	45.33	
1968-06-28	45.05		1968-05-29	45.15	
1968-04-29	45.07		1968-03-25	45.19	
1968-02-26	45.23		1968-01-29	45.22	
1967-12-26	45.34		1967-11-27	45.40	
1967-10-26	45.52		1967-09-26	45.41	
1967-08-30	45.17		1967-07-26	45.21	
1967-06-26	45.17		1967-06-01	45.12	
1967-04-28	45.15		1967-03-31	45.01	
1967-02-27	45.00		1967-01-31	45.12	
1966-12-30	45.16		1966-12-01	45.28	
1966-11-01	45.37		1966-10-03	45.47	
1966-08-31	45.78		1966-08-01	45.64	
1966-06-01	45.45		1966-05-04	45.28	
1966-04-01	45.26		1965-12-29	45.52	
1965-12-01	45.52		1965-11-01	45.60	
1965-09-30	45.57		1965-08-31	45.48	
1965-07-30	45.51		1965-06-29	45.39	
1965-06-01	45.37		1965-04-30	45.20	
1965-03-30	45.19		1965-03-01	45.41	
1965-02-04	45.45		1964-12-30	45.32	
1964-11-30	45.40		1964-10-29	45.42	
1964-10-01	45.40		1964-09-02	45.46	
1964-07-31	45.38		1964-06-29	45.22	
1964-06-02	45.07		1964-05-01	44.80	
1964-04-02	44.93		1964-02-28	44.79	
1964-02-03	45.30		1963-12-30	45.55	
1963-12-02	45.36		1963-10-31	45.54	
1963-10-02	45.45		1963-08-30	45.50	
1963-07-31	45.57		1963-06-28	45.40	
1963-05-29	45.32		1963-05-01	45.35	
1963-03-29	45.20		1963-03-01	45.23	
1963-02-01	45.33		1963-01-03	45.32	
1962-11-30	45.32		1962-10-31	45.32	
1962-10-02	45.36		1962-08-31	45.36	
1962-07-31	45.20		1962-06-29	45.13	
1962-05-31	45.03		1962-04-30	44.30	
1962-03-30	44.89		1962-02-27	44.60	
1962-01-31	45.30		1961-12-29	45.24	
1961-11-30	45.27		1961-10-30	45.14	
1961-10-02	45.23		1961-09-01	45.17	
1961-07-30	45.22		1961-06-29	45.20	
1961-05-31	45.08		1961-05-01	44.92	
1961-03-31	44.84		1961-02-28	45.46	
1961-02-09	45.40		1960-12-28	45.38	
1960-12-01	45.51		1960-11-02	45.44	
1960-09-30	45.49		1960-08-30	45.49	
1960-08-01	45.44		1960-06-30	45.39	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-05-31	45.05		1960-05-03	45.27	
1960-03-31	45.02		1960-03-01	45.34	
1960-02-01	45.33		1959-12-31	45.56	
1959-11-30	45.54		1959-11-04	45.62	
1959-09-30	45.56		1959-09-01	45.54	
1959-07-31	45.38		1959-07-02	45.37	
1959-06-01	45.35		1959-04-30	45.37	
1959-04-01	45.36		1959-02-26	45.46	
1959-02-01	45.60		1958-12-30	45.57	
1958-12-02	45.58		1958-10-30	45.60	
1958-09-30	45.57		1958-09-02	45.52	
1958-07-31	45.45		1958-07-01	45.42	
1958-06-02	45.24		1958-04-30	44.37	
1958-04-01	44.54		1958-02-28	44.62	
1958-01-31	45.34		1957-12-30	45.53	
1957-11-29	45.77		1957-11-01	45.50	
1957-09-30	45.73		1957-08-30	45.76	
1957-07-31	45.64		1957-07-01	45.64	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 22302

Number of sites tested: 441.

Maximum Radon Level: 20.1 pCi/L.

Minimum Radon Level: 0.1 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
408 (92.52%)	26 (5.90%)	5 (1.13%)	2 (0.45%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for ALEXANDRIA CITY County: 3

- 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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

Current USGS 7.5 Minute Topographic Map

Source: U.S. Geological Survey

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 2003 & 2011 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002, 2005 and 2010 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Service (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Service, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

LOCAL / REGIONAL WATER AGENCY RECORDS

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

STATE RECORDS

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs

Telephone: 804-786-1756

OTHER STATE DATABASE INFORMATION

Virginia Oil and Gas Wells

Source: Department of Mines, Minerals and Energy

Telephone: 804-692-3200

A listing of oil and gas well locations

RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

Earthquake Fault Lines: The fault lines displayed on EDR's Topographic map are digitized quaternary faultlines, prepared in 1975 by the United State Geological Survey

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STREET AND ADDRESS INFORMATION

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Appendix F: Supporting Documents



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY

James S. Gilmore, III
Governor

John Paul Woodley, Jr.
Secretary of Natural Resources

Northern Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193-1453
(703) 583-3800 fax (703) 583-3801
<http://www.deq.state.va.us>

Dennis H. Treacy
Director

Gregory L. Clayton
Regional Director

November 3, 1998

Mr. Dale Frock
Alexandria City Public Schools
2000 N. Beauregard Street
Alexandria, VA 22311

RE: **PC#99-3002; CASE CLOSED**
T.C. Williams High School, 3330 King Street, Alexandria, VA 22302

Dear Mr. Frock:

Following a review of the referenced file and based upon the information you have submitted regarding current site conditions, the Department of Environmental Quality (DEQ) has determined that contamination levels at this site do not represent an identified risk to human health and the environment. Therefore, this case is closed. No further corrective action is required by you related to this release.

Please be advised, however, that should further environmental problems occur, which the DEQ determines are related to this release, the DEQ reserves the right pursuant to Virginia Law and Regulations to require additional investigation and/or corrective action.

Although no further corrective action is required related to this release, the following items may need to be addressed:

- ▶ Any groundwater monitoring wells installed as a result of this release must be properly closed in accordance with Section 5.6.3.6 and Appendix W of the DEQ Storage Tank Program Technical Manual.

Page Two

PC#99-3002

T.C. Williams High School, 3330 King Street, Alexandria, VA 22302

- ▶ Any removed, closed-in-place, existing or new regulated underground storage tank (UST) must be registered with the DEQ. A UST Notification form (Form 7530-1) must be completed and sent to the DEQ Central Office in Richmond, Virginia. Completion of this form is not required if your tank(s) is currently registered and the registration is up-to-date. Certain types of tanks, such as tanks which contain heating oil that is used to heat the premises where the tank is located and tanks with a capacity of 1100 gallons or less which contain motor fuel for noncommercial purposes, are not required to be registered.

If you are eligible for and plan to seek reimbursement from the Virginia Petroleum Storage Tank Fund, you have **two years** from the date of this letter to apply for reimbursement. This includes reimbursement for costs to properly abandon monitoring wells.

If you have any questions or need additional information, please feel free to contact Ron C. Linton at (703) 583-3814.

Sincerely,



Cynthia A. Sale
Environmental Administrator
Remediation

caseclos.frm

cc: File
Chron
ECC, Inc.



Environmental Consultants and Contractors, Inc.



43045 John Mosby Highway
Chantilly, Virginia 20152
(703) 327-2900
(800) ECC-FIRST

September 10, 1998

Mr. Dale Frock
Alexandria City Public Schools
2000 North Beauregard Street
Alexandria, Virginia 22311

RECEIVED
SEP 16 1998

Re: Underground Storage Tank Closure Report
T.C. Williams School
3330 King Street
Alexandria, Virginia
ECC Project 98-3456
VDEQ Case #99-3002

Northern VA. Region
Dept. of Env. Quality

Dear Mr. Frock:

As authorized, Environmental Consultants and Contractors (ECC), Incorporated, is pleased to provide this summary of environmental activities associated with the excavation and removal of one steel underground storage tank (UST) at the above referenced property.

As understood, a 30,000 gallon heating oil underground storage tank was removed in 1991 without proper soil sampling and closure documentation. The purpose of this investigation was to properly document removal of the UST in accordance with Local, State, and Federal regulations. Services managed or performed by ECC included drilling of two soil borings to a depth of 20 feet; submittal of soil samples for laboratory analysis of Total Petroleum Hydrocarbons (TPH) by EPA Method 8015B; and preparation of a UST Closure Report in accordance with Local, State, and Federal regulations.

One 30,000-gallon heating oil UST was excavated and removed from the site in April 1991. The UST was located beneath a concrete walkway, approximately 56 feet west of the school building. The former location of the UST is shown in Figure 1.

Prior to the removal of the UST, a total of 10,202 gallons of petroleum product and water was removed from the UST and excavation pit by Tri County Industries, a licensed waste handler. Additionally, 397.34 tons of contaminated soil was removed from the site by EnviroTech Mid-Atlantic.

ECC performed soil borings in the former UST location on June 19, 1998. The drilling was performed by Connelly and Associates, a licensed well driller located in Bethesda, Maryland. The location of the soil borings are shown on Figure 1.

During drilling, soil samples were collected at 5.0 feet depth intervals from the surface to the termination depth utilizing a decontaminated, split spoon sampler and placed in clean plastic. Each sample was initially screened utilizing a Photo-Ionization Detector (PID, MiniRAE Plus model PGM-76IS) to detect volatile organic vapors. The upper 12-14 feet of the soil profile consisted of fill material placed in the excavation following the removal of the UST. ECC personnel collected two soil samples from beneath the former UST location and the observed fill materials; one soil sample from each boring was sent to the laboratory for analysis. All equipment which contacted the borings was decontaminated prior to drilling and between individual borings. Logs of the soil borings are enclosed as Attachment A.

The samples collected from the tank excavation were submitted for analysis of Total Petroleum Hydrocarbons (TPH, EPA 8015B). A summary of the laboratory results is presented in Table 1 and the locations of the samples are shown on Figure 1. A copy of the laboratory analytical results for the soil samples is enclosed as Attachment B.

TABLE 1: SUMMARY OF SOIL SAMPLE RESULTS

Sample Identification	Sample Location	Result (ppm or mg/kg)
TCW.SB1	South-West End of Tank Site	82 TPH-DRO
TCW.SB2	North-East End of Tank Site	110 TPH-DRO
TPH-DRO: Total Petroleum Hydrocarbons-Diesel Range Organics		

Based on the laboratory analytical results and observations at the site, a release of petroleum hydrocarbons, as defined by the Virginia Department of Environmental Quality (VDEQ), has occurred on the property. The Northern Regional Office of the Virginia Department of Environmental Quality located in Woodbridge, Virginia was formally notified of the release, in writing, on July 1, 1998. A copy of ECC's letter to the VDEQ confirming the petroleum release is provided as Attachment C. In response to ECC's letter, VDEQ responded on July 1, 1998 indicating the responsibilities for environmental corrective action, including provision of this UST Closure Report to the Northern Virginia Regional Office. A copy of the VDEQ response is also included in Attachment C.

In accordance with Commonwealth of Virginia Regulation VR 680-13-02: *Underground Storage Tanks; Technical Standards and Corrective Action Requirements, Part VII: Out-of-Service UST*

September 10, 1998
UST Closure Report
T.C. Williams School
3330 King Street
Alexandria, Virginia
Page 3

Systems and Closure; any change in service of a UST system, including permanent closure and removal, must be reported promptly to the VDEQ. A copy of the required VDEQ Form 7530-1 (7/94), *Notification for Underground Storage Tanks*, is enclosed in Attachment D. As requested, ECC has also provided a copy of this Report to the Northern Regional VDEQ office. ECC recommends that a copy of all correspondence concerning the subject UST be archived for future reference.

Limitations

In conducting this investigation, our professional opinions and judgments have been made based upon the information gathered, our experience in the area with similar projects, and in accordance with generally accepted professional environmental practice under similar circumstances. The information presented is based upon the presumption that existing site conditions do not deviate appreciably from those observed and described during the performance of this investigation. Site conditions described are representative of conditions at the specified location and on the specific dates on which they were observed. The passage of time may result in changing conditions at the site. All operations conducted on site, including soil sampling, sample preservation, chain-of-custody, quality assurance, and decontamination, were conducted in accordance with U.S. Environmental Protection Agency, Region III, guidelines.

ECC would like to thank you for the opportunity to have provided these services. Should you or the designated users of this report have any questions or comments regarding the information contained herein, please contact this office at 703-327-2900.

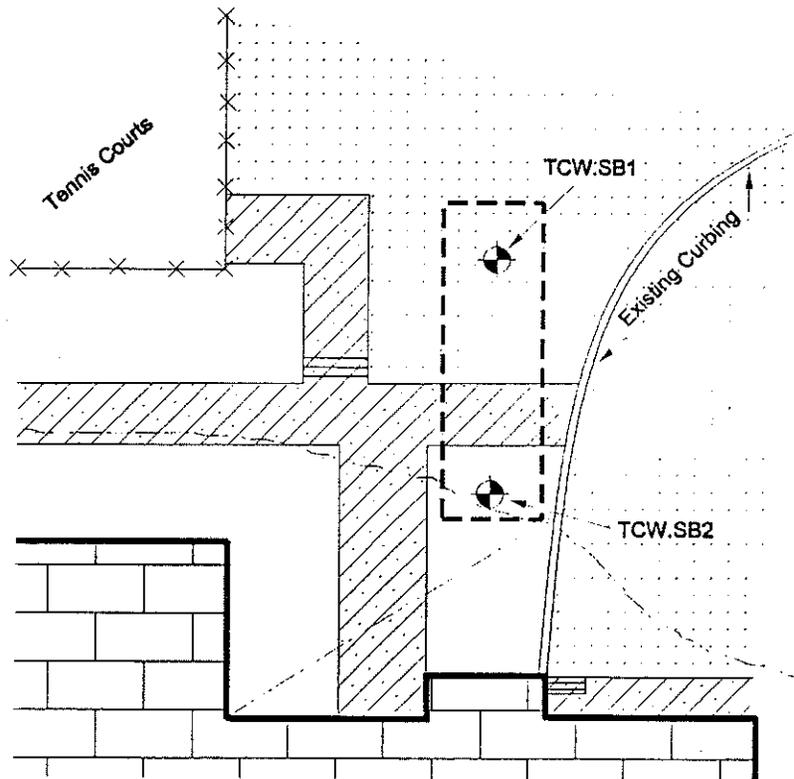
Sincerely,
for ECC, Inc.,



Thomas R. VanBlaricom
President

cc: Mr. Ron Linton, VDEQ, Northern Regional Office

Drawing Not To Scale



LEGEND:

-  Soil Boring Location
-  Location of Former UST
-  Concrete Walk
-  Asphalt Paving
-  Fence
-  Existing Structure
-  Underground Utility Line

Underground Storage Tank Closure

T.C. Williams School
Arlington County Schools, Arlington, Virginia

Environmental Consultants and Contractors, Inc.

Drawn by: AES

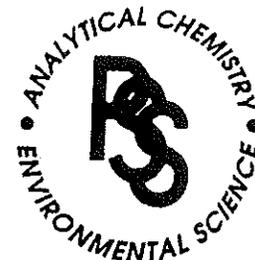
ECC Project No. 98-3456

Approved by:

July 30, 1998

OFFICES:
6630 BALTIMORE NATIONAL PIKE
ROUTE 40 WEST
BALTIMORE, MARYLAND 21228
410-747-8770
800-932-9047
FAX 410-788-8723

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS

No. 98062213 Page 1 of 1

ECC, Inc.

June 29, 1998

JUL 06 1998

Project: T.C. Williams School
Site Location: N/A
Project Number: 3456
Matrix: Soil
Date Sampled: 6/19/98 ✓
Date Received: 6/22/98

	Result	Unit	Method	PQL	Prepared	Analyzed
Sample ID: TCW.SB1						
Total Petroleum Hydrocarbons						
Diesel Range Organics	* 82	mg/kg	EPA 8015B	10	6/25/98	6/26/98
Sample ID: TCW.SB2						
Total Petroleum Hydrocarbons						
Diesel Range Organics	* 110	mg/kg	EPA 8015B	10	6/25/98	6/26/98

Notes/Comments:

PQL - Practical Quantitation Limit

* - heavier fuel oil pattern observed in sample

Reviewed By:

Quality Assurance Chemist

Initial Abatement Measures and Site Characterization Report

For the

T.C. Williams High School
3330 King Street
Alexandria, Virginia

DEQ PC# 2005-3085
TRIAD Project No. 07-04-0505

Prepared for:

Mr. Mark Burke, Director
Planning and Construction
Alexandria City Public Schools
2000 N. Beauregard Street
Alexandria, Virginia 22311
Telephone: (703) 824-6107
Facsimile: (703) 824-0382

Issued: January 27, 2005



David C. Duncan, CPG
Environmental Geologist



Prepared by:

Triad Engineering, Inc.
210 N. 21st Street, Suite A
Purcellville, Virginia 20132
Telephone (540) 338-8150
Facsimile (540) 338-8147

RECEIVED

JAN 28 2005

Northern Va Region
Dept. of Env. Quality

**Initial Abatement Measures and
Site Characterization Report**

**T.C. Williams High School
3330 King Street
Alexandria, Virginia**

**DEQ PC# 2005-3085
Triad Project No. 07-04-0505**

**Prepared For
Mr. Mark Burke, Director
Planning and Construction
Alexandria City Public Schools
2000 N. Beauregard Street
Alexandria, Virginia 22311**

**Submitted To
Mr. Mark Miller
Virginia Department of Environmental Quality
13901 Crown Court
Woodbridge, Virginia 22193-1453**

**Prepared By
Triad Engineering, Inc.
210 North 21st Street, Suite A
Purcellville, Virginia 20132**

January 27, 2005

Event	Date	Initials
Code: RSCR	1/28/05	BHT
Scanned		
QC		

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APPENDICES

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Appendix B	- VDEQ Correspondence
Appendix C	- Soil Disposal Manifests
Appendix D	- Laboratory Analytical Results
Appendix E	- Soil Boring/Monitoring Well Logs
Appendix F	- Quantitative Risk Assessment Calculations

1.0 INTRODUCTION

This report presents the results of initial abatement measures and a petroleum hydrocarbon contamination site characterization study conducted by Triad Engineering, Inc. (TRIAD) at the T.C. Williams High School located at 3330 King Street in Alexandria, Virginia. The subject property is identified on site vicinity, 3-dimensional (3-D) topographic, and local vicinity maps included as Plates A-1, A-2, and A-3, respectively. A generalized site plan is included as Plate A-4.

The initial abatement measures and site characterization report (IAM & SCR) was developed in response to a written request by the Commonwealth of Virginia Department of Environmental Quality (VDEQ), dated October 1, 2004, which was required after petroleum contamination was detected in soil samples that were collected from the tank pit basin following the closure of an underground storage tank (UST).

The purpose of this study was to identify and characterize the on-site petroleum hydrocarbon contamination, determine potential migration pathways and risks, and formulate an IAM & SCR in general accordance with guidelines established by the VDEQ. After review, the VDEQ will make a decision as to whether a corrective action plan (CAP) or further investigations will be required for the site based upon the results of the findings discussed in this IAM & SCR.

2.0 PROJECT BACKGROUND

Apex Environmental, Inc. closed a 200-gallon diesel Underground Storage Tank at the subject in September 2004. The activities and results of the UST closure are documented in a report prepared by Apex dated September 29, 2004. A copy of the Apex UST closure report is included in Appendix A.

The subject UST was utilized to store diesel fuel for a site generator. The former UST was located immediately adjacent to the northeast portion of the school building. The UST closure was initiated because the existing school building is scheduled for demolition, and a new school building is scheduled for construction on-site in the area of the former UST.

UST closure activity included: the removal of 14 gallons of product from the UST; excavation, transport, and off-site disposal of the UST; the collection of two (2) soil samples from the base of the UST excavation; and backfill of the UST pit with the material unearthed during excavation and clean fill. According to the UST closure report, the UST was noted as in poor condition, and soil staining and petroleum odors were noted in the excavation. Excavation of the apparently contaminated soil was not completed because of extensive utilities in the vicinity of the UST.

The soil samples collected from the UST basin were analyzed for: Total Petroleum Hydrocarbons (TPH) modified for Diesel Range Organics (DRO) and Gasoline Range Organics (GRO) via EPA method 8015B; Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), and Methyl-t-butyl-ether (MTBE) via EPA method 8021B. The soil sample results, as presented in Table 1, verified the suspected petroleum contamination in the site soil.

TABLE 1 – ADSORBED-PHASE ANALYTICAL RESULTS
Tank Pit Basin (9/13/04)

Sample ID	Sample Date	TPH (DRO) (mg/Kg)	TPH (GRO) (mg/Kg)	MTBE (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethyl-benzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)
14839	9/13/04	34,000	7,000	<0.600	<0.600	8.6	17	120	145.6
14840	9/13/04	31,000	5,100	<0.620	<0.620	6.2	10	87	103.2
VDEQ Release Reporting Requirements*	NA	100	100	NA	NA	NA	NA	NA	NA
VDEQ-VRP Tier II Screening Concentration**	NA	NA	NA	0.009***	0.0493***	23.9	33.7	60.1	NA

NA = Not Applicable

* Virginia Department of Environmental Quality (VDEQ) release reporting requirement for Underground Storage Tanks (USTs).

** Virginia Department of Environmental Quality (VDEQ) Voluntary Remediation Program (VRP) Tier II screening concentration for unrestricted-use sites.

*** The laboratory reporting limit for MTBE and Benzene is greater than the VDEQ VRP Tier II screening concentration for unrestricted-use sites.

The petroleum release was reported to the VDEQ. In a letter dated October 1, 2004, the VDEQ confirmed the release, assigned the case pollution complaint number (PC#2005-3085), and requested the completion of initial abatement measures and site characterization activities and reports. A copy of the VDEQ correspondence is included in Appendix B. This report serves as the Initial Abatement Measures and Site Characterization Report for the subject site, and details: the excavation, transport and off-site disposal of petroleum-contaminated soil; subsurface soil sampling; the installation of three (3) monitoring wells; groundwater sampling; a quantitative risk assessment; and a remediation assessment.

2.1 Review of VDEQ PC#99-3002

TRIAD additionally completed a review of documents associated with VDEQ PC#99-3002. VDEQ PC#99-3002 was assigned to the T.C. Williams High School in association with a 30,000-gallon heating oil UST that was closed via removal from the western portion of the site in 1991. The UST closure apparently included the disposal of 397.34 tons of contaminated soil; however, adequate sampling and documentation was not completed at the time of UST closure. As such, Environmental Consultants and Contractors (ECC) completed two (2) soil borings in the vicinity of the former UST in June 1998. A grab soil sample was collected from each boring with TPH (DRO) results of 82 mg/Kg and 110 mg/Kg. The release was reported to the VDEQ, and PC#99-3002 was assigned the case; however, the case was closed in November 1998 due to the apparently limited risk posed

by the minor concentrations detected in the soil samples. The limited petroleum concentrations detected in association with VDEQ PC#99-3002 have likely had no impact to the area currently under investigation because of the minor detected concentrations and the significant horizontal distance (i.e., approximately 1,000 feet) between the subject areas.

3.0 INITIAL ABATEMENT MEASURES

On December 13, 2004 TRIAD personnel mobilized to the subject site to initiate initial abatement measures. A backhoe was utilized to excavate 37.30 tons of petroleum-impacted soil from the vicinity of the former 200-gallon UST. The contaminated soil was transported to Clean Earth of Maryland for disposal. Soil disposal manifests are included in Appendix C.

During excavation activity, a limited amount of free product appeared to weep into the tank pit over-excavation from the area immediately adjacent to the school building; however, weeping was minor and appeared to cease upon completion of excavation activity. The resulting excavation was approximately 35 feet long, 5 feet wide, and 5 feet deep. The depth of excavation was constrained due to a hard cobble layer at approximately 5 feet below grade.

TRIAD personnel collected grab soil samples OE-1 and OE-2 from the northern and southern portions of the excavation base, respectively. The samples were field-screened with a Photo-Ionization Detector (PID), and subsequently sent to an independent laboratory for TPH (DRO), TPH (GRO), BTEX, MTBE, and Naphthalene analysis. Soil sample results are included in Appendix D, and presented herein in Table 2. Upon completion of excavation and sampling activity, the basin was backfilled with 57 stone.

**TABLE 2 – ADSORBED-PHASE ANALYTICAL RESULTS
Tank Pit Over-Excavation (12/13/2004)**

Sample ID	Sample Date	PID Result (ppm)	TPH (DRO) (mg/Kg)	TPH (GRO) (mg/Kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)
07-04-0505 OE1	12/13/04	1	1,300	6.1	<0.030	2.6	<0.030	<0.030	<0.030	0.086	0.086
07-04-0505 OE2	12/13/04	20	310	5.6	<0.029	2.6	<0.029	<0.029	0.066	0.13	0.196
VDEQ Release Reporting Requirements*	NA	NA	100	100	NA	NA	NA	NA	NA	NA	NA
VDEQ-VRP Tier II Screening Concentration**	NA	NA	NA	NA	0.009***	0.138	0.0493	23.9	33.7	60.1	NA

NA = Not Applicable

ppm = parts per million

* Virginia Department of Environmental Quality (VDEQ) release reporting requirement for Underground Storage Tanks (USTs).

** Virginia Department of Environmental Quality (VDEQ) Voluntary Remediation Program (VRP) Tier II screening concentration for unrestricted-use sites.

*** The laboratory reporting limit (RLimit) for MTBE is greater than the VDEQ VRP Tier II screening concentration for unrestricted-use sites.

The soil samples collected from the base of the tank pit over-excavation contained TPH (DRO) greater than the VDEQ release reporting requirement, and Naphthalene greater than the VDEQ VRP Tier II screening concentrations for unrestricted-use sites. The TPH (GRO) detected in the soil samples was below the VDEQ release reporting requirement, and the Ethylbenzene and Xylene detected in the samples were below the VDEQ VRP Tier II screening concentrations for unrestricted-use sites. MTBE was not detected in the soil samples at a concentration greater than the laboratory reporting limit (RLimit); however the RLimit was greater than the VDEQ VRP Tier II MTBE screening concentration for unrestricted-use sites.

4.0 SITE ASSESSMENT

4.1 Site Description

The T.C. Williams High School is an approximate 28-acre property located at 3330 King Street in Alexandria, Virginia. The site has served as a school since approximately 1965. Prior to school construction, the site was utilized for residential purposes, consisting primarily of low-income, dilapidated houses. The site is currently in the initial stages of a large-scale renovation, to include the complete demolition of existing school structures and the development of an entirely new school building and parking garage. The new school building will be located in the area directly over the subject UST.

The site is situated in an urban location with the properties in the immediate area comprised of mixed-use development. Residential properties exist south and west of the site, as well as across King Street to the north of the site. The Chinquapin Recreation Center is located east of the site, and commercial properties are located northwest of the site near the intersection of King Street, Braddock Road, and Quaker Lane.

4.2 Geology and Soils

The site is located within the Coastal Plain Geomorphic Province of Virginia. According to the Geologic Map of Virginia, Virginia Division of Mineral Resources, 1993, scale 1:500,000, the project site is underlain by the pebbly, poorly sorted quartzofeldspathic sand interbedded with sandy clay and silt; and minor organic-rich clay and silt of the Potomac Formation. However, significant amounts of fill material were apparently placed at the site during the initial school construction. A sandy, clayey silt backfill was encountered during site borings to depths approximately 17 to 25 feet below grade. Hard pebble and cobble layers were noted in a portion of the borings and in the tank pit over-excavation. Residual sand interbedded with fine silt layers were noted beneath the fill material.

TRIAD performed a slug test (rising head test) on monitoring well MW-2 on December 22, 2004. TRIAD analyzed the slug test data using AQTESOLV groundwater modeling software (developed by Geraghty and Miller, Inc.) utilizing the Bouwer-Rice method. The Bouwer-Rice method is an accepted method for determining hydraulic conductivity of unconfined aquifers with partially penetrating wells (Water Resources Research, Vol. 12, No. 3, pp. 423-428). The head in the well was decreased by manually bailing 5 gallons from the well with a disposable bailer over a duration of approximately 10 minutes. Time and head measurements were then obtained while the well re-stabilized. The hydraulic conductivity was determined from the Bouwer-Rice graphical method to be 2.09×10^{-4} ft/min at the location of well MW-2.

The approximate velocity of advective groundwater flow beneath the site can be calculated using a modified form of the Darcy velocity or specific discharge equation, known as the average linear velocity ($V = Ki/ne$).

where: V = average linear velocity of groundwater in ft/year
 K = hydraulic conductivity of the aquifer in ft/year
 i = hydraulic gradient in ft/ft
 ne = estimated effective porosity 0.20
(assumed based on site characteristics)

Then, $V = \{(2.09 \times 10^{-4} \text{ ft/min}) \times (525,600 \text{ min/year}) \times (0.023)\} / (0.2)$
 $V = 12.6$ feet per year

The estimated rate of groundwater flow is approximately 12.6 feet/year toward the east. It should be mentioned that the calculated groundwater flow velocity is based on a hydraulic conductivity value obtained from a slug test, rather than a pumping test, at a single well location (MW-2). The above estimation of groundwater flow velocity assumes uniform gradients and ignores the effects of aquifer heterogeneity and anisotropy.

5.0 CONTAMINATION ASSESSMENT

5.1 Description of the Contaminants

Results of the laboratory analyses performed on the soil samples for this investigation indicate that the petroleum hydrocarbon contamination encountered is composed primarily of diesel range organics with limited Naphthalene and gasoline range organics.

Diesel range organics are intermediate distillates, which are composed primarily of semi-volatile components (polynuclear aromatics) with lesser amounts of aromatic compounds. These distillates have fairly high partition coefficients and as a result exhibit a relatively high affinity to soil. In addition, the solubility and volatility of the intermediate distillates is low in comparison to the light distillates and thereby, are less affected by

natural biodegradation which allow these intermediate distillates to be more persistent within the environment.

Gasoline is a light distillate hydrocarbon fuel which is a highly complex mixture containing upwards of thousands of different components and additives. Gasoline is composed predominantly of aliphatic compounds such as pentane and butane and aromatic compounds such as benzene, toluene, ethyl benzene and xylene (BTEX). The BTEX fraction in gasoline can range in excess of 15% by volume with benzene alone accounting for 1 to 3%. The BTEX chemicals possess high vapor pressures which will aid in their volatilization, thereby diminishing their concentration within the soil with time. Additionally, biodegradation of the BTEX chemicals does occur naturally, but the rate is dependent upon the soil type and pH, temperature and oxygen/nutrient supply.

5.2 Contamination Phases

In performing this site characterization study, the extent of the contamination plume was assessed by evaluating the four (4) phases of petroleum hydrocarbon contamination which include; free, adsorbed, dissolved, and vapor phases.

5.2.1 Free-Phase

During excavation activity, a limited amount of free product appeared to weep into the tank pit over-excavation from the area immediately adjacent to the school building; however, weeping was minor and appeared to cease upon completion of excavation activity. Measurable free product was not encountered in any of the groundwater monitoring wells.

5.2.2 Adsorbed-Phase

As discussed in Section 3.0 of this report, initial abatement measures completed at the site on December 13, 2004 included the excavation, transport, and disposal of 37.30 tons of contaminated soil from the area of the former UST. The resulting excavation was approximately 35 feet long, 5 feet wide, and 5 feet deep. TRIAD personnel collected two (2) soil samples from the base of the over-excavation. Grab soil samples OE-1 and OE-2 were collected from the northern and southern portions of the excavation base, respectively. The samples were sent to an independent laboratory for TPH (DRO), TPH (GRO), BTEX, MTBE, and Naphthalene analysis. Soil sample results are included in Appendix D, and presented in Table 4.

Additional adsorbed-phase contaminant investigation was conducted on December 15 and 16, 2004 during the installation of three (3) soil borings/groundwater monitoring wells (MW-1, MW-2, and MW-3) in the vicinity of the former UST. Soil borings/monitoring wells were installed using a truck-mounted hollow stem auger drilling rig. Soil boring/monitoring well locations were based upon the former UST location, site property

boundaries, site utility locations, drill-rig access, potential environmental receptors, anticipated groundwater flow direction, and areas of expected contaminant concentrations. Soil boring/monitoring well locations are depicted on the Generalized Site Plan, Plate A-4. Soil boring logs were completed by a TRIAD geologist and are included along with well construction data in Appendix E.

A split-spoon sampler was utilized to collect soil samples at approximate 2.5-foot depth intervals during soil boring completion. The soil samples were field-screened with a Photo-Ionization Detector (PID) in order to detect evidence of hydrocarbon concentrations. PID results are documented on the well logs located in Appendix E. The soil sample from each well that yielded the highest PID reading, or the sampled interval nearest the top of the zone of saturation, was submitted to an independent laboratory for TPH (DRO), TPH (GRO), BTEX, MTBE, and Naphthalene analysis. Soil sample results are included in Appendix D, and presented in Table 4.

**TABLE 4 – ADSORBED-PHASE ANALYTICAL RESULTS
(Site)**

Sample ID	Sample Location	Sample Date	TPH (DRO) (mg/Kg)	TPH (GRO) (mg/Kg)	MTBE (mg/kg)	Naphthalene (mg/kg)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	Total BTEX (mg/kg)
07-04-0505 OE1	Tank Pit Over-Excavation (North)	12/13/04	1,300	6.1	<0.03	2.6	<0.03	<0.03	<0.03	0.086	0.086
07-04-0505 OE2	Tank Pit Over-Excavation (South)	12/13/04	310	5.6	<0.029	2.6	<0.029	<0.029	0.066	0.13	0.196
07-04-0505 MW1 (5-6.5)	MW1 5-6.5'	12/15/04	1,600	1.4	<0.028	0.46	<0.028	<0.028	<0.028	<0.028	<0.112
07-04-0505 MW2 (10-11.5)	MW2 10-11.5'	12/15/04	1,800	2.7	<0.026	0.59	<0.026	<0.026	<0.026	0.10	0.10
07-04-0505 MW3 (5-6.5)	MW3 5-6.5'	12/16/04	930	<0.62	<0.031	0.18	<0.031	<0.031	<0.031	<0.031	<0.124
VDEQ Release Reporting Requirements*	NA	NA	100	100	NA	NA	NA	NA	NA	NA	NA
VDEQ-VRP Tier II Screening Concentration**	NA	NA	NA	NA	0.009***	0.138	0.0493	23.9	33.7	60.1	NA

NA = Not Applicable

* Virginia Department of Environmental Quality (VDEQ) release reporting requirement for Underground Storage Tanks (USTs).

** Virginia Department of Environmental Quality (VDEQ) Voluntary Remediation Program (VRP) Tier II screening concentration for unrestricted-use sites.

*** The laboratory reporting limit for MTBE is greater than the VDEQ VRP Tier II Screening Concentration.

The soil samples collected from the base of the tank pit over-excavation and from the site monitoring wells contained TPH (DRO) greater than the VDEQ release reporting requirement, and Naphthalene greater than the VDEQ VRP Tier II screening concentrations for unrestricted-use sites. The TPH (GRO) concentrations detected in a portion of the soil samples were below the VDEQ release reporting requirement, and the

Ethylbenzene and Xylene detected in the samples were below the VDEQ VRP Tier II screening concentrations for unrestricted-use sites. MTBE was not detected in the soil samples at a concentration greater than the RLimit; however the RLimit was greater than the VDEQ VRP Tier II MTBE screening concentration for unrestricted-use sites.

5.2.3 Dissolved-Phase

Dissolved-phase concentrations at the site were assessed via the installation and sampling of three (3) groundwater monitoring wells. On December 15 and 16, 2004, TRIAD utilized a truck-mounted hollow-stem auger drill rig to install three (3) soil borings/groundwater monitoring wells (MW-1, MW-2, and MW-3) in the vicinity of the former UST. All monitoring wells were constructed of 2-inch diameter PVC casing and screen with a sand-packed screen section, bentonite to within approximately 2 feet of the ground surface, and a concreted flush-mount metal manhole cover.

Soil boring/monitoring well locations were based upon the former UST location, site property boundaries, site utility locations, drill-rig access, potential environmental receptors, anticipated groundwater flow direction, and areas of expected contaminant concentrations. Soil boring/monitoring well locations are depicted on the Generalized Site Plan, Plate A-4. Soil boring logs were completed by a TRIAD geologist and are included along with well construction data in Appendix E.

On December 22, 2004, TRIAD personnel collected a groundwater sample from each monitoring well. Samples extracted from the monitor wells were collected after purging a minimum of three (3) well volumes of water. The samples were collected in one-liter amber bottles and VOA vials with no head-space, capped with Teflon-lined lids, and immediately placed in a cooler with ice for delivery to the laboratory. All sampling was conducted according to TRIAD's QA/QC guidelines, including proper chain-of-custody documentation. The groundwater samples were submitted to an independent laboratory for TPH (DRO), TPH (GRO), BTEX, MTBE, and Naphthalene analysis. Groundwater sample results are included in Appendix D, and presented in Table 5.

TABLE 5 – DISSOLVED-PHASE ANALYTICAL RESULTS

Sample ID	Sample Location	Sample Date	TPH (DRO) (mg/L)	TPH (GRO) (mg/L)	MTBE (ug/L)	Naphthalene (ug/L)	Benzene (ug/L)	Toluene (ug/L)	Ethylbenzene (ug/L)	Xylenes (ug/L)	Total BTEX (ug/L)
07-04-0505 MW1	MW1	12/22/04	<0.240	<0.0057	<0.55	<0.31	<0.31	<0.40	<0.26	<0.78	<1.75
07-04-0505 MW2	MW2	12/22/04	<0.240	<0.0057	<0.55	<0.31	<0.31	<0.40	<0.26	<0.78	<1.75
07-04-0505 MW3	MW3	12/22/04	<0.240	<0.0057	<0.55	<0.31	<0.31	<0.40	<0.26	<0.78	<1.75
VDEQ Release Reporting Requirements*	NA	NA	1.0	1.0	NA	NA	NA	NA	NA	NA	NA
VDEQ-VRP Tier II Screening Concentration**	NA	NA	NA	NA	2.6	0.65	5.0	1,000	700	10,000	NA

NA = Not Applicable

* Virginia Department of Environmental Quality (VDEQ) release reporting requirement for Underground Storage Tanks (USTs).

** Virginia Department of Environmental Quality (VDEQ) Voluntary Remediation Program (VRP) Tier II screening concentration for unrestricted-use sites.

The groundwater samples collected from the site monitoring wells did not exhibit TPH (DRO), TPH (GRO), MTBE, Naphthalene, or BTEX at concentrations equal to or in exceedance of the VDEQ release reporting requirement, the VDEQ-VRP Tier II screening concentrations for unrestricted-use sites, or the analytical method detection limit.

5.2.4 Vapor-Phase

PID field-screening of the soil samples that were collected from the tank pit over-excavation and the soil borings/monitoring wells resulted in detectable hydrocarbon vapor concentrations, as summarized in Table 6, and as listed on the well logs in Appendix E.

TABLE 6 – VAPOR-PHASE HYDROCARBON PID RESULTS

	Tank Pit Over-excavation (North)	Tank Pit Over-excavation (South)	MW-1	MW-2	MW-3
2.5' – 4' *	NA	NA	1	0	0
5' – 6.5' *	1	20	2	1	1
7.5' – 9' *	NA	NA	0	1	1
10' – 11.5' *	NA	NA	0	2	0
15' – 16.5' *	NA	NA	NA	0	NA
20' – 21.5' *	NA	NA	0	0	0
25' – 26.5' *	NA	NA	0	0	0
30' – 31.5' *	NA	NA	NA	0	0

PID results are presented in parts per million (ppm).

* Approximate depth of sample below grade.

Minor vapor-phase concentrations were detected at each sample location. All of the detected vapor concentrations were present at depths less than 15 feet below grade.

TABLE 7D – SCHOOL EMPLOYEE EXPOSURE VIA INHALATION OF VAPOR-PHASE CHEMICALS IN INDOOR AIR	
Constituent of Concern	Excess Lifetime Cancer Risk
Naphthalene	5.4×10^{-6}
Ethylbenzene	4.5×10^{-8}
o-Xylene	8.4×10^{-9}
p-Xylene	1.1×10^{-8}
m-Xylene	1.0×10^{-8}
CUMULATIVE TOTAL:	5.5×10^{-6}

B. School Employee Hazard Index

The risk to the school employee from all of the identified chemical constituents is equivalent to the Hazard Quotient calculated for inhalation of vapor-phase chemicals in indoor air because this is the only complete exposure pathway identified for school employees; therefore, the calculated Hazard Index for the school employee is 5.5×10^{-6} . The calculated Hazard Index for the school employee is well below the risk value of 1, where a Hazard Index above 1 indicates that the potential for adverse health effects cannot be ruled out. As such, based upon model results utilizing conservative input parameters, there is no apparent risk to the school employee from the detected site contamination.

7.0 REMEDIATION ASSESSMENT

Based on the low-level contaminant concentrations detected during site initial abatement measures and characterization activity, and the apparent lack of risk posed by the detected contamination, remediation of the detected petroleum contamination is not warranted at this time.

8.0 LIMITATIONS

This report was prepared by Triad Engineering, Inc. for the use of Alexandria City Public Schools and the VDEQ in assessing the extent and risk of petroleum contamination at the T.C. Williams High School located at 3330 King Street in Alexandria, Virginia. The scope is limited to the specific project and locations described herein.

Our conclusions and opinions are based on our interpretation of UST removal activity, initial abatement measures, three (3) soil borings/groundwater monitoring wells and associated soil and groundwater laboratory analyses, and qualitative and quantitative assessment of risk. Subsurface conditions may vary on site between test locations with time. The nature and extent of subsurface and environmental conditions may not become evident until the time of any remediation or additional investigations are performed. The assumptions and limitations associated with modeled risk values are incorporated in this document.



MW-3

MW-1

OE-1

OE-2

MW-2

Former T.C. Williams
High School Building

**NOTE: New school building will
be built on top of the entire area
portrayed on this map.**

0 5 10 20



APPROXIMATE SCALE (FEET)

● MONITORING WELL LOCATION

⊕ SOIL SAMPLE LOCATION

- - - FORMER UST LOCATION AND OVER-EXCAVATION

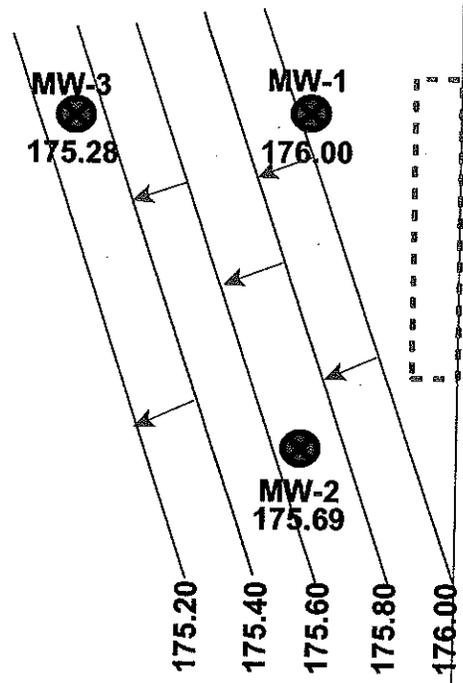
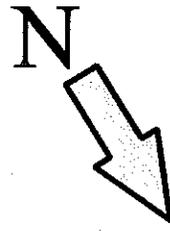
ALL LOCATIONS ARE APPROXIMATE.

TRIAD

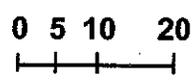
SITE PLAN

PLATE NO.

A-4



Former T.C. Williams
High School Building



APPROXIMATE SCALE (FEET)

- 175.28 GROUNDWATER ELEVATION
- MONITORING WELL LOCATION
- GROUNDWATER CONTOUR
- - - FORMER UST LOCATION AND OVER-EXCAVATION

ALL LOCATIONS ARE APPROXIMATE.



GROUNDWATER CONTOUR MAP

PLATE NO.

A-5



15850 Crabbs Branch Way
Suite 200
Rockville, MD 20855
Telephone 301-417-0200
Facsimile 301-975-0169

September 29, 2004

Mr. Mark Burke
Alexandria City Public Schools
2000 N. Beauregard Street
Alexandria, Virginia 22311

**Re: UST Removal & Oil-Water Separator Cleaning
T.C. Williams High School
3330 King Street
Alexandria, Virginia
Apex Job No: 20035.001**

Dear Mr. Burke:

Apex Environmental, Inc. (Apex) has completed the removal of one 200-gallon underground storage tank (UST) and the cleaning out of one oil/water separator at the above-referenced location. The removal occurred in accordance with all applicable federal, state and local regulations. This report details the closure activities associated with the removal and disposal of the UST, as well as sampling activities.

Field Activities

On September 2, 2004, Apex mobilized to the above-referenced location to begin the removal of one 200-gallon UST. Prior to mobilizing, "Miss Utility" was contacted to mark all surrounding utilities that existed on the property. Once utilities were properly marked, Apex began removing the overlying soils from above the UST. After the UST was exposed, Atlas Environmental Inc. (Atlas) was subcontracted and provided the service of removing the existing product from within the UST. Atlas removed a total of 14-gallons of product (in addition 584-gallons were removed from the oil-water separator/OWS). A copy of the liquid manifest is included as Appendix A. With the use of a backhoe, Apex continued to remove the overburdened soils from around the UST. Once sufficient soils were displaced, the UST was removed from the excavation. Upon completing the removal of the UST, staining and a strong petroleum odor were identified within the excavation. The UST was in poor condition. Corrosion and pitting were observed along the bottom portion of the UST. Tri-State Salvage & Trucking of Chambersburg, PA, removed the UST off site for proper disposal. A copy of the UST Disposal Certificate is included as Appendix B. An inspector from the city of Alexandria was onsite to inspect the tank. Apex representative, Richard Kinna, spoke with the city inspector and the client in regards to the potentially contaminated soil. After reviewing the situation, and the location/amount of underground utilities surrounding the excavation, all three parties agreed that the suspect soils could be temporarily left in place until the demolition of the existing building occurs. During the demolition the underground utilities will be disconnected leaving unimpeded

Mr. Mark Burke
Alexandria City Public Schools
September 29, 2004
Page 2

access to the excavation, at which point the contaminated soils will be removed. Two soil samples were collected from the base of the excavation and submitted to Phase Separation Science (Phase) of Baltimore, Maryland. The area was then backfilled and seeded.

Laboratory Data Analysis

Prior to backfilling, Apex collected two soil samples from the bottom of the excavation. The soils sample were submitted to Phase and analyzed for Total Petroleum Hydrocarbons-Gasoline Range Organics (TPH-GRO) and Total Petroleum Hydrocarbons-Diesel Range Organics (TPH-DRO), using EPA Method 8015B; Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX) and Methyl-t-butyl ether (MTBE) using EPA Method 8021B. Phase's results identified elevated levels of TPH-GRO, TPH-DRO, and BTEX. This confirmed the visual and olfactory evidence from above. A copy of the sample results is included as Appendix C.

Conclusions and Recommendations

On September 2, 2004, Apex removed one 200-gallon gasoline UST from 3330 King Street, in Alexandria, Virginia. The UST removal was conducted in accordance with all applicable regulations pertaining to the proper removal of underground storage tanks in the Commonwealth of Virginia. Post excavation samples identified elevated TPH-GRO, TPH-DRO and BTEX concentrations remained at approximately 5-7-feet below grade. Based on the still remaining contamination present within the excavation, Apex recommends that a Comprehensive Site Assessment be performed. Once the extent of the contamination is determined, Apex recommends removing the contaminated soils off site for proper disposal and collecting confirmatory clean soil samples from the walls and bottom of the excavation.

Sincerely,



Sarah E. McFarland
Environmental Scientist
Remediation Division

cc: Wayne Ridgeway, ACPS

**APPENDIX A
Liquid Manifest**



SHIPPING DOCUMENT

Date: 9-2-04 Document # A 03491

Generator/ Shipper:
 US EPA ID#: *ATLAS Environmental*
 Address: *3330 King St*
 City: *Alexandria VA* State: *VA* Zip:
 Contact: *Rock Agency* Phone: *301-917-0707*
 Site: *TC Williams H.S.*
 Address: *3330 King St*
 City: *Alexandria VA* State: *VA* Zip:
 Transporter No. 1: *Atlas Environmental*
 US EPA ID#: *ATLAS* Phone: *703-229-1122*
 Transporter No. 2:
 US EPA ID#: Phone:
 Facility: *Atlas Environmental*
10139 Giles Run Rd
Lawton VA 22079
 Additional Information:
VT 21

Non RCRA/Non DOT Regulated Material, Liquids

Line	Material
	Petroleum Impacted Water/Commercial Contact Water
	Diesel and Water for Recycling
	Glycols for Recycling
	Kerosene and Water for Recycling
	Mineral Oil for Recycling
	Oil for Recycling
	Oil, Water for Recycling
	Wastewaters

Non RCRA/ Non DOT Regulated Materials, Solids

Line	Material
	Ash, Fly
	Debris, C&D related
	Debris, Petroleum Impact, Specify:
	Drums, Empty
	Filters for Recycling, Petroleum Impacted:
	Sludge, Industrial
	Sludge, Oil
	Sludge, Tank Bottom
	Soil, Petroleum Impacted, Specify:
	Soil, Oil
	Sorbents, Diesel Fuel
	Sorbents, Oil
	Other

DOT Regulated/Non RCRA Materials-Liquids

Line	Material
	Gasoline Mixture 3,UN1203,PGII ERG #128 for Recycling
	Gasoline 3,UN1203,PGII ERG #128 for Recycling
	Fuel Oil (No.1,2,4,5,or 6) 3,NA1993,PGII ERG #128
	Diesel Fuel 3,1993 PGIII ERG #128
	Fuel, Aviation, Turbine Engine 3,UN1863, PGII ERG #128
	Kerosene, 3, UN 1223,PGIII, ERG #128
	Other

Line	Containers		Total Quantity	Unit Wt./Vol.	Quantity Liquid	Quantity Solid	Quantity Sludge	Notes
	No.	Type						
1	<i>58</i>	<i>58</i>	<i>58</i>	<i>58</i>	<i>58</i>			<i>From Separation</i>
2	<i>14</i>	<i>14</i>	<i>14</i>	<i>14</i>			<i>14</i>	
3								
4								
5								
6								

Generator's Certification: I certify the materials described above on this document are not subject to federal regulations for disposal of Hazardous Waste as defined by RCRA. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable federal, state, and local regulations.

Type/Print Name: _____ Signature: _____ Month/ Day/ Year: _____

Transporter 1 Acknowledgement of Receipt of Materials

Type/Print Name: *Daniel Thompson* Signature: _____ Month/ Day/ Year: *9-2-04*

Transporter 2 Acknowledgement of Receipt of Materials

Type/Print Name: _____ Signature: _____ Month/ Day/ Year: _____

Discrepancy Indication Space

Facility Owner or Operator : Certification of receipt of materials covered by this manifest except as noted in Discrepancy area above.

Type/Print Name: _____ Signature: _____ Month/ Day/ Year: _____

**APPENDIX B
Tank Disposal Certificate**

Tri-State Salvage & Trucking
 3710 Horst Lane
 CHAMBERSBURG, PA 17201-9131
 717-261-0504

EPA# PAR000010991

**TRANSFER OF RESPONSIBILITY
 CERTIFICATE OF STORAGE TANK DISPOSAL**

DATE 9-20-04

The undersigned Salvage Facility accepts full responsibility for the disposal of the tank(s) listed below in accordance with current Federal, State, and Local regulations.

Having been removed from service, these tanks ARE NOT:

1. Vapor free.
2. Suitable for storage of Food Liquids intended for Human or Animal consumption.
3. Suitable for Underground storage of FLAMMABLE / COMBUSTIBLE / HAZARDOUS Liquids or Materials.

<u>1</u>	<u>200</u>	Gallon tank	Former Contents	<u>Heating Oil</u>
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	
		Gallon tank	Former Contents	

Owner Location

Contractor Name: Apex Environmental
 Name: T.C Williams
 Address: 3330 King St
Alexandria Va.
 Signature: _____
 Date: 9-20-04

Salvage Facility Location

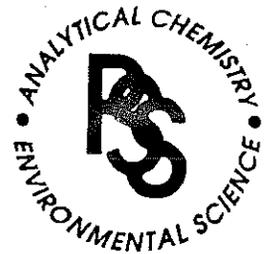
Name: **Tri-State Salvage & Trucking**
 Address: **11748 Punchbowl Road,**
Mercersburg, PA 17236
 Signature: [Signature]
 Date: 9-20-04

3604

**APPENDIX C
Laboratory Results**

OFFICES:
 6630 BALTIMORE NATIONAL PIKE
 ROUTE 40 WEST
 BALTIMORE, MARYLAND 21228
 410-747-8770
 800-932-9047
 410-788-8723 Fax
 www.phaseonline.com

PHASE SEPARATION SCIENCE, INC.



CERTIFICATE OF ANALYSIS
 No. 04091728 Page 1 of 1
 Apex Environmental, Inc.
 September 22, 2004

Project: TC Williams
 Site Location: N/A
 Project Number: 20035.001

Date Sampled: 9/13/2004
 Date Received: 9/17/2004

Sample ID	Result	Unit	Method	PQL	Prepared	Analyzed
Sample ID 14839 / 04091728-01 / Soil						
Percent Solids						
Percent Solids	83	%	Gravimetry			9/21/2004
Purgeable Aromatics						
Benzene	ND	ug/kg	EPA 8021B	600		9/21/2004
Toluene	8,600	ug/kg	EPA 8021B	600		9/21/2004
Ethylbenzene	17,000	ug/kg	EPA 8021B	600		9/21/2004
Total Xylenes	120,000	ug/kg	EPA 8021B	600		9/21/2004
Methyl-t-butyl ether	ND	ug/kg	EPA 8021B	600		9/21/2004
Total Petroleum Hydrocarbons						
Gasoline Range Organics	7,000	mg/kg	EPA 8015B	60		9/21/2004
Total Petroleum Hydrocarbons - DRO						
Diesel Range Organics	34,000	mg/kg	EPA 8015B	1500	9/21/2004	9/22/2004
Sample ID 14840 / 04091728-02 / Soil						
Percent Solids						
Percent Solids	81	%	Gravimetry			9/21/2004
Purgeable Aromatics						
Benzene	ND	ug/kg	EPA 8021B	620		9/21/2004
Toluene	6,200	ug/kg	EPA 8021B	620		9/21/2004
Ethylbenzene	10,000	ug/kg	EPA 8021B	620		9/21/2004
Total Xylenes	87,000	ug/kg	EPA 8021B	620		9/21/2004
Methyl-t-butyl ether	ND	ug/kg	EPA 8021B	620		9/21/2004
Total Petroleum Hydrocarbons						
Gasoline Range Organics	5,100	mg/kg	EPA 8015B	62		9/21/2004
Total Petroleum Hydrocarbons - DRO						
Diesel Range Organics	31,000	mg/kg	EPA 8015B	1500	9/21/2004	9/22/2004

Reviewed By

Quality Assurance Chemist

Notes/Comments:

PQL - Practical Quantitation Limit

ND - Not Detected at a concentration greater than or equal to the PQL.

Results reported on a dry weight basis where applicable.

USEPA methods recommend that the appearance of detectable levels of the above 8021B compounds be confirmed when unfamiliar samples are analyzed.

0491728



15850 CRABBS BRANCH WAY
SUITE 200
ROCKVILLE, MARYLAND 20855
TELEPHONE (301) 417-0200

CHAIN OF CUSTODY RECORD

JOB NO.	JOB NAME	PROJECT MANAGER		STATION / LOCATION		NO. OF CONTAINERS		PARAMETERS		TURN-AROUND TIME	REMARKS
		(Signed)	(Printed)			TPH - DRO/KO	BTX	MTRF			
00035.001	T. Williams	T. Williams Black		Richard Kenna							Standard
14839	9/13/10 10:00	X	S	Ø	AT School	1	X	X	X		
14840	9/13/10 10:15	X	S	Ø	AT School	1	X	X	X		
TOTALS											
Relinquished by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time	
① [Signature]		9/17/04		③ [Signature]		2:02		④ [Signature]		9/17/04	
(Printed)		DARAH MCFARLAND		(Printed)		Sean Patterson		(Printed)		P Smith	
Relinquished by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time		Relinquished by: (Signature)		Date/Time	
⑤ [Signature]		11:51		⑥ [Signature]				⑦ [Signature]			
(Printed)				(Printed)				(Printed)			

Distribution: WHITE => original (accompanies samples; returned with results) ; YELLOW => laboratory copy ; PINK => sampler's copy



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Taylor Murphy, Jr.
Secretary of Natural Resources

Northern Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193-1453
(703) 583-3800 fax (703) 583-3801
www.deq.state.va.us

Robert G. Burnley
Director

Jeffery A. Steers
Regional Director

February 14, 2005

Mr. Mark Burke
Alexandria City Public Schools
Budget Office
2000 N. Beauregard Street, Ste 207
Alexandria, Virginia 22311

RE: **PC#2005-3085; CASE CLOSED; T.C. Williams High School
3330 King Street, Alexandria**

Dear Mr. Burke:

Following a review of the referenced file and based upon the information you have submitted regarding current site conditions, the Department of Environmental Quality (DEQ) has determined that contamination levels at this site do not represent an identified risk to human health and the environment. Therefore, this case is closed and further corrective action related to this release is not required.

Please be advised, however, that should further environmental problems occur, which the DEQ determines are related to this release, the DEQ reserves the right pursuant to Virginia Law and Regulations to require additional investigation and/or corrective action.

Although no further corrective action is required related to this release, the following items may need to be addressed:

- Any groundwater monitoring wells installed as a result of this release must be properly closed in accordance with Section 5.8 and Appendix C of the DEQ Storage Tank Program Technical Manual.
- Any removed, closed-in-place, existing or new regulated underground storage tank (UST) must be registered with the DEQ. A UST Notification form (Form 7530-1) must be completed and sent to the DEQ Central Office in Richmond, Virginia. Completion of this form is not required if your tank(s) is currently registered and the registration is up-to-date. Certain types of tanks, such as tanks which contain heating oil that is used to heat the premises where the tank is located and tanks with a capacity of 1100 gallons or less which contain motor fuel for noncommercial purposes, are not required to be registered.

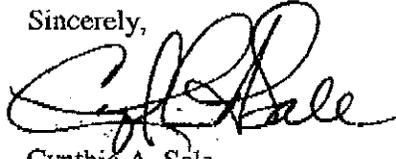
PC#2005-3085

- Any aboveground storage tank (AST) with a capacity greater than 660 gallons that contains petroleum may need to be registered with the DEQ. For more information, please contact the Petroleum Storage Tank Inspection Program at 703-583-3820 or by accessing the Virginia DEQ Web site @ www.deq.virginia.gov.

If you are eligible for and plan to seek reimbursement from the Virginia Petroleum Storage Tank Fund, you have **two years** from the date of this letter to apply for reimbursement. This includes reimbursement for costs to properly abandon monitoring wells.

If you have any questions or need additional information, please feel free to contact Mark Miller at (703) 583-3808.

Sincerely,



Cynthia A. Sale
Environmental Manager
Remediation

caseclos.doc

cc: File

Chron

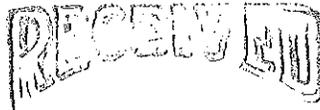
Triad via fax 540-338-8147

210 North 21st Street
Suite A
Purcellville, VA 20132
Phone 540-338-8150
FAX 540-338-8147



January 31, 2005

City of Alexandria
T & ES, Division of Environmental Quality
ATTN: Mr. William Skrabak
301 King Street (City Hall), Room 3900
Alexandria, Virginia 22314



FEB 02 2005

Northern Va. Region
Dept. of Env. Quality

COPY

RE: T.C. Williams High School
Alexandria, Virginia
VDEQ PC# 2005-3085
TRIAD Project No. 07-04-0505

Mr. Skrabak

In response to your request on January 28, 2005, Triad Engineering, Inc. (TRIAD), on behalf of Alexandria City Public Schools (ACPS), has attached a copy of the Initial Abatement Measures and Site Characterization Report prepared for the T.C. Williams High School site. The subject report was completed as required by the Virginia Department of Environmental Quality (VDEQ) for Leaking Underground Storage Tank (LUST) case PC# 2005-3085. A brief synopsis of the report is included herein.

A 200-gallon Underground Storage Tank (UST) formerly used to store diesel fuel for the site generator was closed via removal from the T.C. Williams High School site in September 2004. Soil samples collected from the base of the UST excavation contained petroleum concentrations in excess of the VDEQ reporting requirements; as such, the petroleum release was reported to the VDEQ. In a letter dated October 1, 2004, the VDEQ confirmed the release, assigned the case pollution complaint number (PC# 2005-3085), and requested the completion of initial abatement measures and site characterization activity and reports.

Initial abatement measures conducted at the site on December 13, 2004 included the excavation, transport, and off-site disposal of approximately 37.70 tons of petroleum-impacted soil from the vicinity of the former UST. Soil samples collected from the base of the UST over-excavation contained Total Petroleum Hydrocarbons (TPH) Diesel Range Organics (DRO) slightly higher than the VDEQ release reporting requirement, and limited Naphthalene, slightly higher than the VDEQ Voluntary Remediation Program (VRP) Tier II screening concentration for unrestricted-use sites. Additional analyzed petroleum constituents were below the analytical method detection limit and/or the referenced regulatory criteria.

Site characterization activity completed at the site on December 15 and 16, 2004 included the installation of three (3) groundwater monitoring wells in the vicinity of the former UST. Soil samples were collected during well installation and field-screened with a Photo-Ionization Detector (PID). The soil sample from each well with the highest PID reading was submitted to an independent laboratory for analysis. The laboratory-analyzed soil samples collected from the monitoring wells also contained TPH (DRO) slightly higher than the VDEQ release reporting requirement, and limited Naphthalene, slightly higher than the VDEQ-VRP Tier II screening concentration for unrestricted-use sites. Additional analyzed petroleum constituents were below the analytical method detection limit and/or the referenced regulatory criteria.

Triad Engineering, Inc.

Groundwater samples were collected from the site monitoring wells on December 22, 2004. The groundwater samples did not exhibit TPH (DRO), TPH Gasoline Range Organics (GRO), Methyl-t-butyl-ether (MTBE), Naphthalene, or Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) at concentrations equal to or in exceedance of the VDEQ release reporting requirement, the VDEQ-VRP Tier II screening concentration for unrestricted-use sites, or the analytical method detection limit.

The detected adsorbed-phase petroleum constituents were relatively low-level; however, due to the scheduled construction of the new T.C. Williams High School in the area of the former UST, TRIAD completed a quantitative risk assessment for the site. There were no identified impacted receptors from the subject release. Quantitative analysis of potential exposure pathways, utilizing highly conservative input parameters, indicated that the potential for adverse health effects to the construction worker and school student or employee can be ruled out.

The lack of health risk identified via the quantitative risk analysis is not surprising due to the relatively low-level petroleum concentrations detected in the site soil and the low volatility of the detected petroleum constituents. Additionally, specifications developed for the construction of the new T.C. Williams High School require the installation of a 10-mil thick vapor-barrier beneath the building floor slabs. This requirement was originally designed as a safety precaution to prevent radon intrusion into the building. The presence of a vapor-barrier was not included in the quantitative risk assessment performed by TRIAD, thus making the risk assessment results that much more conservative.

As a result of the apparent lack of risk posed by the detected site contaminants and the specified vapor-barrier for the T.C. Williams High School construction project, it does not appear that additional investigation and/or remediation activity is warranted for this case at this time.

Should you have any questions regarding this project, please contact the undersigned at your earliest convenience.

Sincerely,



Dave Duncan, CPG

Attachment

CC: Mr. Mark Burke, Director – ACPS Planning and Construction
Mr. Mark Miller, Hydrogeologist - VDEQ

Clean Earth of MD, Inc.

1469 Oak Ridge Place
Hagerstown, MD 21740-7485
301-791-6220

No 162183

APPROVAL # 04563-1ES

LOAD # _____

CARRIER NAME & ADDRESS: <i>Huffield</i>	CUSTOMER/AGENT & ADDRESS <i>DES</i>
PHONE:	PHONE:
TRUCK# <u>601</u> TRAILER# _____	JOB SITE NAME & ADDRESS: <i>all public schools</i>
VEHICLE TYPE _____ EST. QTY _____	PHONE:
DRIVER NAME <u>X</u>	SIGNATURE: X
DESCRIPTION OF COMMODITIES: RCRA NONHAZARDOUS DOT NONREGULATED SEPARATED AT POINT OF ORIGIN DESTINED FOR RECYCLING/REUSE	I HEREBY CERTIFY THAT THE DESCRIBED COMMODITY UNDER THE ABOVE APPROVAL NO. IS THE SAME MATERIAL WHICH WAS ANALYZED FOR AND APPROVED IN THE APPLICATION FOR PROCESSING AT CLEAN EARTH OF MD, INC. FURTHERMORE, I CERTIFY THAT THESE MATERIALS WERE LOADED ON THE CARRIER AND TRUCK IDENTIFIED ON THIS FORM.

BILL OF LADING

LOAD DATE:	RECEIVING DATE: <u>12 13 04</u>
DELIVER TO: CLEAN EARTH OF MD, INC. 1469 OAK RIDGE PLACE HAGERSTOWN, MD 21740	WEIGHTS: GROSS _____ TARE _____ NET _____ TONS _____
I HEREBY CERTIFY THAT THE ABOVE NAMED COMMODITY WAS RECEIVED AT CLEAN EARTH OF MD, INC. WITHOUT INCIDENT. SIGNATURE: X <i>N. Roberts</i>	<u>66260 LB</u> <u>30500 LB (TRH)</u> <u>35760 LB (NET)</u> <u>17.00 TON</u>

White - Billing; Green - Broker; Canary - Facility; Pink - Truck; Goldenrod - Generator

NON-HAZARDOUS MATERIAL

Clean Earth of MD, Inc.

No 162182

APPROVAL # 04563-1ES

1469 Oak Ridge Place
Hagerstown, MD 21740-7485
301-791-6220

LOAD # _____

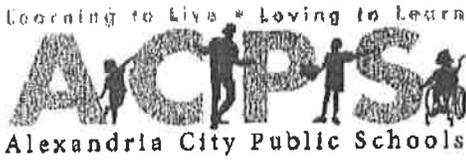
CARRIER NAME & ADDRESS: <i>Huffield</i>	CUSTOMER/AGENT & ADDRESS <i>DES</i>
PHONE:	PHONE:
TRUCK# <u>529</u> TRAILER# _____	JOB SITE NAME & ADDRESS: <i>Annapolis Public Schools</i>
VEHICLE TYPE _____ EST. QTY _____	PHONE:
DRIVER NAME <u>X</u>	I HEREBY CERTIFY THAT THE DESCRIBED COMMODITY UNDER THE ABOVE APPROVAL NO. IS THE SAME MATERIAL WHICH WAS ANALYZED FOR AND APPROVED IN THE APPLICATION FOR PROCESSING AT CLEAN EARTH OF MD, INC. FURTHERMORE, I CERTIFY THAT THESE MATERIALS WERE LOADED ON THE CARRIER AND TRUCK IDENTIFIED ON THIS FORM.
DESCRIPTION OF COMMODITIES: RCRA NONHAZARDOUS DOT NONREGULATED SEPARATED AT POINT OF ORIGIN DESTINED FOR RECYCLING/REUSE	SIGNATURE: X _____

BILL OF LADING

LOAD DATE:	RECEIVING DATE: 10:00 12 13 04
DELIVER TO: CLEAN EARTH OF MD, INC. 1469 OAK RIDGE PLACE HAGERSTOWN, MD 21740	WEIGHTS: GROSS _____ TARE _____ NET _____
I HEREBY CERTIFY THAT THE ABOVE NAMED COMMODITY WAS RECEIVED AT CLEAN EARTH OF MD, INC. WITHOUT INCIDENT.	69440 lb 30600 lb (TRHD) 38840 lb (NETC) 19.42 TON
SIGNATURE: X <i>N Roberts</i>	TONS _____

White - Billing; Green - Broker; Canary - Facility; Pink - Truck; Goldenrod - Generator

NON-HAZARDOUS MATERIALS MANIFEST



Alexandria City School Board
FINANCE OFFICE
 1340 Braddock Place, Suite 620
 Alexandria, VA 22314
 Billing Inquiries (703) 619-8041
 Tax Exempt # 69-05-30096

Purchase Order

Fiscal Year 2017 Page 1 of 1

THIS NUMBER MUST APPEAR ON ALL INVOICES, PACKAGES AND SHIPPING PAPERS.

Purchase Order # **17000079-00**

TC10456

The above Purchase Order Number must appear on all Invoices, Delivery Tickets, and Packages.

PROPERTY

SAFETY-KLEEN
 11520 BALLS FORD ROAD
 MANASSAS VA 20109

SHIP TO

T.C. Williams Main Campus
 3330 King Street
 Alexandria VA 22302

Requisition Number		Requestor Name		Requestor Phone		Delivery Reference	
20170117		Sandy Lara		703-824-6800		K. Jackson, Auto Shop	
Date Ordered		Vendor Number		Date Required		Department/Location	
07/11/2016		10907				Career and Technical Education	
Item#	Description/Part No.	Qty	UOM	Unit Price	Extended Price		
1	CTE Waste Removal @ TCW The Above Purchase Order Number Must Appear On All Correspondence - Packing Sheets And Bills Of Lading ACPS. Open PO for waste removal services in Auto Services and Graphic Imaging Labs Open PO for waste removal services in Auto Services and Graphing Imaging Lab for 2016-2017 via Safety-Kleen. Please return PO to Sandy Lara.	2500.0	EACH	\$1.000	\$2,500.00		

If this order cannot be processed, return to sender immediately with explanation. Do not process if price is incorrect.
 * Not valid unless signed by Procurement Officer.

By *Brian J. Crowley*
 Superintendent

PO Total **\$2,500.00**

Alexandria City School Board

PURCHASE ORDER TERMS AND CONDITIONS

1. Definitions. ACPS- Alexandria City Public Schools, Alexandria Virginia (sometimes also referred to as Buyer). Items- All materials, goods, components, end products, data (including electronic data), work, and/or services described in and/or called for by the Purchase Order. Purchase Order or Order or Service Contract- The Purchase Order, Service Contract or other document (which can include an electronic document) issued by ACPS to obtain the items identified in such document. Vendor- The person or entity to which the Purchase Order is directed and who will provide the items identified therein (sometimes also referred to as Seller).
2. Invoicing. All invoices shall be sent to: Alexandria City Public Schools, Accounts Payable, 1340 Braddock Place, Suite 620 Alexandria, VA 22314.
3. Termination for Default and Convenience. If Vendor refuses or fails to perform any of the terms of this Purchase Order, including poor services, work, or materials, ACPS may, by written notice to Vendor, terminate this Purchase Order, in whole or in part. In addition to any right to terminate, ACPS may enforce any remedy available at law or in equity in connection with such default, and Vendor shall be liable for all damages to ACPS resulting from Vendor's default. ACPS further reserves the right to obtain immediately such items from other vendors in the event of Vendor's default. Furthermore, ACPS may reject any items that do not comply with the requirements of this Purchase Order and any such items may be returned to Vendor at Vendor's sole cost and risk of loss. ACPS may also terminate this Purchase Order for convenience by giving written notice to Vendor at least 15 days prior to the effective date of cancellation. Any such termination shall be without liability of any type to ACPS except for payment for completed items delivered or services rendered to and accepted by ACPS. ACPS may exercise ACPS's right of setoff as to any amounts ACPS may owe the Vendor. ACPS may require Vendor to transfer title and deliver to ACPS any or all items produced or procured by Vendor for performance of the work terminated.
4. Changes By Vendor. No changes, deletions or additions may be made by the Vendor to this Purchase Order, including the terms and conditions, without the express written approval of ACPS.
5. Payment. The price(s) to be paid the Vendor shall be the current price(s) as stated on this Purchase Order. Unless otherwise stated in this Purchase Order, the price(s) shall include charges such as packaging, shipping, duties, customs, tariffs and government imposed surcharges.
6. Sales Tax Exemption. ACPS is exempt from payment of State Sales and Use Tax on all tangible personal property purchased or leased for ACPS's use or consumption. The Virginia Sales and Use Tax Certificate of Exemption number is 217-074292- 9.
7. Free on Board (F.O.B.), Risk of Loss, and Title. All prices are to be quoted F.O.B. Destination. The risk of loss from any casualty, regardless of cause, shall be on the Vendor until the items have been delivered to the place specified in the Purchase Order and accepted by ACPS.
8. Inspection. ACPS shall have a reasonable time after receipt of items and before payment to inspect all items for conformity to this Purchase Order.
9. Insurance. Vendor, and any of its subcontractors, shall, at its sole expense, obtain and maintain during the term of this Purchase Order the insurance policies and/or bonds, if any, that may be required by this Purchase Order.
10. Warranty. Vendor hereby warrants that all items and work covered by this Purchase Order shall conform to the specifications, drawings, samples, or other description furnished by ACPS and shall be merchantable, of good material and workmanship, and free from any defects. Vendor also warrants good title to and freedom from any encumbrances for all items and warrants against any infringement. Acceptance by Vendor may not exclude any warranty. If this Purchase Order is for services, Vendor warrants that the services shall be completed in a professional, good and workmanlike manner, with the degree of skill and care that is required by like vendors in Virginia
11. Nondiscrimination. Vendor shall comply with the nondiscrimination provisions of Section 2.2-4311 of the Code of Virginia, which are incorporated herein by reference.
12. Drug-Free Workplace. Vendor shall comply with the drug-free workplace provisions of Section 2.2-4312 of the Code of Virginia, which are incorporated herein by reference.
13. Faith-Based Organizations. Pursuant to the Code of Virginia, Section 2.2-4343.1, be advised that ACPS does not discriminate against faith- based organizations.
14. Assignment. Vendor may not assign or transfer this Purchase Order in whole or in part except with the prior written consent of ACPS, which consent shall not be unreasonably withheld.
15. Successors and Assigns. The terms, conditions, provisions, and undertakings of this Purchase Order shall be binding upon and inure to the benefit of each of the parties hereto and their respective successors and assigns.
16. Indemnification. Vendor agrees to indemnify and hold harmless ACPS and its officers, agents, and employees against any and all liability, losses, damages, claims, causes of action, suits of any nature, costs, and expenses, including reasonable attorney's fees, resulting from or arising out of Vendor's or its employees, agents, or subcontractors actions, activities, or omissions, arising in any way out of or resulting from any of the work or items to be provided under this Purchase Order.
17. Governing Law and Forum Selection. By virtue of entering into this Purchase Order, Vendor submits itself to a court of competent jurisdiction in Alexandria, VA and further agrees that this Purchase Order is controlled by the laws of the Commonwealth of Virginia and that all claims, disputes, and other matters shall only be decided by such court according to the laws of the Commonwealth of Virginia.
18. Acceptance - Entire Agreement - Modification. Acceptance of this Purchase Order shall be limited to the terms and conditions, but such Terms and Conditions may be changed, added to, deleted, or modified as may be agreed to between ACPS and the Contractor contained herein and/or incorporated herein by reference. This Purchase Order shall be deemed accepted upon the commencement of performance by the Vendor. ACPS rejects any additional and/or inconsistent terms and conditions offered by Vendor at any time and irrespective of ACPS's acceptance of or payment for Vendor's items.

Learning to Live • Loving to Learn



Alexandria City Public Schools

FAX TRANSMITTAL FORM

Department of Curriculum and Instruction
Alexandria, City Public Schools
Alexandria, VA 22311
Phone: 703) 619-8184 Fax: 703) 619-8984
Web page: <http://www.acps.k12.va.us/curriculum/>

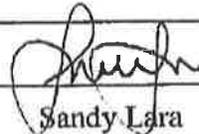
TO: SAFEY - KLEEN FAX NUMBER: 703-368-8698

FROM: Sandy Lara FAX NUMBER: 703) 619-8984

NUMBER OF PAGES (including cover sheet): 3

.....
COMMENTS: Please find PO# 17000079-00 and its respective order
attached. If you have any questions or concerns, please contact me at 703-619-8331 or via
email at sandy.lara@acps.k12.va.us. Thank you for all your help and have a wonderful
day.

Sincerely,


Sandy Lara



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

NORTHERN REGIONAL OFFICE

13901 Crown Court, Woodbridge, Virginia 22193

(703) 583-3800 Fax (703) 583-3821

www.deq.virginia.gov

L. Preston Bryant, Jr.
Secretary of Natural Resources

David K. Paylor
Director

February 19, 2009

Mr. Doug Weimer
Senior Project Manager
Motiva Enterprises, LLC
4094 Majestic Lane, PMB 224
Fairfax, Virginia 22033-2104

**RE: PC#2007-3257; CASE CLOSED; Shell 100527
3401 King Street, Alexandria, 22302**

Dear Mr. Weimer:

Following a review of the referenced file and based upon the information you have submitted regarding current site conditions, the Department of Environmental Quality (DEQ) has determined that petroleum contamination levels at this site do not represent an identified risk to human health and the environment. Therefore, this petroleum contamination case is closed and further corrective action related to this release is not required.

Please be advised, however, that should further environmental problems occur, which the DEQ determines are related to this release, the DEQ reserves the right pursuant to Virginia Law and Regulations to require additional investigation and/or corrective action.

Although no further corrective action is required related to this release, the following items may need to be addressed:

- Any groundwater monitoring wells installed as a result of this release must be properly closed in accordance with Section 5.8 and Appendix C of the DEQ Storage Tank Program Technical Manual.
- Any removed, closed-in-place, existing or new regulated underground storage tank (UST) must be registered with the DEQ. A UST Notification form (Form 7530-2) must be completed and sent to the DEQ at the above address. Completion of this form is not required if your tank(s) is currently registered and the registration is up-to-date. Certain types of tanks, such as tanks which contain heating oil that is used to heat the premises where the tank is located and tanks with a capacity of 1100 gallons or less which contain motor fuel for noncommercial purposes, are not required to be registered.

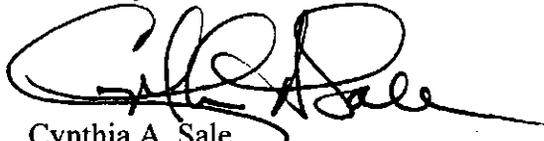
PC#2007-3257

- Any aboveground storage tank (AST) with a capacity greater than 660 gallons that contains petroleum may need to be registered with the DEQ. For more information, please contact the Petroleum Storage Tank Inspection Program at 703-583-3820 or by accessing the Virginia DEQ Web site @ www.deq.virginia.gov.

If you are eligible for and plan to seek reimbursement from the Virginia Petroleum Storage Tank Fund, you have **two years** from the date of this letter to apply for reimbursement. This includes reimbursement for costs to properly abandon monitoring wells.

If you have any questions or need additional information, please feel free to contact Joseph L. Glassman at (703) 583-3808.

Sincerely,

A handwritten signature in black ink, appearing to read 'C. Sale', written over a horizontal line.

Cynthia A. Sale
Environmental Manager
Remediation

caseclos.doc

cc: URS via email to adriane_rogers@urscorp.com
File

VIRGINIA DEPARTMENT OF ENVIRONMENTAL QUALITY
Northern Regional Office
Memorandum

Subject: PC #2007-3257 Shell 100527
3401 King Street, Alexandria, Alexandria City 22302
Fac ID 3019103
To: Cynthia A. Sale, Environmental Manager, Remediation
From: Joseph Glassman, Environmental Specialist 
Date: February 12, 2009
RE: Closure Recommendation

This release was reported to NRO on June 15, 2007. Motiva submitted results of soil and groundwater samples collected as part of a Phase II ESA performed by Kleinfelder.

CEDS indicates that the site has one 20,000-gallon and one 5,000-gallon gasoline UST installed in December 2007. Four 10,000-gallon gasoline USTs were installed in 1979 and removed in 2007. The site was inspected on July 12, 2006 and no issues were noted. There are no other PCs on this site.

Kleinfelder completed four soil borings in June 2007. They collected soil and groundwater samples from the borings. Trace levels of BETX and oxygenates were detected in two of the four soil samples. Trace to low levels of BETX, MTBE and other oxygenates were detected in the groundwater samples. Kleinfelder conducted a limited receptor survey. They did not identify any drinking water wells or surface water in the immediate area.

In December 2007, URS supervised the removal of the USTs. URS removed over 300 tons of contaminated soil and over 5,000 gallons of groundwater from the tank pit. They collected twenty confirmation soil samples following soil removal. TPH-DRO ranged from 5.9 mg/kg to 136 mg/kg. TPH-GRO ranged from 0.5 mg/kg to 203 mg/kg. URS completed a receptor survey of the immediate area. They did not identify any wells, surface water, or basements near the site.

I visited the site on February 2, 2009. The property is located in a commercial and residential area. Townhomes are located to the east and northeast. A garden center is located to the north. A church is located to the southwest, and a high school is located to the south. I did not observe any indications of contamination in the stormwater catchbasins on site. These utilities appear to be too shallow to be impacted by groundwater contamination. I did not observe any surface water in the immediate area. The area is served by public water.

The site appears to meet all DEQ criteria for closure. Low levels of contaminants were found in soil and groundwater, both before and after tank removal. There is no indication of an ongoing release. No free product or saturated soils have been identified. The area is served by public water. No impacted or at-risk receptors have been identified. I recommend that this PC case be closed.



Underground Storage Tank Facility Inspection Checklist

Inspection Type: Informal Formal

Facility ID # 3019103 Inspector: Liaz Syed Inspection Date: 8/4/10

I. GENERAL FACILITY INFORMATION

Number of regulated USTs at facility: Total # 3
 # in use 3 # closed in the ground # temporarily closed # improperly deactivated

Facility Name: Shell
 As Currently Posted: Shell
 As Currently Registered: King street shell

Facility Address
 Street address: 3401 King Street
 City: Alexandria Zip 22302 City/County: Alexandria
 Phone: ()
 Latitude: 3 °N Longitude: 0 °W (use degrees and decimals)

Currently registered address

Owner (RP) Information (according to onsite contact)

Current Tank Owner Name: Dag Petroleum Suppliers
 Owner Address: 6820-B Commercial Dr.
Springfield VA Zip: 22151
 Phone: (703) 750-6810 Monty Berhane
 Facility Contact Onsite during inspection: Farooq Sultan (DAG)
John Simons (Fuel Tech)

Potable Water Source: Public Water ;
 Deep Well ; Shallow Well
 PC#
 Fuel Supplier
 Suspected Release
 Length of Piping feet

II. INSPECTION SUMMARY

Apparent Noncompliance Issues: Registration (Circle all that apply.)
 a. Not Registered b. Registration Amendment Required c. Closure Documentation Required
 Spill Prevention
 Overfill Prevention
 Corrosion Protection (Circle all that apply.)
 a. Tanks b. Piping c. Operation and Maintenance (if applicable)
 Release Detection (Circle all that apply.)
 a. Not Performed for Tanks b. Not Performed for Pipes c. Operation/Maintenance Issues
 Financial Responsibility

Facility in compliance with 1998 Upgrade: Yes No
 Facility in Compliance with Release Detection: Yes No
 Facility being reported to EPA as non-compliant: Yes No

Owner's expressed intent: upgrade replace close not available other (explain in comments)

Inspector Comments/Schedule for completing work:
Amended registration needs to be submitted
* 5,000 gal gas tank is used for diesel
* 20,000 gal. gas tank is compartment tank (12,000 gal regular & 8,000 gal premium)

Inspector's Signature: (RS)
 Start time 7:00 P.M Finished 2:15 P.M Sunny (hot)
 UST Inspection Checklist (Revised 06/02) Page 1



Underground Storage Tank Facility Inspection Checklist

Inspection Type: Informal Formal

Facility ID # 3019103 Inspector: Riaz Syed Inspection Date: 4,16,2013

I. GENERAL FACILITY INFORMATION

Number of regulated USTs at facility: Total # 3
 # in use 3 # closed in the ground # temporarily closed # improperly deactivated

Facility Name
 As Currently Posted: shell
 As Currently Registered: king street shell

Facility Address
 Street address: 3401 King Street
 City: Alexandria Zip 22302 City/County: Alexandria
 Phone: ()
 Latitude: 3 °N Longitude: 0 °W (use degrees and decimals)

Currently registered address

Owner (RP) Information (according to onsite contact)

Current Tank Owner Name: DAG Petroleum Suppliers LLC

Owner Address: Mtingley @ capitolpetro.com

City: State: Zip:

Phone: (703) 750-6810 x140 Megan Tingley

Facility Contact Onsite during inspection Hank Waugh (James G. Walter)
Shambir Bedi (Capitol)

Potable Water Source: Public Water ;
 Deep Well ; Shallow Well
 PC#
 Fuel Supplier
 Suspected Release
 Length of Piping feet

II. INSPECTION SUMMARY

Cloudy mid to high 50°F.

Apparent Noncompliance issues:

Facility in compliance with 1998 Upgrade: Yes No
 Facility in Compliance with Release Detection: Yes No
 Facility being reported to EPA as non-compliant: Yes No

Registration (Circle all that apply.)
 a. Not Registered b. Registration Amendment Required c. Closure Documentation Required

Spill Prevention

Overfill Prevention

Corrosion Protection (Circle all that apply.)
 a. Tanks b. Piping c. Operation and Maintenance (if applicable)

Release Detection (Circle all that apply.)
 a. Not Performed for Tanks b. Not Performed for Pipes c. Operation/Maintenance Issues

Financial Responsibility

Owner's expressed intent: upgrade replace close not available other (explain in comments)

Inspector Comments/Schedule for completing work:

UST operator training records looked fine

NO issues noted

Inspector's Signature: (RAS)



Underground Storage Tank Facility Inspection Report

Facility Information

Facility Id:	3019103	Inspection Date:	6/23/2016
Registered Name:	King Street Shell	Inspected by:	Riaz Syed
Registered Address:	3401 King St Alexandria VA, 22302	Actual Address:	3401 King St Alexandria VA, 22302

Tank Owner

DAG Petroleum Suppliers LLC
6820 B Commercial Dr
Springfield VA, 22151
(703) 750-6810

Tank Owner Contact

Marshall Yacoe
6820-B Commercial Dr
Springfield VA, 22151
(703) 750-6810
myacoe@capitolpetro.com

Compliance Summary

Spill Prevention

This inspection did not identify any Spill Prevention compliance issues which need to be addressed at this time.

Overfill Protection

This inspection did not identify any Overfill Protection compliance issues which need to be addressed at this time.

Pipe Release Detection

This inspection did not identify any Pipe Release Detection compliance issues which need to be addressed at this time.

Tank Release Detection

This inspection did not identify any Tank Release Detection compliance issues which need to be addressed at this time.

Pipe Corrosion Protection

This inspection did not identify any Pipe Corrosion Protection compliance issues which need to be addressed at this time.

Tank Corrosion Protection

This inspection did not identify any Tank Corrosion Protection compliance issues which need to be addressed at this time.

Secondary Containment

This inspection did not identify any Secondary Containment compliance issues which need to be addressed at this time.

Temporary Closure

This inspection did not identify any Temporary Closure compliance issues which need to be addressed at this time.

Operator Training

This inspection did not identify any Operator Training compliance issues which need to be addressed at this time.

Registration

This inspection did not identify any Registration compliance issues which need to be addressed at this time.

Inspection Comments

Inspection

Jhirmane Parks accompanied, Lennie Black from Frank DeLuca assisted on the inspection. No UST compliance issues noted.

Spill Prevention

OPW spill buckets appeared to be in good working condition. One of the vapor recovery connections had a spill bucket.

Overfill Protection

Shut off valve inside fill riser of each UST.

Tank Release Detection

Per records received 6/21/16, All UST's passed CSLD 0.2 gph leak test between June 2015 and May 2016 (records good for past 12 months). Veeder Root TLS-350R is used for RD monitoring.

The USTs passed CSLD on 6/23/16.

Pipe Release Detection

Fuel lines passed 3.0 gph, 0.2 gph and 0.1 gph tests using ELLD's and Veeder Root.

Pipe Corrosion Protection

Containment sumps at STP's and under fuel dispensers. No CP issues noted.

Operator Training

Marshall Yacoe, Jon Cook, Hope Gardepe designated class A/B operators. Solomun Bayu and Habtamu Baiu designated class C operators. Fuel em instructions posted inside kiosk.

Tank Information						
Tank Num	Contents	Capacity	Status	Date Installed	Spill Prevention	Overfill Device
1CA	GASOLINE	12000 gal	CURR IN USE	12/15/2007	Yes	AUTOMATIC SHUTOFF
2CA	GASOLINE	8000 gal	CURR IN USE	12/5/2007	Yes	AUTOMATIC SHUTOFF
3	DIESEL	5000 gal	CURR IN USE	12/15/2007	Yes	AUTOMATIC SHUTOFF

Material of Construction		
Tank Num	Tank Materials	Piping Materials
1CA	Fiberglass Reinforced Plastic, Double Walled	Fiberglass Reinforced Plastic, Double Walled
2CA	Fiberglass Reinforced Plastic, Double Walled	Fiberglass Reinforced Plastic, Double Walled
3	Fiberglass Reinforced Plastic, Double Walled	Fiberglass Reinforced Plastic, Double Walled

Release Detection					
Tank Num	Tank RD Method	Piping	Piping RD Method	Last LTT	Last ALLD Test
1CA	Automatic Tank Gauging, Interstitial Monitoring- Double Walled	PRESSURE	Tightness Testing, Interstitial Monitoring- Double Walled, Automatic Line Leak Detectors, Other- ATG	4/26/2016 Passed	N/A
2CA	Automatic Tank Gauging, Interstitial Monitoring- Double Walled	PRESSURE	Tightness Testing, Interstitial Monitoring- Double Walled, Automatic Line Leak Detectors	5/10/2016 Passed	N/A
3	Automatic Tank Gauging, Interstitial Monitoring- Double Walled	PRESSURE	Tightness Testing, Interstitial Monitoring- Double Walled, Automatic Line Leak Detectors	6/17/2016 Passed	N/A

Corrosion Protection System		
Tank Num	Last Tank CP Test	Last Pipe CP Test
1CA		
2CA		
3		

Site Sketch

6/23/16

Facility ID# 3019103

Inspection Date: 1-1

VII. UST SYSTEM DESCRIPTION -- INACTIVE (IMPROPERLY CLOSED) USTs:

GENERAL INFORMATION:

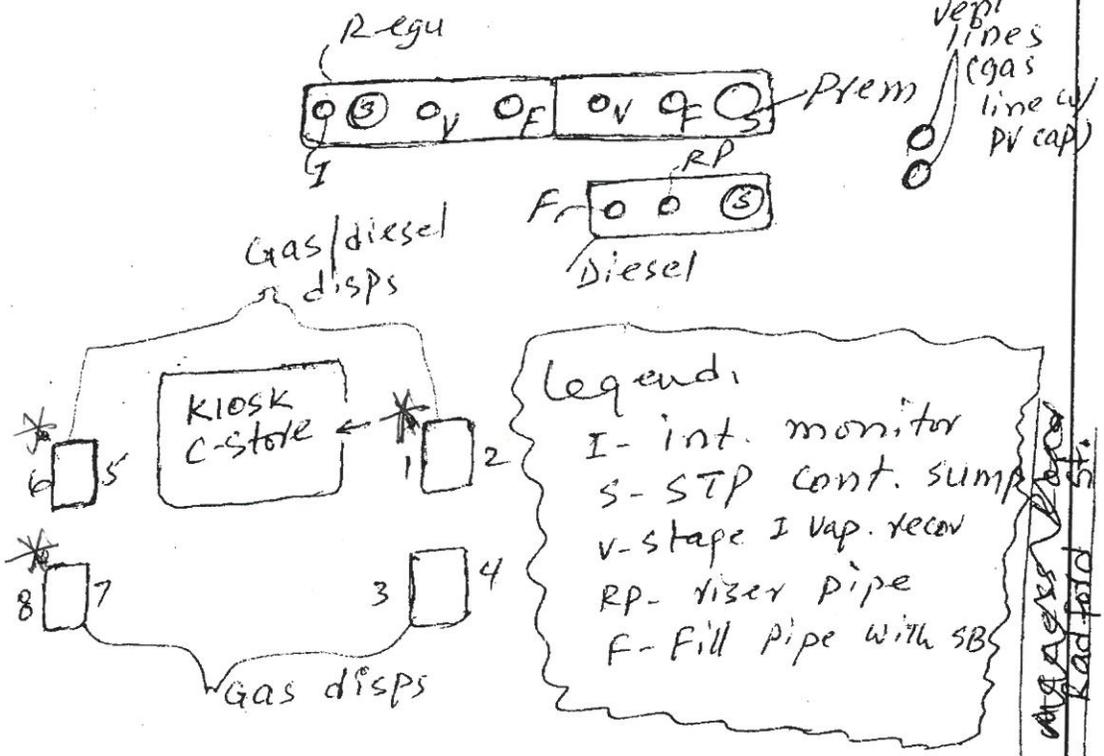
	Closed Tank#	Closed Tank #	Closed Tank#	Closed Tank#	Closed Tank#	Closed Tank#
Tank designator:						
Date Closed/Out of service	/ /	/ /	/ /	/ /	/ /	/ /
Tank Capacity (gallons)						
Substance last stored in tank						
Appears the tank was closed without notifying DEQ						
# of USTs Closed Prior to 12/22/88 ("previously closed")						
Closed UST Owner/Operator Name(s):						
Street Address:						
City:				State:		
Phone:						

Comments:

Facility Site Sketch: (Mark wells/problems on map.)

NORTH ↑

W. Braddock Road



King Street → East

PHASE II DIVESTMENT ENVIRONMENTAL ASSESSMENT REPORT

I. SITE NAME

Shell Service Station No. 100527
3401 King Street
Alexandria, VA 22302-3022

II. SITE DESCRIPTION

FEATURES

Structures: Convenience store kiosk and a dispenser canopy are located on the property. A Site Map is presented as Figure 1, Attachment 1.

Surrounding Properties: Commercial properties border the property which is located along a multi-lane highway.

Site/Area Topography: The site is located in a relatively flat area. The site elevation is approximately 190 feet above mean sea level and slopes slightly toward to the southeast (Figure 2, Attachment 1).

Bay Drains/Waste Oil USTs: None

POTENTIALLY SENSITIVE RECEPTORS

Supply Wells: None Identified

Environmental Receptors: A federal wetland is located 1,320 feet west of the property. A monitoring well is located 28 feet east of the property.

SITE HISTORY

Current Use: Convenience store

Monitoring Wells On-Site: None

Prior Use: No information available

UST Closures: No information available

Site Characterization: No information available

III. SUBSURFACE INVESTIGATION

RECENT SUBSURFACE WORK

Date(s) Drilled: May 30, 2007 and June 6, 2007

Drilling Method: Hand clearing/Direct Push

Number of Borings: Four borings (SB-1 through SB-4)

Boring Locations: Soil borings were installed in the vicinity of the underground storage tanks (USTs) and the fuel dispenser islands. Approximate boring locations are illustrated on Figure 2, Attachment 1.

Max. Depth Explored: 16 feet below ground surface (bgs)

Soil borings were advanced until groundwater was encountered, technical drilling refusal, or a maximum depth of 30 feet. Soil samples were collected continuously during direct-push drilling at the four locations to a maximum depth of 16 feet.

Soil samples were screened for volatile organic vapors (VOCs) utilizing a photoionization detector (PID). Lithologic descriptions of the soil samples as well as results of the PID field screening are presented on the Soil Boring Logs in Attachment 2. The highest PID detected VOC concentrations were detected in soil boring SB-4 at 85.4 parts per million (ppm). Upon completion of field activities, the borings were backfilled with drill cuttings and bentonite chips to the surface and the surface was restored to match pre-existing conditions.

GEOLOGY/HYDROGEOLOGY

Gen. Soil Characteristics:	Predominantly sandy gravel with lesser amounts of silt
Depth of Refusal:	Not encountered
Depth to Groundwater:	Approximately 12 feet bgs
Groundwater Gradient:	The estimated direction of groundwater flow is to the southeast based on approximate topographic gradient (Figure 2, Attachment 1).

SOIL QUALITY

Number of Soil Samples:	Four (SB-1 through SB-4)
Sample Dates:	June 6, 2007
Sample Analyses:	VOCs and Oxygenates via EPA Method SW846 8260B

One soil sample from each boring was collected for laboratory analyses. Samples submitted for analyses were the interval exhibiting the highest PID screening reading or the sample collected above the water table. tert-Butyl Alcohol (TBA), Ethylbenzene, and Total Xylenes were detected above Virginia state action levels (method reporting limits). A summary of the soil sample analytical data is provided on Table 1 (Attachment 3). Compounds with detectable concentrations are depicted on Figure 3, Attachment 1. The laboratory analytical report is provided in Attachment 4.

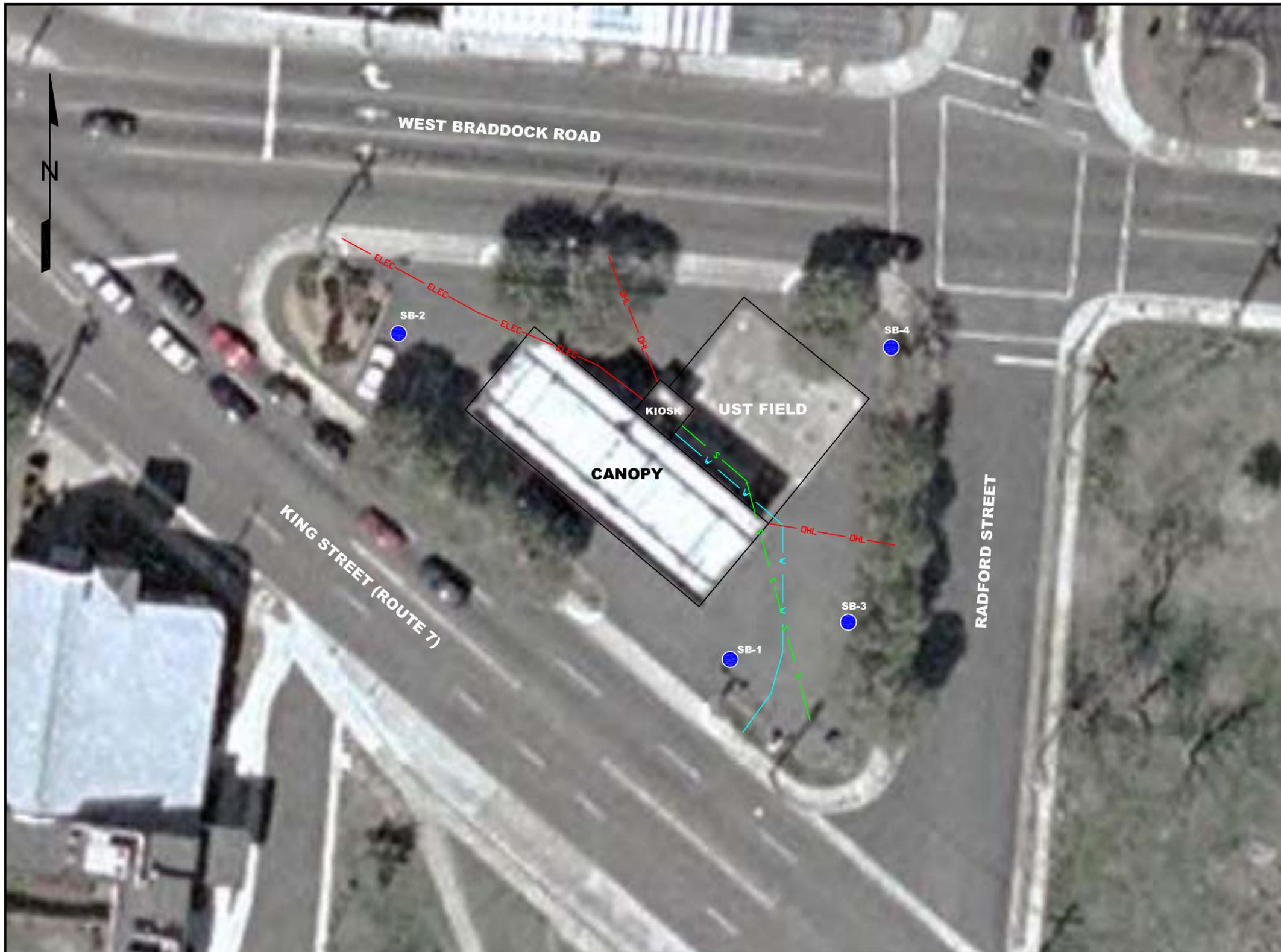
GROUNDWATER QUALITY

Number of Monitoring Points:	SB-1 GW through SB-4 GW
Sample Dates:	June 6, 2007
Sample Analyses:	VOCs and Oxygenates via EPA Method SW846 8260B

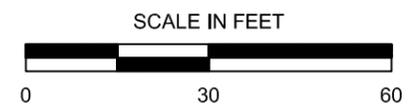
One no-purge groundwater sample was collected from four boring locations and submitted for laboratory analysis. t-Amyl methyl ether (TAME), Benzene, TBA, Ethylbenzene, Isopropyl Ether (DIPE), Methyl tert-butyl ether (MTBE), Toluene, and Total Xylenes were detected above Virginia state action levels. A summary of the groundwater results are summarized on Table 2 (Attachment 3). Compounds with detectable concentrations are depicted on Figure 4, Attachment 1. The laboratory analytical report is provided in Attachment 4.

INVESTIGATION-DERIVED WASTE

Liquid waste was treated (e.g. well development water and decontamination fluids) by granular activated carbon and discharged to an unpaved surface at the Site. Soil waste (e.g. soil, asphalt) generated during this investigation were staged in 55-gallon drums.



LEGEND	
	SOIL BORING
	UNDERGROUND ELECTRIC LINE
	UNDERGROUND SEWER LINE
	UNDERGROUND WATER SUPPLY LINE
	OVERHEAD UTILITY LINE
UST	UNDERGROUND STORAGE TANK



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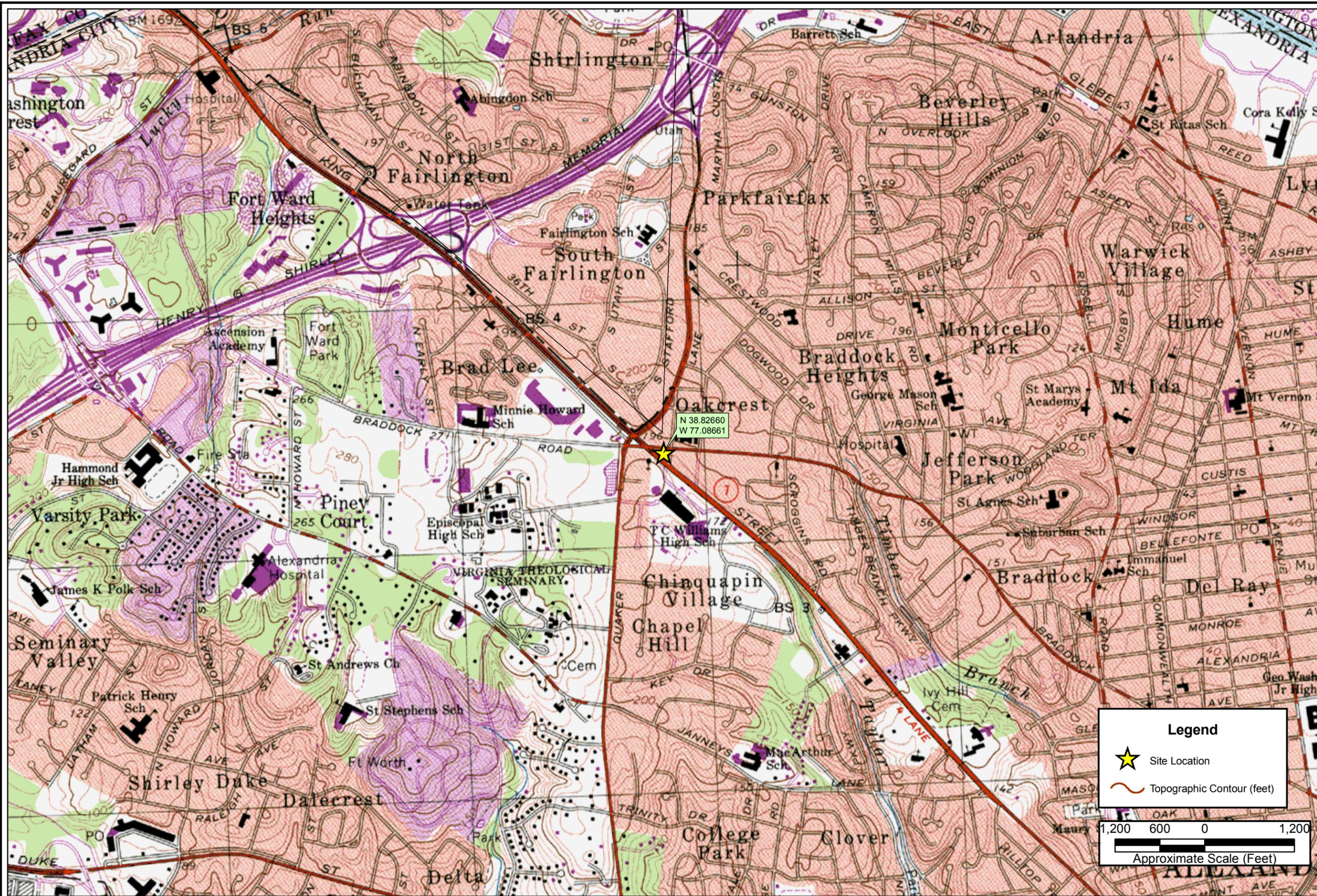
DRAWN BY: ASD	
REVISED BY: JL	
CHECKED BY:	
DATE: 06/22/2007	APPROVED BY:

SITE PLAN	
SHELL SERVICE STATION No. 100527 3401 KING STREET ALEXANDRIA, VIRGINIA	
PROJECT No. 83507	FILE NAME:

KLEINFELDER

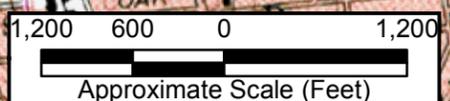
1340 CHARWOOD ROAD, SUITE I
 HANOVER, MARYLAND 21076
 PH. (425) 850-0404 FAX. (425) 850-0049
 www.kleinfelder.com

FIGURE
1



Legend

- ★ Site Location
- ~ Topographic Contour (feet)



NO.	REVISION	BY	DATE
1			
2			
3			
4			



FIGURE 2
REGIONAL AREA MAP

SHELL SERVICE STATION No. 100527
3401 KING STREET
ALEXANDRIA, VIRGINIA

KLEINFELDER

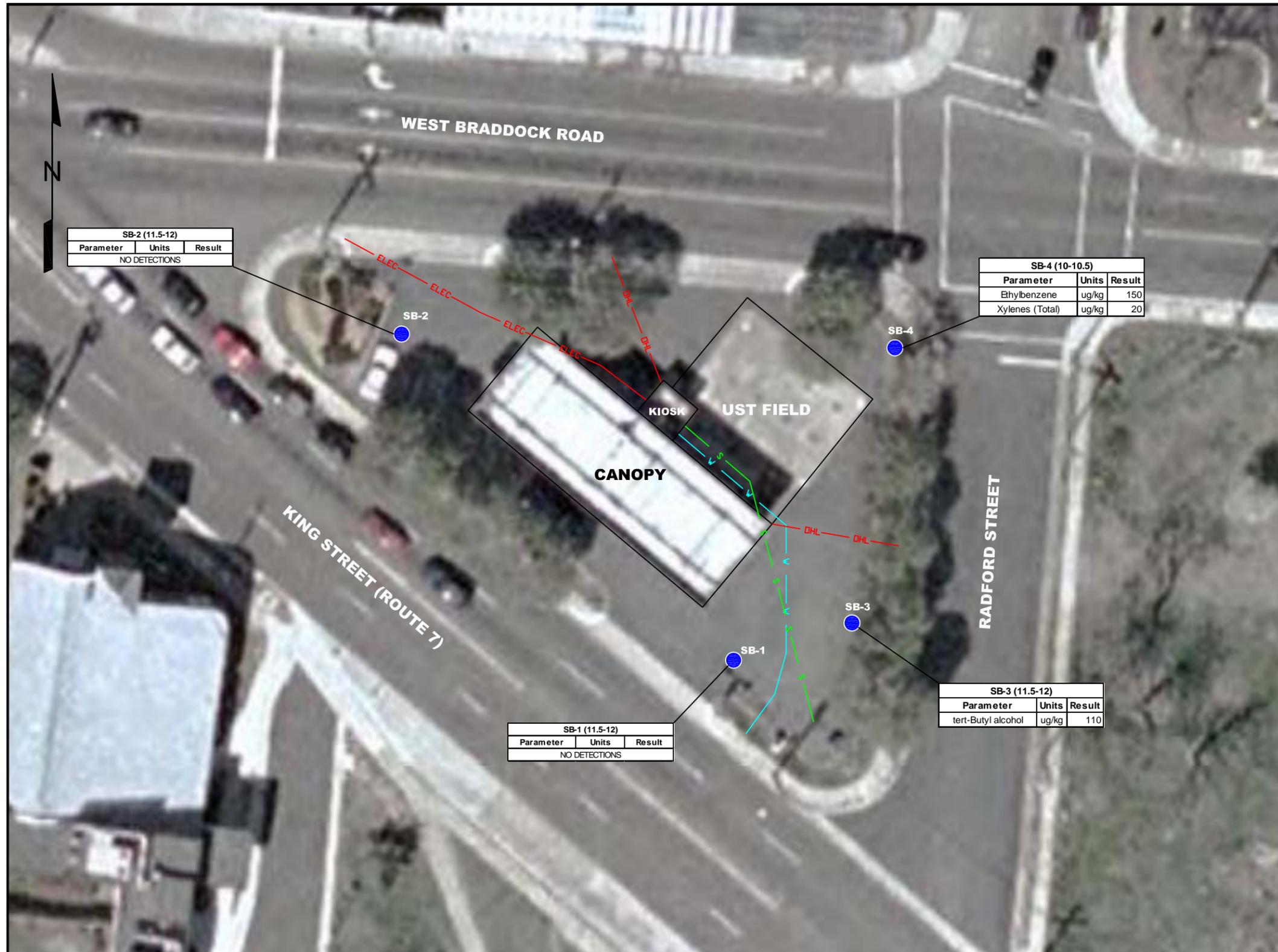
1340 Charwood Road, Suite 1
Hanover, Maryland 21076
Ph: (410) 850-0404 Fax: (410) 850-0049
www.kleinfelder.com

PROJ. NO. 83507
DRAWN BY: S. Owe
CHECKED BY: S. Owe
GIS FILE: Topographic Maps.mxd

ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

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DATE: June 21, 2007
SCALE: 1:14,400
DRAWING No. 2



LEGEND

- SOIL BORING
- ELEC— UNDERGROUND ELECTRIC LINE
- S — UNDERGROUND SEWER LINE
- V — UNDERGROUND WATER SUPPLY LINE
- DHL — OVERHEAD UTILITY LINE
- UST UNDERGROUND STORAGE TANK

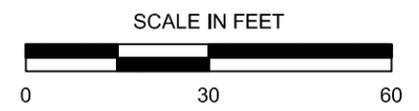
SOIL SAMPLE ID			ONLY PARAMETERS WITH DETECTIONS ARE SHOWN
Parameter	Units	Result	

SB-2 (11.5-12)		
Parameter	Units	Result
NO DETECTIONS		

SB-4 (10-10.5)		
Parameter	Units	Result
Ethylbenzene	ug/kg	150
Xylenes (Total)	ug/kg	20

SB-1 (11.5-12)		
Parameter	Units	Result
NO DETECTIONS		

SB-3 (11.5-12)		
Parameter	Units	Result
tert-Butyl alcohol	ug/kg	110



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REVISED BY: JL	
CHECKED BY:	
DATE: 06/22/2007	APPROVED BY:

**SOIL ANALYTICAL RESULTS WITH
 DETECTABLE CONCENTRATIONS MAP**

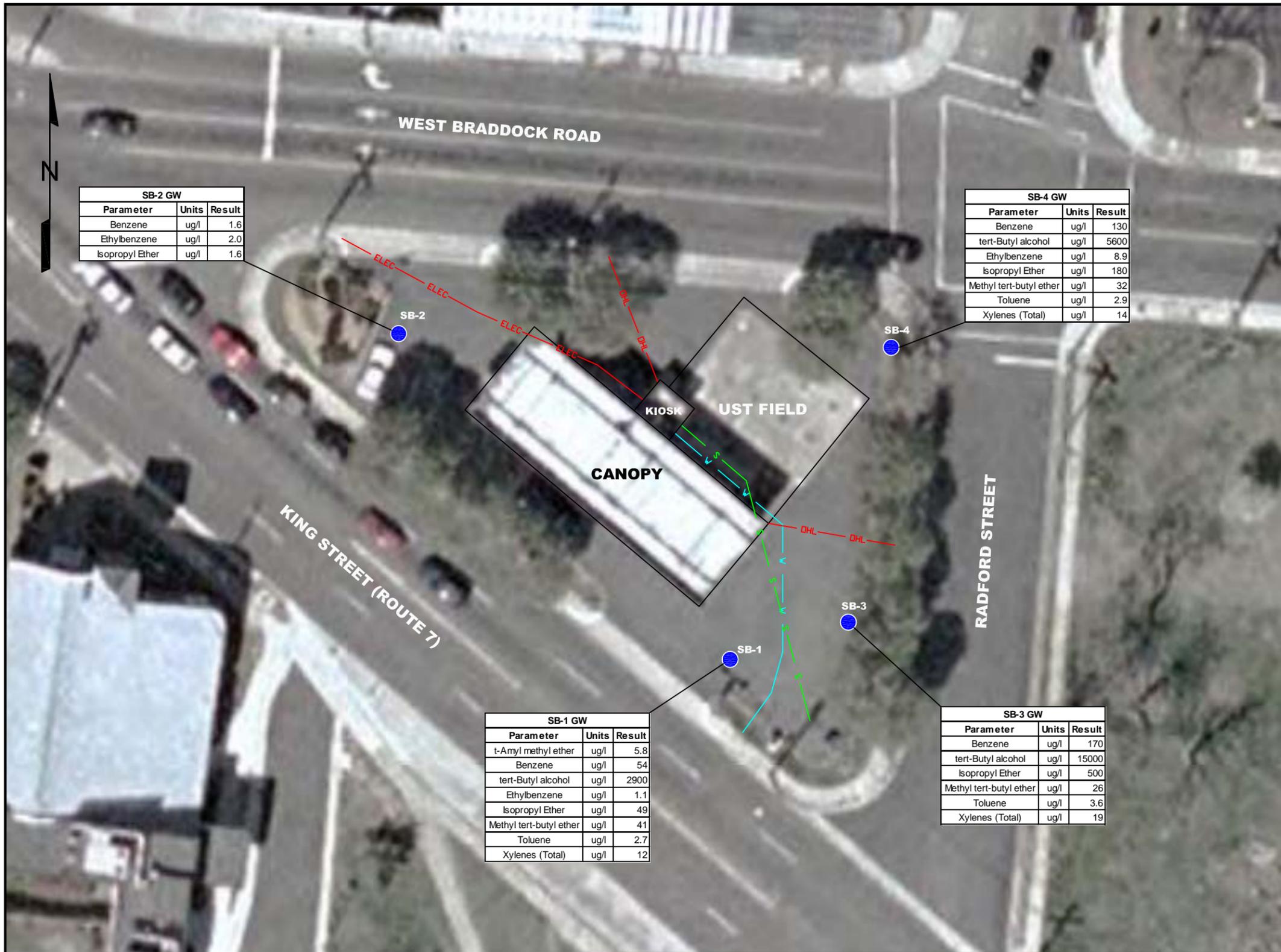
SHELL SERVICE STATION No. 100527
 3401 KING STREET
 ALEXANDRIA, VIRGINIA

PROJECT No. 83507 FILE NAME:

KLEINFELDER

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 HANOVER, MARYLAND 21076
 PH. (425) 850-0404 FAX. (425) 850-0049
 www.kleinfelder.com

FIGURE
3



SB-2 GW		
Parameter	Units	Result
Benzene	ug/l	1.6
Ethylbenzene	ug/l	2.0
Isopropyl Ether	ug/l	1.6

SB-4 GW		
Parameter	Units	Result
Benzene	ug/l	130
tert-Butyl alcohol	ug/l	5600
Ethylbenzene	ug/l	8.9
Isopropyl Ether	ug/l	180
Methyl tert-butyl ether	ug/l	32
Toluene	ug/l	2.9
Xylenes (Total)	ug/l	14

SB-1 GW		
Parameter	Units	Result
t-Amyl methyl ether	ug/l	5.8
Benzene	ug/l	54
tert-Butyl alcohol	ug/l	2900
Ethylbenzene	ug/l	1.1
Isopropyl Ether	ug/l	49
Methyl tert-butyl ether	ug/l	41
Toluene	ug/l	2.7
Xylenes (Total)	ug/l	12

SB-3 GW		
Parameter	Units	Result
Benzene	ug/l	170
tert-Butyl alcohol	ug/l	15000
Isopropyl Ether	ug/l	500
Methyl tert-butyl ether	ug/l	26
Toluene	ug/l	3.6
Xylenes (Total)	ug/l	19

LEGEND

- SOIL BORING
- ELEC UNDERGROUND ELECTRIC LINE
- S UNDERGROUND SEWER LINE
- V UNDERGROUND WATER SUPPLY LINE
- OHL OVERHEAD UTILITY LINE
- UST UNDERGROUND STORAGE TANK

GROUNDWATER SAMPLE ID			ONLY PARAMETERS WITH DETECTIONS ARE SHOWN
Parameter	Units	Result	



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DRAWN BY: ASD	
REVISED BY: JL	
CHECKED BY:	
DATE: 06/22/2007	APPROVED BY:

GROUNDWATER ANALYTICAL RESULTS WITH DETECTABLE CONCENTRATIONS MAP

SHELL SERVICE STATION No. 100527
 3401 KING STREET
 ALEXANDRIA, VIRGINIA

PROJECT No. 83507 FILE NAME:

KLEINFELDER

1340 CHARWOOD ROAD, SUITE I
 HANOVER, MARYLAND 21076
 PH. (425) 850-0404 FAX. (425) 850-0049
 www.kleinfelder.com

FIGURE
4



3019103

RECEIVED

DEC 15 2008

DEPT. OF ENVIRONMENTAL
QUALITY-NRO

December 12, 2008

Mr. Randy Chapman
Commonwealth of Virginia
Department of Environmental Quality
Northern Virginia Regional Office: Remediation
13901 Crown Court
Woodbridge, VA 22193

**Re: UST Closure Assessment Report
Shell Service Station #100527
3401 King Street, Alexandria, VA
PC # 2007-3257**

Dear Mr. Chapman:

On behalf of Motiva Enterprises LLC (Motiva), URS Corporation (URS) is submitting a second electronic copy on CD of the UST Closure Assessment Report, January 2008 for the above referenced site. This report presents the site activities and sampling results for the closure of three 10,000 gallon fiberglass gasoline underground storage tanks (USTs), one 10,000 gallon fiberglass diesel UST, four multiple product dispensers, and associated fiberglass product delivery piping.

Regards,
URS CORPORATION

Adriane Rogers
Site Manager

Attachment

Cc: Douglas Weimer – Motiva Enterprises, LLC

Event	Date	Initials
Code:		
Scanned		
QC		

URS Corporation
200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD. 20878
Tel: 301.258.9780
Fax: 301.869.8728

**UNDERGROUND STORAGE TANK
CLOSURE REPORT**

**SHELL SERVICE STATION #100527
3401 KING STREET
ALEXANDRIA, VIRGINIA
PC# N/A**

Prepared for

Motiva Enterprises LLC.
4094 Majestic Lane, PMB 224
Fairfax, Virginia 22033

and

Commonwealth of Virginia
Department of Environmental Quality
Northern Regional Office
13901 Crown Court
Woodbridge, Virginia 22193

January 2008

URS

URS Corporation
200 Orchard Ridge Drive, Suite 101
Gaithersburg, Maryland 20878

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- Figure 2 Site Map
- Figure 3 Site Map with Soil Samples Locations

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Appendices

- Appendix A Photographic Documentation
- Appendix B VDEQ Notification for Storage Tanks Form 7530-2
- Appendix C Local Government Tank Closure Permit
- Appendix D Liquid Disposal Manifests
- Appendix E Certificate of Tank Destruction
- Appendix F Fill Material Delivery Tickets
- Appendix G Soil Disposal Manifests
- Appendix H Laboratory Analytical Reports
- Appendix I EDR Database Report
- Appendix J Fairfax County Health Department Correspondence

Motiva Enterprises LLC (Motiva) retained URS Corporation of Gaithersburg, Maryland (URS) to provide oversight, field screening, and environmental consulting services for the removal of three (3) 10,000 gallon fiberglass Underground Storage Tanks (USTs) used for gasoline storage, one (1) 10,000 gallon fiberglass UST used for diesel fuel storage, four (4) Multiple Product Dispensers (MPDs), and associated fiberglass product delivery piping at the Shell Service Station located at 3401 King Street, Alexandria, Virginia. This report is being submitted to the Virginia Department of Environmental Quality (VDEQ) to document the environmental activities associated with tank removal. UST removal activities began on December 4, 2007. The USTs were removed from the ground on December 6, 2007 and December 7, 2007. The four MPDs were removed from their locations on December 7, 2007 and temporarily stored on-site for future use. The product delivery piping was removed from the ground on December 7, 2007 and December 10, 2007. Soil was removed from the site on December 14, 2007 and December 17, 2007. This report summarizes the site history, field procedures, and laboratory results of the UST system closure soil samples collected by URS.

A sensitive receptor survey (SRS) was conducted for the evaluation of environmental risk at and within the immediate vicinity of the site. The nearest surface water body is Taylor Run, a tributary of the Potomac River located approximately 2,000 feet southeast of the site. Federal wetlands are located approximately 1,320 feet west of the site. Structures with basements were not identified within 328 feet of the site. Underground utilities are present at the site. Three schools are located within 1,320 feet of the site. There are at least 24 LUST sites located within one mile of the site. Based on site reconnaissance and map inspection, a BP Station/Sunoco (Former Mobil 16-DG6) located at 3500 King Street is located approximately 628 feet northwest of the site and is listed as a LUST site. The closest monitoring well to the site is located 28 feet east of the site. One Federal USGS well is located ½ to 1 mile southwest of the site. No agricultural, industrial, drinking water, or other wells were located within 3,280 feet of the site.

Based on the results of this investigation, URS proposes no further action at the site and requests the VDEQ to consider case closure.

The site is located at 3401 King Street in Alexandria, Fairfax County, Virginia. Based on the United States Geological Survey (USGS) Alexandria, Virginia-District of Columbia-Maryland Quadrangle Topographic Map, the site is located approximately 190 feet above mean sea level. The site slopes gently to the southeast. Based on area topography and well gauging data from June 6, 2007 obtained from one on-site soil boring, the groundwater flow direction is to the southeast toward Taylor Run. Depth to groundwater was measured at approximately 12 feet below ground surface (bgs). The nearest body of surface water is Taylor Run, located approximately 2,000 feet southeast of the site.

The site is a Shell branded retail gasoline station that is currently closed. The immediate area surrounding the site includes West Braddock Road to the north, Radford Street to the east, and King Street to the south and west. Commercial properties are located across these streets from the site. Private residences are not located immediately adjacent to the site.

Environmental site features included three (3) 10,000 gallon fiberglass USTs used for gasoline storage, one (1) 10,000 gallon fiberglass UST for diesel fuel storage, four (4) MPDs, associated fiberglass product delivery piping, one canopy, and one kiosk building. Four soil boring locations, designated as SB-1 through SB-4, are on the site. These soil borings were installed on May 30, 2007 and June 6, 2007 to evaluate soil and groundwater quality as part of a Phase II Divestment Environmental Assessment. Terminal soil boring depths of approximately 16 feet bgs are reported for SB-1 through SB-4.

Utilities that service the site are both buried and overhead. An underground electric line is present along the northwest side of the site. The electric line connects the kiosk to the dispensers. A water line and a sanitary sewer line are present along the southeast side of the site and connect to the kiosk.

URS completed a VDEQ file review for the site on January 31, 2007. Based on the review, URS identified no historical cases associated with the site.

Kleinfelder of Hanover, Maryland completed a Phase II Divestment Environmental Assessment Report dated June 2007 for the site. The following summarizes the findings of the Phase II report:

- Four soil borings (SB-1 through SB-4) were drilled on May 30, 2007 and June 6, 2007 to evaluate soil and groundwater at the site. Four soil and one groundwater samples were collected to evaluate potential impact to the site's subsurface.
- Soil samples were collected continuously during direct push drilling at the four locations to a maximum depth of 16 feet.
- Soil samples were screened for volatile organic compounds (VOCs) utilizing a photoionization detector (PID). The highest PID detected a VOC concentration of 85.4 parts per million (ppm) from soil boring SB-4. Tert-Butyl Alcohol (TBA), Ethylbenzene, and Total Xylenes were detected above Virginia action levels (method reporting limits).
- T-Amyl Methyl Ether (TAME), Benzene, TBA, Ethylbenzene, Di-Isopropyl Ether (DIPE), Methyl Tert-Butyl Ether (MTBE), Toluene, and Total Xylenes were detected above Virginia action levels (method reporting limits).
- Liquid phase hydrocarbons (LPH) were not detected at the site.
- Depth to groundwater was determined to be approximately 12 feet below ground surface.
- The estimated direction of groundwater flow is to the southeast based on approximate topographic gradient.

On December 4, 2007, UST removal activities began at the site. Details of the UST removal activities are further discussed in this report.

UST removal activities began on December 4, 2007 with a pre-construction meeting. Photographic documentation of the tank removal is provided as Appendix A. The Notification for Underground Storage Tanks is provided as Appendix B. In addition, a copy of the Local Government Tank Closure Permit is provided as Appendix C. Following the on-site meeting, A & A Environmental Services (A&A) of Baltimore, Maryland vacuumed out liquids from all four USTs. Approximately 227 gallons of petroleum impacted water and residue were recovered from the tanks and lines. A copy of the liquid disposal manifest is provided as Appendix D. Prior to tank removal activities, the USTs were inerted by A&A using dry ice. The fiberglass product delivery piping was cleared using nitrogen gas. In addition, H&H Concrete Construction, Inc. (H&H) of Mount Airy, Maryland initiated the break up of concrete covering the USTs. In addition, one composite waste characterization sample was collected from numerous locations around the tank field. This soil sample consisted mostly of gravel with a little soil and was collected at a depth of approximately 2.0 to 3.0 feet bgs. No native soil was encountered during the removal of UST-1 and UST-2.

On December 5, 2007, H&H continued to break up and remove the concrete covering the USTs.

On December 6, 2007, H&H placed poly sheeting on ground for soil staging. Excavation activities were initiated in the vicinity of the Diesel UST and soil samples were scanned for volatile organic compounds (VOCs) using a photoionization detector (PID). The diesel UST, regular grade gasoline UST, and premium grade gasoline UST were removed from the ground. Soil samples were collected from the side walls and beneath the USTs upon removal. The diesel UST was loaded and transported off-site for disposal by H&H. The diesel UST appeared to be in good condition with no holes or evidence of failure. A copy of the certificate of tank destruction is provided as Appendix E.

On December 7, 2007, the regular grade and premium grade gasoline USTs were loaded and transported off-site for disposal. The mid-grade gasoline UST was removed from the ground, loaded, and transported off-site for disposal. All three gasoline USTs appeared to be in good condition with no holes or evidence of failure. A copy of the certificate of tank destruction is provided as Appendix E. Additional soil samples were collected for tank closure purposes. H&H continued to break up and remove the concrete covering the product delivery piping. Soil samples, designated as T-01 through T-04, were also collected from beneath the product delivery lines. The area was fenced in following tank removal activities.

On December 10, 2007, additional soil samples were collected from beneath the product delivery piping. Both the current and old product lines were removed from the ground. No significant petroleum odors were noted during the product delivery piping removal activities.

On December 6, 2007 and December 7, 2007, H&H backfilled the excavation basin with 13 loads (322.72 tons) of clean crushed stone backfill material as supplied by Chantilly Crushed Stone of Chantilly, Virginia. Copies of the Fill Material Delivery Tickets are provided as Appendix F. The stone backfill material was compacted using the excavator and backhoe.

On December 14, 2007 and December 17, 2007, petroleum impacted soil was excavated and removed from the UST excavation basin. Excavation activities removed the majority of pea gravel from the UST excavation basin and some soil from the side walls of the basin. The petroleum impacted soil was directly loaded into a dump truck for off-site disposal. A total of 343.60 tons of soil were removed and transported to Soil Safe of Brandywine, Maryland. A

summary of the tonnages as provided by the non-hazardous waste manifests is provided as Appendix G.

Following soil excavation activities, approximately 5,018 gallons of liquid were removed from the UST excavation basin on December 18, 2007. This dewatering of the tank basin was performed as part of the new UST installation activities. A copy of the liquid disposal manifest is provided as Appendix D.

During the UST removal activities, URS screened soil samples for Volatile Organic Compounds (VOCs) using a PID for screening purposes. The soil samples were collected from the site to assist with the identification of petroleum impacted soil. VOC concentrations ranged from 0.0 parts per million (ppm) to a maximum VOC concentration of 2,000 ppm. Based on visual field observations and PID readings above 100 ppm, petroleum impacted soil were excavated on December 14, 2007 and December 17, 2007.

A total of 20 soil samples were collected for laboratory analyses. Each sample was placed into clean, laboratory-supplied glass jars, sealed using appropriate lids, labeled, and placed on ice. The samples were delivered to TestAmerica, Inc. of Nashville, Tennessee and analyzed for benzene, toluene, ethylbenzene and total xylenes (BTEX), Methyl tert-Butyl Ether (MTBE), Naphthalene, total petroleum hydrocarbons – diesel range organics (TPH-DRO), and total petroleum hydrocarbons – gasoline range organics (TPH-GRO) under proper chain-of-custody procedures. BTEX, MTBE, and Naphthalene were analyzed using U.S. Environmental Protection Agency (EPA) Method SW-846 8260B. TPH-GRO and TPH-DRO were analyzed using Method SW-846 8015B.

Laboratory analytical data reported for the soil samples indicate the following:

- Benzene was detected in 12 of the 20 samples collected. Concentrations ranged from 0.00102 to 0.449 milligrams per kilogram (mg/kg).
- Toluene was detected in 12 of the 20 samples collected. Concentrations ranged from 0.00142 to 0.809 mg/kg.
- Ethylbenzene was detected in 10 of the 20 samples collected. Concentrations ranged from 0.00131 to 1.57 mg/kg.
- Total xylenes were detected in 12 of the 20 samples collected. Concentrations ranged from 0.00727 to 3.39 mg/kg.
- MTBE was detected in 4 of the 20 samples collected. Concentrations ranged from 0.0166 to 0.114 mg/kg.
- Naphthalene was detected in 13 of the 20 samples collected. Concentrations ranged from 0.00563 to 26.4 mg/kg.
- TPH-GRO was detected in 7 of the 20 samples collected. Concentrations ranged from 0.447 to 203 mg/kg.
- TPH-DRO was detected in 12 of the 20 samples collected. Concentrations ranged from 5.94 to 136 mg/kg.

The laboratory analytical results for the soil samples are summarized in Table 1. Copies of the laboratory analytical reports are included as Appendix H.

6.1 SENSITIVE RECEPTOR SURVEY

Data for this sensitive receptor survey (SRS) was acquired from Environmental Data Resources, Inc. (EDR), a SRS database completed by Delta Environmental (Delta), the Fairfax County Health Department, and the internet for the evaluation of environmental risk at and within the immediate vicinity of the site. URS has integrated the above referenced findings into the following SRS discussion.

URS reviewed *The EDR Radius Map with Geocheck® Report* which was derived from public records and complies with the ASTM Standard Practice for Environmental Site Assessments (E 1527-05). A copy of the EDR report is provided in Appendix I. In addition, URS reviewed Delta's SRS database which was completed in December 2005. URS also submitted a Freedom of Information Act (FOIA) request to the Fairfax County Health Department on December 20, 2007. The purpose of the FOIA request was to identify the presence of agricultural, industrial, drinking water and other wells at or near the site. The Fairfax County Health Department reported no information was found from their file search. Copies of the FOIA request and response letters are included in Appendix J.

Residents of Fairfax County receive public water service from one of three water agencies: Fairfax Water, City of Fairfax Department of Transit and Utilities, and the Falls Church Department of Public Utilities. The principal sources of water for Fairfax Water are the Occoquan River and the Potomac River. Supplementary sources of water include interconnections with the Cities of Fairfax and Falls Church, Town of Vienna, Loudoun County, and Arlington County. The Occoquan Reservoir is impounded by a gravity-type concrete dam a few miles upstream of its confluence with the Potomac River. The dam was constructed in 1957. Treatment of water from the Occoquan Reservoir is provided by the Griffith Water Treatment Plant located in Lorton, which was placed in service in 2006. The Griffith Treatment Plant replaces the Lorton and Occoquan Treatment Plants. Twenty-nine booster pumping stations are located within the distribution system to provide adequate pressure throughout Fairfax Water's service area. The distribution system is interconnected at 76 locations with 12 other water systems in northern Virginia (www.fairfaxcounty.gov/dmb/adopted/FY2008/PDF/CIP/water_supply.pdf).

6.1.1 Surface Water Bodies

Based on the 7.5-Minute Alexandria, Virginia-District of Columbia-Maryland Quadrangle Topographic Map, the nearest surface water body is Taylor Run, a tributary of the Potomac River. This creek is located approximately 2,000 feet southeast of the site. Taylor Run generally flows from northwest to southeast. The Potomac River is located approximately 4 miles east of the site.

6.1.2 Sensitive Habitats

Based on a review of *The EDR Radius Map with Geocheck® Report* and Delta's SRS information, one sensitive habitat is located within 3,280 feet of the site. Federal wetlands are located approximately 1,320 feet west of the site.

6.1.3 Nearby Structures

Basements and other subsurface structures such as subsurface utilities, building foundations, and areas of fill or excavation, can be potential receptors and act as migration routes for subsurface petroleum hydrocarbons.

URS reviewed Delta's SRS database to determine if structures with basements are located within 328 feet of the site. Structures with basements were not identified within 328 feet of the site.

Based on URS site reconnaissance and map inspection, subsurface utilities are located at and near the site. Public water, sanitary sewer, and natural gas are provided to the site from King Street to the north. An underground electric line is present along the northwest side of the site. The electric line connects the kiosk to the dispensers. A water line and a sanitary sewer line are present along the southeast side of the site and connect to the kiosk. No storm drains or storm water conduits are located at or near the site.

URS reviewed Delta's SRS database to determine if hospitals, schools, childcare facilities or residential care facilities are located within 328 feet of the site. None of the above were identified within 328 feet of the site. However, it should be noted that Delta's database identified T.C. Williams High School, 3330 King Street, to be located approximately 686 feet southeast of the site, Blessed Sacrament School, West Braddock Road, to be located approximately 1,000 feet northeast of the site, and Episcopal High School, 200 North Quaker Lane, to be located approximately 1,320 feet northwest of the site.

URS reviewed the *EDR Radius Map with Geotek[®] Report* to determine the location of other Leaking Underground Storage Tank (LUST) sites. The EDR report revealed that there are 24 LUST sites located within one mile of the site. The facilities are listed below and labeled by EDR as:

- Map ID 1 T.C. Williams High School located at 3330 King Street 293 feet northwest of the site.
- Map ID A2 Quaker Lane Apartments located at 1215 North Quaker Lane 1,249 feet west-northwest of the site.
- Map ID A3 Quaker Lane Apartments located at 1221 North Quaker Lane 1,255 feet west-northwest of the site.
- Map ID 4 Citgo Fairlington located at 41333 North Quaker Lane 1,262 feet north-northwest of the site.
- Map ID B5 BP Station located at 3500 King Street 1,341 feet northwest of the site.
- Map ID B6 Tosco #263 5096 (Former Mobil) located at 3500 King Street 1,341 feet northwest of the site.
- Map ID B7 Mobil #16-DG6 located at 3500 King Street 1,341 feet northwest of the site.
- Map ID B8 Mobil #16-DG6 located at 3500 King Street 1,341 feet northwest of the site.
- Map ID 9 Amoco #3454 located at 1615 North Quaker Lane 1,896 feet north of the site.
- Map ID 10 Sunoco/Fairlington located at 1639 North Quaker Lane 2,028 feet north of the site.

- Map ID 11 Parkfairfax Condominiums located at 3138 Martha Custis Drive 3,240 feet north-northeast of the site.
- Map ID 12 Virginia Theological Seminary located at 3737 Seminary Road 3,319 feet west-southwest of the site.
- Map ID 13 Parkfairfax Condominiums located at 1622 Rippon Place 3,571 feet north of the site
- Map ID C14 Chesley Pritchard Residence located at 3810 Colonel Ellis Avenue 4,337 feet southwest of the site.
- Map ID D15 Terry & Susan Hartle-Quantius located at 519 Fort Williams Parkway 4,342 feet southwest of the site.
- Map ID C16 Lois Simms Residence located at 3809 Colonel Ellis Avenue 4,343 feet southwest of the site.
- Map ID D17 Margaret Bryant Residence located at 515 Fort Williams Highway 4,392 feet southwest of the site.
- Map ID 18 Parklawn Elementary School located at 4116 Braddock Road 4,487 feet west-northwest of the site.
- Map ID 19 Parkfairfax Condominiums located at 1574 Mount Eagle Place 4,671 feet north of the site.
- Map ID 20 Braddock-Lee Apartments located at 2623 North Van Dorn Street 4,820 feet northwest of the site.
- Map ID 21 Saint Stephens School located at 1000 Saint Stephens Road 4,855 feet west-southwest of the site.
- Map ID 22 Susan Ross-O'Brien Residence located at 800 St. Stephens Road 4,909 feet southwest of the site.
- Map ID 23 Parkfairfax Condominiums located at 3526 Valley Drive 4,912 feet north-northeast of the site.
- Map ID 24 Episcopal High School located at 200 North Quaker lane 5,243 feet south-southwest of the site.

Based on URS site reconnaissance and map inspection, BP Station/Sunoco (Former Mobil 16-DG6) located at 3500 King Street 628 feet northwest of the site is located near the site and is listed as a LUST site.

6.1.4 Nearby Wells

Based on review of Delta's SRS database, no agricultural, industrial, drinking water, or other wells were located within 3,280 feet of the site. However, Delta's SRS database notes the closest monitoring well to be located 28 feet east of the site.

URS reviewed the *EDR Radius Map with Geocheck® Report* to determine the presence of agricultural, industrial, drinking water, or other wells located within 3,280 feet of the site. One

well was identified within the search parameters. This well was identified in the Federal USGS database and is labeled by EDR as Well Number 1 located ½ to 1 mile southwest of the site. A copy of the EDR Physical Setting Source Map illustrating the location of the well is provided in the *EDR Radius Map with Geocheck[®] Report* found in Appendix E.

Motiva retained URS Corporation to provide oversight and consulting services for the excavation and removal of three (3) 10,000 gallon fiberglass Underground Storage Tanks (USTs) used for gasoline storage, one (1) 10,000 gallon fiberglass UST for diesel fuel storage, four (4) Multiple Product Dispensers (MPDs), and associated fiberglass product delivery piping at the Shell Service Station located at 3401 King Street, Alexandria, Virginia.

UST removal activities began on December 4, 2007. The USTs were removed from the ground on December 6, 2007 and December 7, 2007. The four MPDs were removed from their locations on December 7, 2007 and temporarily stored on-site for future use. The product delivery piping was removed on December 7, 2007 and December 10, 2007. Soil was removed from the site on December 14, 2007 and December 17, 2007.

A summary of events are as follows:

- Approximately 227 gallons of liquid were removed from the USTs.
- Approximately 5,018 gallons of liquid were removed from the UST excavation basin.
- Approximately 343.60 tons of petroleum impacted soil were removed from the site.
- Approximately 322.72 tons of backfill were used to fill the excavation to grade.
- Of the soil samples collected, three (3) samples were detected above the VDEQ closure criteria of 100 mg/kg of TPH. Below is a summary of the detections above the VDEQ closure criteria.

SE Wall-2 – TPH-GRO, 203 mg/kg

Regular-1 – TPH-GRO, 119 mg/kg

Regular-2 – TPH-DRO, 136 mg/kg

The nearest surface water body is Taylor Run, a tributary of the Potomac River located approximately 2,000 feet southeast of the site. Federal wetlands are located approximately 1,320 feet west of the site. Structures with basements were not identified within 328 feet of the site. Underground utilities are present at the site. Three schools are located within 1,320 feet of the site. There are at least 24 LUST sites located within one mile of the site. Based on site reconnaissance and map inspection, a BP Station/Sunoco (Former Mobil 16-DG6) located at 3500 King Street is located approximately 628 feet northwest of the site and is listed as a LUST site. The closest monitoring well to the site is located 28 feet east of the site. One Federal USGS well is located ½ to 1 mile southwest of the site. No agricultural, industrial, drinking water, or other wells were located within 3,280 feet of the site.

Based on the results of this investigation, URS proposes no further action at the site and requests the VDEQ to consider case closure.

Figures

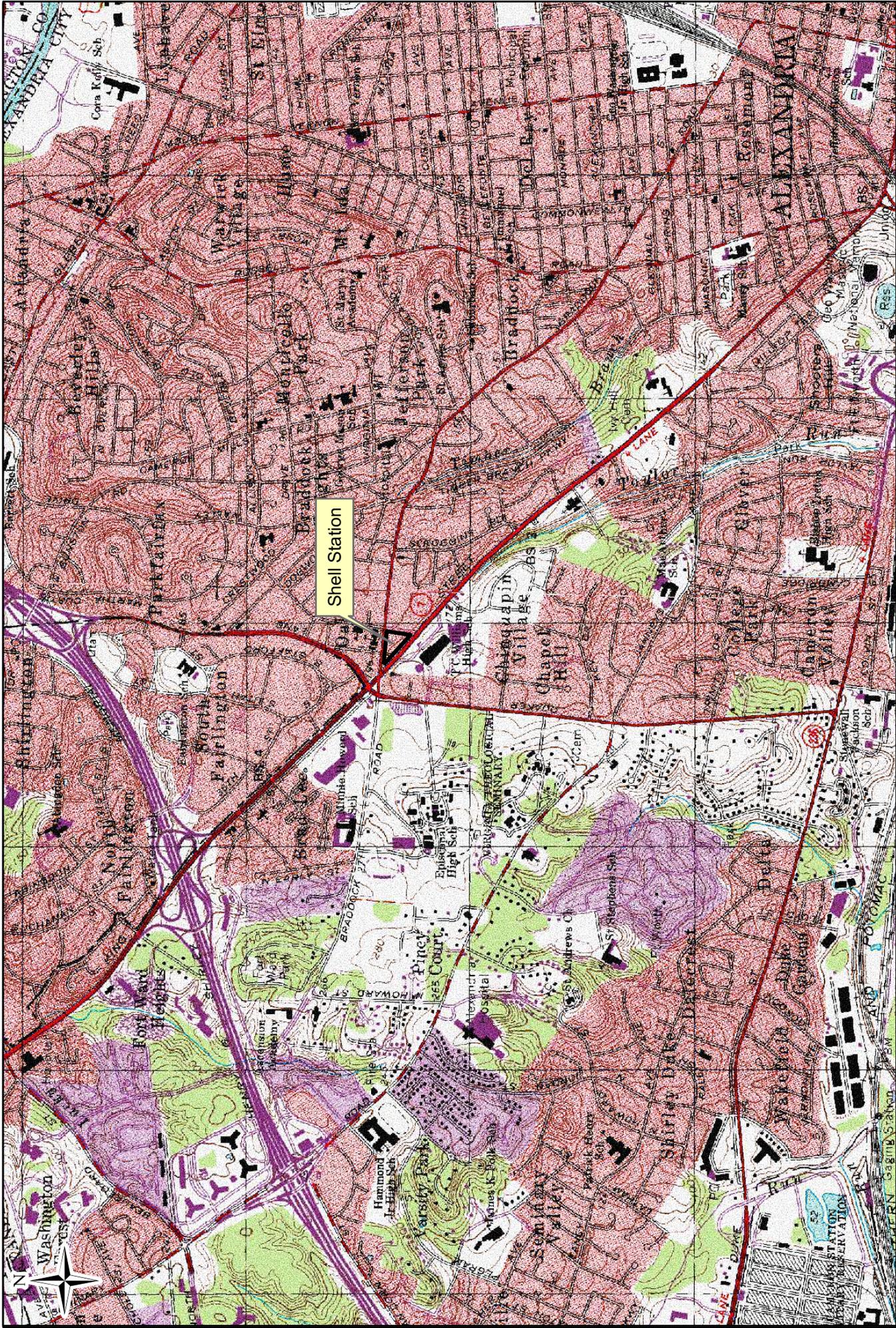


Figure 1
 USGS Topographic Map
 Shell Service Station 100527
 3401 King Street
 Alexandria, VA



Legend

— Station Outline

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 Date: 12/18/07
 Created: JB
 Checked:
 Senior:



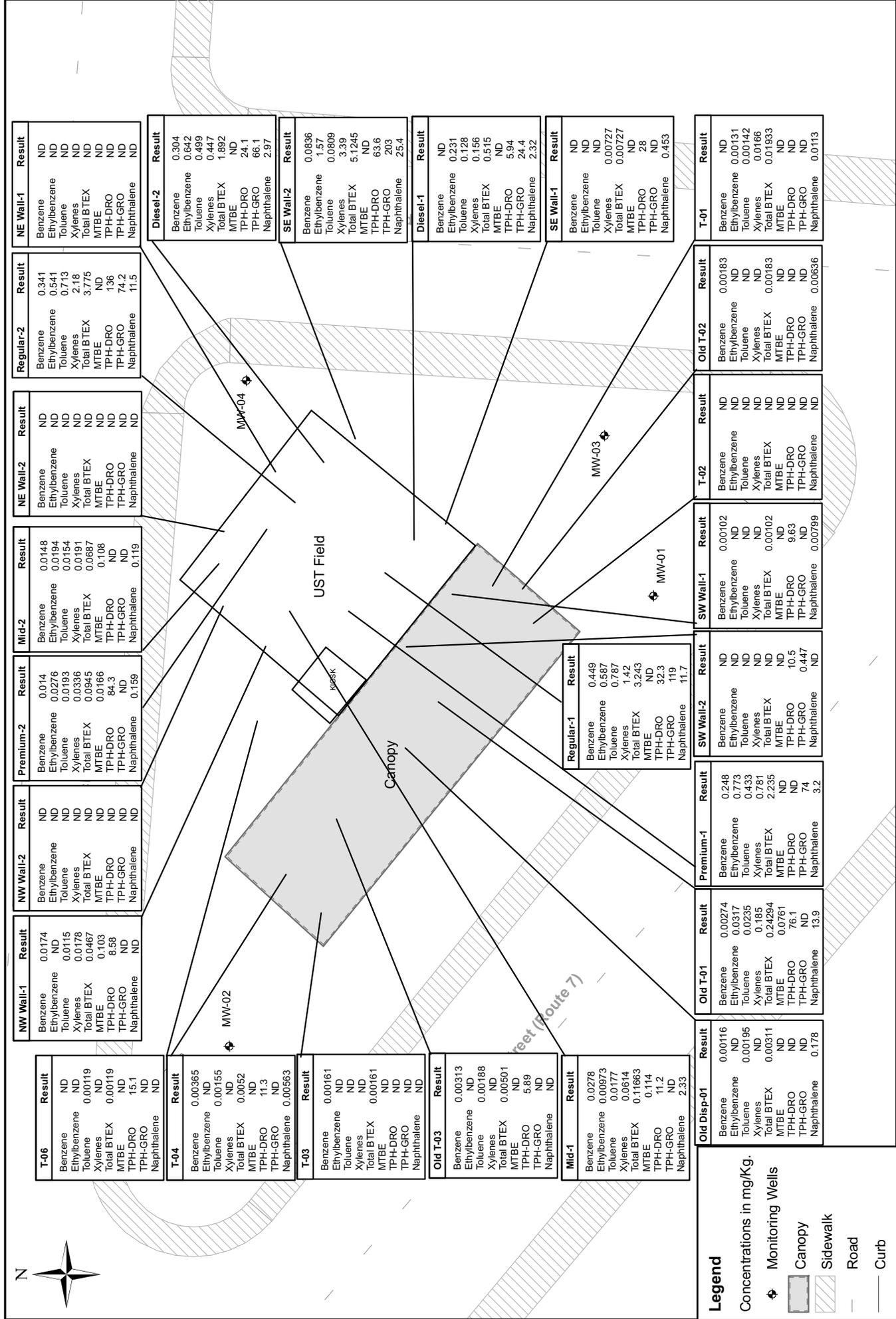
Figure 2
 Site Map
 Shell Service Station 100527
 3401 King Street
 Alexandria, VA



Legend	
	Monitoring Wells
	Road
	Curb
	Canopy
	Sidewalk

G:\Projects\Shell Station_100527\MXD
 Station_100527_Base_20071218.mxd
 Date: 12/18/07
 Created: JB
 Checked:
 Senior:





Legend

Concentrations in mg/Kg

- Monitoring Wells
- Canopy
- Sidewalk
- Road
- Curb

Figure 3
 Site Map With
 Soil Sample Locations
 Shell Service Station 100527
 3401 King Street
 Alexandria, VA

Data From: December 11, 2007

0 10 20 40 60 80 Feet

G:\Projects\Shell\Station_100527\MXD
 Station_100527_Soil_07Q4.mxd
 Date: 01/24/08
 Created: JB
 Checked:
 Senior:

URS
 200 Orchard Ridge Drive
 Gaithersburg, MD 20878

Tables

Table 1
Site Investigation Soil Sample Analytical Results
100527

<i>Sample Date</i>	<i>Sample ID</i>	<i>Analyte Name</i>	<i>Result</i>	<i>Lab Flag</i>	<i>Reporting Limit</i>	<i>Units</i>
12/6/2007						
	100527-Diesel-1					
		Benzene	ND	RL1	0.0488	mg/kg
		Toluene	0.128		0.0488	mg/kg
		Ethylbenzene	0.231		0.0488	mg/kg
		Xylenes, total	0.156		0.146	mg/kg
		Total BTEX	0.515		0.2924	mg/kg
		Methyl tert-Butyl Ether	ND	RL1	0.488	mg/kg
		Naphthalene	2.32		0.244	mg/kg
		GRO as Gasoline	24.4		4.88	mg/kg
		Diesel	5.94		4.97	mg/kg
	100527-Diesel-2					
		Benzene	0.304		0.0479	mg/kg
		Toluene	0.499		0.0479	mg/kg
		Ethylbenzene	0.642		0.0479	mg/kg
		Xylenes, total	0.447		0.144	mg/kg
		Total BTEX	1.892		0.2877	mg/kg
		Methyl tert-Butyl Ether	ND	RL1	0.479	mg/kg
		Naphthalene	2.97		0.239	mg/kg
		GRO as Gasoline	66.1		4.79	mg/kg
		Diesel	24.1		4.92	mg/kg
	100527-Premium-1					
		Benzene	0.248		0.0472	mg/kg
		Toluene	0.433		0.0472	mg/kg
		Ethylbenzene	0.773		0.0472	mg/kg
		Xylenes, total	0.781		0.142	mg/kg
		Total BTEX	2.235		0.2836	mg/kg
		Methyl tert-Butyl Ether	ND	RL1	0.472	mg/kg
		Naphthalene	3.2		0.236	mg/kg
		GRO as Gasoline	74		4.72	mg/kg
		Diesel	ND		4.86	mg/kg
	100527-Premium-2					
		Benzene	0.014		0.00094	mg/kg
		Toluene	0.0193		0.00094	mg/kg
		Ethylbenzene	0.0276		0.00094	mg/kg
		Xylenes, total	0.0336		0.00283	mg/kg
		Total BTEX	0.0945		0.00566	mg/kg
		Methyl tert-Butyl Ether	0.0166		0.00943	mg/kg
		Naphthalene	0.159		0.00472	mg/kg

Notes:
ND-Not Detected
MG/KG-Milligrams per kilogram

Lab Flags:
U-Not Detected at Reporting Limit
J-Estimated Value

Table 1
Site Investigation Soil Sample Analytical Results
100527

<i>Sample Date</i>	<i>Sample ID</i>	<i>Analyte Name</i>	<i>Result</i>	<i>Lab Flag</i>	<i>Reporting Limit</i>	<i>Units</i>
12/6/2007						
	100527-Premium-2					
		GRO as Gasoline	ND		4.72	mg/kg
		Diesel	84.3		4.86	mg/kg
	100527-Regular-1					
		Benzene	0.449		0.0485	mg/kg
		Toluene	0.787		0.0485	mg/kg
		Ethylbenzene	0.587		0.0485	mg/kg
		Xylenes, total	1.42		0.146	mg/kg
		Total BTEX	3.243		0.2915	mg/kg
		Methyl tert-Butyl Ether	ND	RL1	0.485	mg/kg
		Naphthalene	11.7		0.243	mg/kg
		GRO as Gasoline	119		4.85	mg/kg
		Diesel	32.3		4.82	mg/kg
	100527-Regular-2					
		Benzene	0.341		0.0487	mg/kg
		Toluene	0.713		0.0487	mg/kg
		Ethylbenzene	0.541		0.0487	mg/kg
		Xylenes, total	2.18		0.146	mg/kg
		Total BTEX	3.775		0.2921	mg/kg
		Methyl tert-Butyl Ether	ND	RL1	0.487	mg/kg
		Naphthalene	11.5		0.244	mg/kg
		GRO as Gasoline	74.2		4.87	mg/kg
		Diesel	136		4.86	mg/kg
	100527-SE Wall-1					
		Benzene	ND		0.00097	mg/kg
		Toluene	ND		0.00097	mg/kg
		Ethylbenzene	ND		0.00097	mg/kg
		Xylenes, total	0.00727		0.0029	mg/kg
		Total BTEX	0.00727		0.00580	mg/kg
		Methyl tert-Butyl Ether	ND		0.00967	mg/kg
		Naphthalene	0.453		0.00484	mg/kg
		GRO as Gasoline	ND		4.84	mg/kg
		Diesel	28		4.84	mg/kg
	100527-SE Wall-2					
		Benzene	0.0836		0.0479	mg/kg
		Toluene	0.0809		0.0479	mg/kg
		Ethylbenzene	1.57		0.0479	mg/kg
		Xylenes, total	3.39		1.44	mg/kg

Notes:
ND-Not Detected
MG/KG-Milligrams per kilogram

Lab Flags:
U-Not Detected at Reporting Limit
J-Estimated Value

Table 1
Site Investigation Soil Sample Analytical Results
100527

<i>Sample Date</i>	<i>Sample ID</i>	<i>Analyte Name</i>	<i>Result</i>	<i>Lab Flag</i>	<i>Reporting Limit</i>	<i>Units</i>
12/6/2007						
	100527-SE Wall-2	Total BTEX	5.1245		1.5837	mg/kg
		Methyl tert-Butyl Ether	ND	RL1	0.479	mg/kg
		Naphthalene	26.4		2.39	mg/kg
		GRO as Gasoline	203		4.79	mg/kg
		Diesel	63.6		4.82	mg/kg
12/7/2007						
	100527-Mid-1	Benzene	0.0278		0.00098	mg/kg
		Toluene	0.0177		0.00098	mg/kg
		Ethylbenzene	0.00973		0.00098	mg/kg
		Xylenes, total	0.0614		0.00295	mg/kg
		Total BTEX	0.11663		0.00590	mg/kg
		Methyl tert-Butyl Ether	0.114		0.00984	mg/kg
		Naphthalene	2.33		0.246	mg/kg
		GRO as Gasoline	ND		4.92	mg/kg
		Diesel	11.2		4.82	mg/kg
	100527-Mid-2	Benzene	0.0148		0.00094	mg/kg
		Toluene	0.0154		0.00094	mg/kg
		Ethylbenzene	0.0194		0.00094	mg/kg
		Xylenes, total	0.0191		0.00283	mg/kg
		Total BTEX	0.0687		0.00566	mg/kg
		Methyl tert-Butyl Ether	0.108		0.00943	mg/kg
		Naphthalene	0.119		0.00472	mg/kg
		GRO as Gasoline	ND		4.72	mg/kg
		Diesel	ND		4.98	mg/kg
	100527-NE Wall-1	Benzene	ND		0.001	mg/kg
		Toluene	ND		0.001	mg/kg
		Ethylbenzene	ND		0.001	mg/kg
		Xylenes, total	ND		0.003	mg/kg
		Total BTEX	ND		0.006	mg/kg
		Methyl tert-Butyl Ether	ND		0.01	mg/kg
		Naphthalene	ND		0.005	mg/kg
		GRO as Gasoline	ND		5	mg/kg
		Diesel	ND		4.95	mg/kg

Notes:
ND-Not Detected
MG/KG-Milligrams per kilogram

Lab Flags:
U-Not Detected at Reporting Limit
J-Estimated Value

Table 1
Site Investigation Soil Sample Analytical Results
100527

<i>Sample Date</i>	<i>Sample ID</i>	<i>Analyte Name</i>	<i>Result</i>	<i>Lab Flag</i>	<i>Reporting Limit</i>	<i>Units</i>
12/7/2007						
	100527-NE Wall-2					
		Benzene	ND		0.00099	mg/kg
		Toluene	ND		0.00099	mg/kg
		Ethylbenzene	ND		0.00099	mg/kg
		Xylenes, total	ND		0.00297	mg/kg
		Total BTEX	ND		0.00594	mg/kg
		Methyl tert-Butyl Ether	ND		0.0099	mg/kg
		Naphthalene	ND		0.00495	mg/kg
		GRO as Gasoline	ND		4.95	mg/kg
		Diesel	ND		4.82	mg/kg
	100527-NW Wall-1					
		Benzene	0.0174		0.00097	mg/kg
		Toluene	0.0115		0.00097	mg/kg
		Ethylbenzene	ND		0.00097	mg/kg
		Xylenes, total	0.0178		0.00292	mg/kg
		Total BTEX	0.0467		0.00584	mg/kg
		Methyl tert-Butyl Ether	0.103		0.00973	mg/kg
		Naphthalene	ND		0.00486	mg/kg
		GRO as Gasoline	ND		4.86	mg/kg
		Diesel	8.58		4.86	mg/kg
	100527-NW Wall-2					
		Benzene	ND		0.00096	mg/kg
		Toluene	ND		0.00096	mg/kg
		Ethylbenzene	ND		0.00096	mg/kg
		Xylenes, total	ND		0.00288	mg/kg
		Total BTEX	ND		0.00576	mg/kg
		Methyl tert-Butyl Ether	ND		0.0096	mg/kg
		Naphthalene	ND		0.0048	mg/kg
		GRO as Gasoline	ND		4.8	mg/kg
		Diesel	ND		4.88	mg/kg
	100527-SW Wall-1					
		Benzene	0.00102		0.00098	mg/kg
		Toluene	ND		0.00098	mg/kg
		Ethylbenzene	ND		0.00098	mg/kg
		Xylenes, total	ND		0.00292	mg/kg
		Total BTEX	0.00102		0.00585	mg/kg
		Methyl tert-Butyl Ether	ND		0.00975	mg/kg
		Naphthalene	0.00799		0.00487	mg/kg

Notes:

ND-Not Detected

MG/KG-Milligrams per kilogram

Lab Flags:

U-Not Detected at Reporting Limit

J-Estimated Value

Table 1
Site Investigation Soil Sample Analytical Results
100527

<i>Sample Date</i>	<i>Sample ID</i>	<i>Analyte Name</i>	<i>Result</i>	<i>Lab Flag</i>	<i>Reporting Limit</i>	<i>Units</i>
12/7/2007						
	100527-SW Wall-1					
		GRO as Gasoline	ND		4.87	mg/kg
		Diesel	9.63		4.94	mg/kg
	100527-SW Wall-2					
		Benzene	ND		0.00096	mg/kg
		Toluene	ND		0.00096	mg/kg
		Ethylbenzene	ND		0.00096	mg/kg
		Xylenes, total	ND		0.00288	mg/kg
		Total BTEX	ND		0.00576	mg/kg
		Methyl tert-Butyl Ether	ND		0.0096	mg/kg
		Naphthalene	ND		0.0048	mg/kg
		GRO as Gasoline	0.447		0.096	mg/kg
		Diesel	10.5		4.84	mg/kg
	100527-T-01					
		Benzene	ND		0.00097	mg/kg
		Toluene	0.00142		0.00097	mg/kg
		Ethylbenzene	0.00131		0.00097	mg/kg
		Xylenes, total	0.0166		0.0029	mg/kg
		Total BTEX	0.01933		0.00580	mg/kg
		Methyl tert-Butyl Ether	ND		0.00967	mg/kg
		Naphthalene	0.0113		0.00484	mg/kg
		GRO as Gasoline	ND		4.84	mg/kg
		Diesel	ND		4.9	mg/kg
	100527-T-02					
		Benzene	ND		0.001	mg/kg
		Toluene	ND		0.001	mg/kg
		Ethylbenzene	ND		0.001	mg/kg
		Xylenes, total	ND		0.003	mg/kg
		Total BTEX	ND		0.006	mg/kg
		Methyl tert-Butyl Ether	ND		0.01	mg/kg
		Naphthalene	ND		0.005	mg/kg
		GRO as Gasoline	ND		5	mg/kg
		Diesel	ND		4.93	mg/kg
	100527-T-03					
		Benzene	0.00161		0.00099	mg/kg
		Toluene	ND		0.00099	mg/kg
		Ethylbenzene	ND		0.00099	mg/kg
		Xylenes, total	ND		0.00296	mg/kg

Notes:
ND-Not Detected
MG/KG-Milligrams per kilogram

Lab Flags:
U-Not Detected at Reporting Limit
J-Estimated Value

Table 1
Site Investigation Soil Sample Analytical Results
100527

<i>Sample Date</i>	<i>Sample ID</i>	<i>Analyte Name</i>	<i>Result</i>	<i>Lab Flag</i>	<i>Reporting Limit</i>	<i>Units</i>
12/7/2007						
	100527-T-03					
		Total BTEX	0.00161		0.00592	mg/kg
		Methyl tert-Butyl Ether	ND		0.00986	mg/kg
		Naphthalene	ND		0.00493	mg/kg
		GRO as Gasoline	ND		4.93	mg/kg
		Diesel	ND		4.87	mg/kg
	100527-T-04					
		Benzene	0.00365		0.00097	mg/kg
		Toluene	0.00155		0.00097	mg/kg
		Ethylbenzene	ND		0.00097	mg/kg
		Xylenes, total	ND		0.00291	mg/kg
		Total BTEX	0.0052		0.00582	mg/kg
		Methyl tert-Butyl Ether	ND		0.00969	mg/kg
		Naphthalene	0.00563		0.00484	mg/kg
		GRO as Gasoline	ND		4.84	mg/kg
		Diesel	11.3		4.85	mg/kg

Notes:
ND-Not Detected
MG/KG-Milligrams per kilogram

Lab Flags:
U-Not Detected at Reporting Limit
J-Estimated Value

Appendix A
Photographic Documentation



PHOTOGRAPHIC LOG

Client Name: Motiva Enterprises, LLC		Site Location: SAP # 100527 3401 King St. Alexandria, VA	Project No.
Photo No. 1	Date: 12/07/07		
Direction Photo Taken: Northeast			
Description: Photo of excavation after removal of four USTs. Shows vents and old building foundation.			

Photo No. 2	Date: 12/7/07		
Direction Photo Taken: East			
Description: Photo of excavation after UST removal. Actual tank field was 10 ft. left of dispenser island seen on the right. Slumping gravel lead to the concrete collapsing. Conduit is for electric running from kiosk.			



PHOTOGRAPHIC LOG

Client Name: Motiva Enterprises, LLC		Site Location: SAP # 100527 3401 King St. Alexandria, VA	Project No.
Photo No. 3	Date: 12/7/07		
Direction Photo Taken: North			
Description: Photo of excavation post-removal. Small pool of groundwater can be seen at the bottom of the excavation.			

Photo No. 4	Date: 12/7/07		
Direction Photo Taken: South			
Description: Photo of trench dug to remove product lines that ran to dispensers on the east side of the station.			



PHOTOGRAPHIC LOG

Client Name: Motiva Enterprises, LLC		Site Location: SAP # 100527 3401 King St. Alexandria, VA	Project No.
Photo No. 5	Date: 12/7/07		
Direction Photo Taken: Vertically Down			
Description: Photo taken of dispenser island showing trench which held product lines.			

Photo No. 6	Date: 12/7/07	
Direction Photo Taken: Southeast		
Description: Photo of stockpiled pea-gravel excavated from tank field. Plastic sheeting was used on the bottom and top of pile to prevent runoff.		



PHOTOGRAPHIC LOG

Client Name: Motiva Enterprises, LLC	Site Location: SAP # 100527 3401 King St. Alexandria, VA	Project No.
--	--	--------------------

Photo No. 7	Date: 12/7/07
-----------------------	-------------------------

Direction Photo Taken:

Southeast

Description:

Photo of subcontractors loading UST onto tractor trailer bed. All four tanks were the same size and of the same condition.



Photo No. 8	Date: 12/10/07
-----------------------	--------------------------

Direction Photo Taken:

West

Description:

Photo of station kiosk. Due to its proximity to the tank field, no gravel was excavated near the kiosk in order to prevent damage to the building or its foundation.



Client Name: Motiva Enterprises, LLC		Site Location: SAP # 100527 3401 King St. Alexandria, VA	Project No.
Photo No. 9	Date: 12/10/07		
Direction Photo Taken: Northwest			
Description: Better look at the corner of kiosk near tank field. Also shown is the trench which held product lines running to the dispensers on the west side of the station.			

Photo No. 10	Date: 12/10/07		
Direction Photo Taken: West			
Description: Photo of old product lines from previous station. These ran to the current tank field but were not connected to anything. Single-walled lines.			

Client Name: Motiva Enterprises, LLC	Site Location: SAP # 100527 3401 King St. Alexandria, VA	Project No.
--	--	--------------------

Photo No. 11	Date: 12/10/07
------------------------	--------------------------

Direction Photo Taken:

South

Description:

Photo of 'T' where old product lines split to head toward east dispensers (left) and in front of kiosk (right).



Photo No. 12	Date: 12/10/07
------------------------	--------------------------

Direction Photo Taken:

Southwest

Description:

Photo of subcontractors digging up old product lines. Center of photo is immediately in front of the south side of the kiosk. Lines ran to old dispenser sump box and further west to current dispensers.



Appendix B
VDEQ Notification for Storage Tanks Form 7530-2

Notification for Underground Storage Tanks (USTs)

Virginia DEQ Water Form 7530-2

(See reverse for mailing instructions)

Rev. (01/03)

STATE USE ONLY

ID Number

Date Received

Date Entered

Entered By

Comments

PART I: PURPOSE OF NOTIFICATION

✓ **Check all that apply:**

- | | | |
|--|--|--|
| <input type="checkbox"/> New (not previously registered) facility | <input type="checkbox"/> Temporary closure | <input type="checkbox"/> Change in tank contents |
| <input type="checkbox"/> New tank(s) at previously registered facility | <input type="checkbox"/> Tank removal or closure | <input type="checkbox"/> New owner |
| <input type="checkbox"/> Change in tanks (e.g., upgrade) | <input type="checkbox"/> Piping removal or closure | <input type="checkbox"/> Change in owner address |
| <input type="checkbox"/> Change in piping (e.g., upgrade) | <input type="checkbox"/> Other (specify): | |

PART II: OWNERSHIP OF TANKS

PART III: LOCATION OF TANKS

A. Owner Name

A. Facility Name

B. Owner Address

B. Facility Street Address (P.O. Box not acceptable)

C. City, State, Zip

C. City, Zip

D. Name of Contact Person

D. County or Municipality where Facility is Located

E. Title of Contact Person

E. Name of Contact Person

F. Phone Number

Fax Number

()

()

F. Title of Contact Person

G. E-mail Address

G. Phone Number

Fax Number

()

()

H. Name of Previous Owner

H. E-mail Address

PART IV: TYPE OF OWNER

PART V: TYPE OF FACILITY

- | | | | | | |
|---|-------------------------------------|--|---|--|------------------------------------|
| <input type="checkbox"/> Federal government | <input type="checkbox"/> Commercial | <input type="checkbox"/> Retail gas station | <input type="checkbox"/> Federal non-military | <input type="checkbox"/> Commercial (non-resale) | <input type="checkbox"/> Residence |
| <input type="checkbox"/> State government | <input type="checkbox"/> Private | <input type="checkbox"/> Petroleum distributor | <input type="checkbox"/> Federal military | <input type="checkbox"/> Industrial | <input type="checkbox"/> Farm |
| <input type="checkbox"/> Local government | | <input type="checkbox"/> Local government | <input type="checkbox"/> State government | <input type="checkbox"/> Other _____ | |

PART VI: FINANCIAL RESPONSIBILITY

The tank owner has met the financial responsibility requirements contained in 9 VAC 25-590-10 et seq. using the following methods/mechanisms

- | | | | |
|---|--------------------------------------|---|---|
| <input type="checkbox"/> Self Insurance | <input type="checkbox"/> Insurance | <input type="checkbox"/> Letter of Credit | <input type="checkbox"/> Virginia Petroleum Storage Tank Fund |
| <input type="checkbox"/> Guarantee | <input type="checkbox"/> Surety Bond | <input type="checkbox"/> Trust Fund | |

PART VII: OWNER CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I understand that the owner of the underground storage tanks hereby registered is responsible for compliance with the requirements of Virginia Regulations 9 VAC 25-580-10 et seq. and federal regulation 40 CFR Part 280, among other requirements. I warrant and represent that I am the owner or that I have the authority to sign this certification on behalf of the owner. I understand that this notification form is sufficient evidence to establish ownership of tanks subject to 9 VAC 25-580-10 et seq.

Name and Title (Type or Print)

Signature

Date

PART VIII: INSTALLER CERTIFICATION

I certify that the installation of this tank was performed in accordance with all federal, state and local installation requirements. I warrant and represent that I am the installer or that I have the authority to sign this certification on behalf of the installer.

Name and Title (Type or Print)

Signature

Date

Company Name

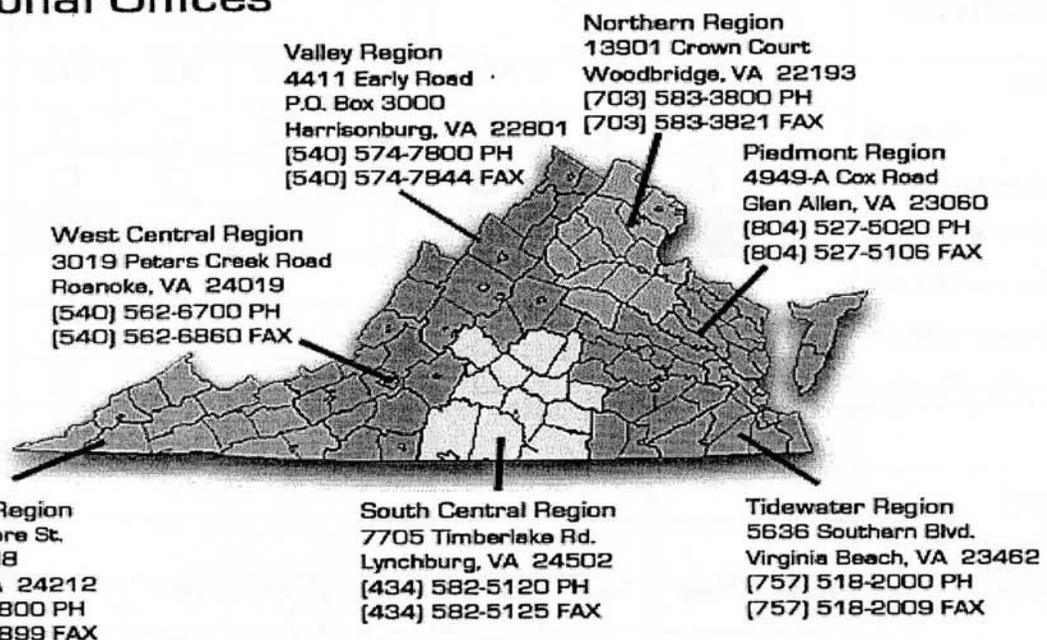
Address

Telephone Number

PART IX: TANK DESCRIPTION FOR NEW INSTALLATIONS AND AMENDMENTS

Owner Tank Identification Number										
DEQ Tank Identification Number										
Tank Status	<input type="checkbox"/> New Tank <input type="checkbox"/> Amendment									
Date of Installation (MM/DD/YYYY)										
Date of Amendment (MM/DD/YYYY)										
Tank Capacity (Gallons)										
Substance stored (if hazardous, include CERCLA name and/or CAS number)										
Material of Construction (v all that apply)	Tank	Piping								
Fiberglass Reinforced Plastic	<input type="checkbox"/>									
Coated and Cathodically Protected/STI-P3®	<input type="checkbox"/>									
Double Walled	<input type="checkbox"/>									
Impressed Current System Steel	<input type="checkbox"/>									
Composite (Steel Clad with Fiberglass)/ACT 100 @	<input type="checkbox"/>									
Lined Interior	<input type="checkbox"/>									
Polyethylene Tank Jacket	<input type="checkbox"/>									
Concrete	<input type="checkbox"/>									
Excavation Liner	<input type="checkbox"/>									
Asphalt Coated or Bare Steel	<input type="checkbox"/>									
Secondary Containment		<input type="checkbox"/>								
Polyflexible piping		<input type="checkbox"/>								
Galvanized Steel		<input type="checkbox"/>								
Other (specify)										
Has tank/piping been repaired?	<input type="checkbox"/>									
Piping Type	Tank	Piping								
Safe Suction (No Check Valve at Tank)		<input type="checkbox"/>								
U.S. Suction (Check Valve at Tank)		<input type="checkbox"/>								
Pressure		<input type="checkbox"/>								
Gravity Fed		<input type="checkbox"/>								
Release Detection	Tank	Piping								
Manual Tank Gauging	<input type="checkbox"/>									
Tightness Testing	<input type="checkbox"/>									
Inventory Control	<input type="checkbox"/>									
Automatic Tank Gauging	<input type="checkbox"/>									
Vapor Monitoring	<input type="checkbox"/>									
Groundwater Monitoring	<input type="checkbox"/>									
Interstitial Monitoring-Double Walled	<input type="checkbox"/>									
Interstitial Monitoring-Secondary Containment	<input type="checkbox"/>									
Automatic Line Leak Detectors		<input type="checkbox"/>								
Statistical Inventory Reconciliation	<input type="checkbox"/>									
Other (specify)										
Spill Containment & Overfill Prevention	Tank	Piping								
Spill Containment/Bucket	<input type="checkbox"/>									
Overfill Automatic Shutoff	<input type="checkbox"/>									
Overfill Alarm	<input type="checkbox"/>									
Overfill Ball Float Valve	<input type="checkbox"/>									

Virginia Department of Environmental Quality Regional Offices



Mail notifications to the DEQ Regional Office serving the city or county where the USTs are located.

Regional Offices

Counties and Cities

Regional Offices	Counties and Cities
Northern Regional Office	<p>Counties Arlington, Caroline, Culpeper, Fairfax, Fauquier, King George, Loudoun, Madison, Orange, Prince William, Rappahannock, Spotsylvania, Stafford, Louisa</p> <p>Cities Alexandria, Falls Church, Fairfax, Fredericksburg, Manassas, Manassas Park</p>
Piedmont Regional Office	<p>Counties Amelia, Brunswick, Charles City, Chesterfield, Dinwiddie, Essex, Gloucester, Goochland, Greensville, Hanover, Henrico, King and Queen, King William, Lancaster, Mathews, Middlesex, New Kent, Northumberland, Powhatan, Prince George, Richmond, Surry, Sussex, Westmoreland</p> <p>Cities Colonial Heights, Emporia, Hopewell, Petersburg, Richmond</p>
South Central Regional Office	<p>Counties Amherst, Appomattox, Buckingham, Campbell, Charlotte, Cumberland, Halifax, Lunenburg, Mecklenburg, Nottoway, Prince Edward, Pittsylvania</p> <p>Cities Danville, Lynchburg</p>
Valley Regional Office	<p>Counties Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren</p> <p>Cities Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester</p>
Southwest Regional Office	<p>Counties Bland, Buchanan, Carroll, Dickenson, Grayson, Lee, Russell, Scott, Smyth, Tazewell, Washington, Wise, Wythe</p> <p>Cities Bristol, Galax, Norton</p>
West Central Regional Office	<p>Counties Alleghany, Bedford, Botetourt, Craig, Floyd, Franklin, Giles, Henry, Montgomery, Patrick, Pulaski, Roanoke, Bedford</p> <p>Cities Clifton Forge, Covington, Martinsville, Radford, Roanoke, Salem</p>
Tidewater Regional Office	<p>Counties Accomack, Isle of Wight, James City, Northampton, Southampton, York</p> <p>Cities Chesapeake, Franklin, Hampton, Newport News, Norfolk, Portsmouth, Poquoson, Suffolk, Virginia Beach, Williamsburg</p>

Appendix C
Local Government Tank Closure Permit



CITY OF ALEXANDRIA
 Code Enforcement Bureau
 301 King Street, Suite 4200
 Alexandria, Virginia 22314
 (703) 838-4360



DEMOLITION PERMIT

CASE NUMBER: DEM2007-00027 ISSUED: 6/20/2007 EXPIRES: 12/20/2007

SITE ADDRESS: 3401 KING ST PROJECT NAME:
 PARCEL NO: 17535500
 MAP: 032.01 BLOCK: 04 LOT: 01.0
 ZONING: RB TRACT: 2009.00

PROJECT DESCRIPTION:
 EXCAVATE AND REMOVE FOUR EXISTING 10000 GALLON UNDERGROUND STORAGE TANKS AND ALL ASSOCIATED PIPING. REMOVE THE FOUR EXISTING FUELING DISPENSERS. BACKFILL ALL DISTURBE AREAS TO GRADE.

OWNER INFORMATION:
 Owner
 AUDREY D D
 PO BOX 4369 %EQUIVA SVCS LLC -
 DEPT
 HOUSTON TX 772104369
 Phone Information:
 No Phone Number on Record

CONTRACTOR INFORMAT
 Contractor
 H & H CONCRETE CONSTRUCTI
 1000 E. RIDGEVILLE BLVD
 MOUNT AIRY MD 21771
 Phone Contacts: 831-7200
 Primary Phone -- 301-837-7200
 Secondary Phone # - - 410-365-2089
 License Information:
 License Type: CONA
 License Number: 2705076932
 License Exp. Date: 2007/06/30 00:00:00.00

DEMOLITION:
 DWELLING UNITS DEMOLISHED: TYPE OF MATERIAL: CON
 NUMBER OF STORIES: TYPE OF OCCUPANCY: COM

FEE:	Type	Amount
	Demolition Permit Fee	\$400.00
	State surcharge	\$7.00
	Total	\$407.00

FOR AND IN CONSIDERATION OF THE GRANTING OF THIS PERMIT TO THE STATED PERMITTEE, THE SAID PERMITTEE EXPRESSLY PROMISES AND AGREES TO SAVE THE CITY OF ALEXANDRIA FREE AND HARMLESS FROM ANY LIABILITY WHATSOEVER RESULTING FROM ANY WORK OR OPERATION OF ANY DESCRIPTION CONDUCTED UNDER AUTHORITY OF THIS PERMIT.

RIGHT IS RESERVED TO INSPECT WORK AUTHORIZED BY THIS PERMIT AS OFTEN AS NECESSARY TO DETERMINE COMPLIANCE WITH THE VIRGINIA UNIFORM STATEWIDE BUILDING CODE.

AUTHORIZATION TO ALTER, USE OR CROSS PUBLIC SIDEWALKS, CURBS, OR OTHER PUBLIC SPACES MUST BE OBTAINED FROM THE DEPARTMENT OF TRANSPORTATION AND ENVIRONMENTAL SERVICES.

THIS PERMIT EXPIRES IF WORK IS NOT STARTED OR IF WORK IS ABANDONED FOR SIX MONTHS.

INSPECTORS CAN BE REACHED 7:30-8:15 AT (703)-838-4360

BUILDING OFFICIAL John D. Collett

CITY OF ALEXANDRIA, VIRGINIA

CODE ENFORCEMENT BUREAU

301 KING STREET Rm 4200

ALEXANDRIA, VIRGINIA 22314

DEMOLITION INSPECTION TICKET

PHONE: (703) 838-4360

ACCESS: (703) 838-4900

Permit: DEM2007-00027

Master Permit: DEM2007-00027

Job Location: 3401 KING ST

Work Description: EXCAVATE AND REMOVE FOUR EXISTING 10000 GALLON UNDERGROUND STORAGE TANKS AND ALL ASSOCIATED PIPING. REMOVE THE FOUR EXISTING FUELING DISPENSERS. BACKFILL ALL DISTURBE AREAS TO GRADE.

Notes:

Project Name: TANK PETROLEUM

Owner: DAG REAL ESTATE HOLDING

Contractor: H & H CONCRETE CONSTRUCTI

Construction Type: N/A Use Group: N/A

Type of Inspection: Insp - FINAL DEMOLITION

Dates: Requested: 12/6/2007 Scheduled: 12/7/2007 Inspected:

Inspector Assigned: DED

DETAILED COMMENTS OR ACTIONS:

Removed All 4 Tanks - Took Soil Samples - And Piping

Send Report To our Office

INSPECTED ITEMS CONFORM TO APPROVED DRAWINGS { } YES { } NO { } N/A

ACTIONS: APPROVED DISAPPROVED DIDN'T INSPECT STOP WORK ORDER SURVEY

SERVED ON (NAME): DATE:

SERVED BY (NAME): DATE: 12-7-07

* NOTICE: This document IS NOT a Certificate of Occupancy, and DOES NOT
* serve as proof that a Certificate of Occupancy for this structure has
* been issued by the Building Official. Occupancy of this structure without
* an issued Certificate of Occupancy constitutes a violation of the
* Building Code

Appendix D
Liquid Disposal Manifests

SHIPPING DOCUMENT

Manifest Document #:

Document #: **039037**

Generator *H&H Concrete (Perma-Fix) Site A7*
 US EPA ID#: *MD0985397124*
 Address *701 Mill St*
 City *Alexandria* State *VA* Zip *22304*
 Contact *John* Phone *410-365-2097*
 Transporter 1: *AAA Environmental*
 US EPA ID#: *MD0985397124* Phone *800-404-8037*
 Transporter 2:
 US EPA ID#: Phone

Facility: A & A Environmental/Perma-Fix
 US EPA ID# *MDD985397124*
 1500 Carbon Avenue, Baltimore, MD 21226 (800) 404-8037
 195 Wyche Road, Stafford, VA 22554 (877) 441-6930
 702-D Naylor Mill Rd, Salisbury, MD 21801 (800) 411-3353
 Other Facility _____
 US EPA ID# _____
 Address _____
 City _____ State _____ Zip _____

Non RCRA/Non DOT Regulated Materials-Solids

Line	Profile #
<input type="checkbox"/> Spill Debris	25000A
<input checked="" type="checkbox"/> Tank Bottoms	23000C
<input type="checkbox"/> Soil, Petroleum	24000A
<input type="checkbox"/> Soil, Gasoline for Recycling	24000F
<input type="checkbox"/> Sorbents, Gasoline for Recycling	24000G
<input type="checkbox"/> Sorbents, Jet Fuel	24000H
<input type="checkbox"/> Sorbents, Oil	24000I
<input type="checkbox"/> Oil, Sludge	23000A
<input type="checkbox"/> Gasoline, Sludge for Recycling	23000B
<input type="checkbox"/> Industrial Sludge	23000D
<input type="checkbox"/> Construction Debris	25000B
<input type="checkbox"/> Fly Ash	24000B
<input type="checkbox"/> Scale	24000C
<input type="checkbox"/> Gasoline Filters for Recycling	24000E
<input type="checkbox"/> Oil Filters for Recycling	24300A
<input type="checkbox"/> Empty Drums	24400A
<input type="checkbox"/> Sandblast Media	24500A
<input type="checkbox"/> Other	

Non RCRA/Non DOT Regulated Materials-Liquids

Line	Profile #
<input type="checkbox"/> Wastewaters	20020A
<input type="checkbox"/> Oil, Water for Recycling	21050A
<input type="checkbox"/> Oil for Recycling	21050B
<input type="checkbox"/> Oil, Water, Sludge for Recycling	21050C
<input type="checkbox"/> Mineral Oil for Recycling	21050D
<input type="checkbox"/> Glycols for Recycling	21070A
<input type="checkbox"/> Diesel, Water for Recycling	22070F
<input type="checkbox"/> Kerosene, Water for Recycling	22070D
<input type="checkbox"/> Commercial Contact Water	20020B
<input type="checkbox"/> Other	

DOT Regulated/Non RCRA Materials - Liquids

Line	Profile #
<input type="checkbox"/> Gasoline Mixture for Recycling	
<input type="checkbox"/> 3,UN1203,PGII ERG #128	22070A
<input type="checkbox"/> Gasoline for Recycling	
<input type="checkbox"/> 3,UN1203,PGII ERG #128	22070B
<input type="checkbox"/> Combustible Liquid	
<input type="checkbox"/> NOS,NA 1993,PGII ERG #128	22070C
<input type="checkbox"/> Diesel Fuel	
<input type="checkbox"/> 3,NA 1993,PGIII ERG #128	22070G
<input type="checkbox"/> Fuel, Aviation, Turbine Engine	
<input type="checkbox"/> 3,UN1863,PGII ERG #128	22070H
<input type="checkbox"/> Kerosene	
<input type="checkbox"/> 3,UN1223,PGIII ERG #128	22070E
<input type="checkbox"/> Other	

Additional Information:

0/1000 0/1000

TRK99

24 Hr Emergency# (800) 404-8037

Line	Profile No.	Containers		Total Quantity	Unit Wt./Vol.	Quantity Liquid	Quantity Solid	Quantity Sludge	Notes
		No.	Type						
<i>4</i>	<i>30000C</i>	<i>001</i>	<i>TI</i>	<i>3.5</i>	<i>Gal.</i>	<i>/</i>	<i>/</i>	<i>/</i>	<i>/</i>

Generator's Certification: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste. I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable and national government regulations.

Type/Print Name: _____ Signature: _____ Month Day Year: _____

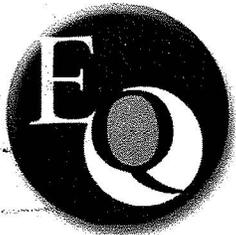
Transporter 1 Acknowledgement of Receipt of Materials
 Type/Print Name: _____ Signature: _____ Month Day Year: _____

Transporter 2 Acknowledgement of Receipt of Materials
 Type/Print Name: _____ Signature: _____ Month Day Year: _____

Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of materials covered by this manifest except as noted in Discrepancy area above.

Type/Print Name: _____ Signature: _____ Month Day Year: _____



E Q NORTHEAST INC.

185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093
TEL. 508-384-6151 FAX 508-384-6028

3510 FAIRFIELD ROAD
PO BOX 19788
BALTIMORE, MD 21225
TEL. 410-355-7000 FAX 410-355-7769

43 1/2 COLONY STREET
SUITE 4, PO BOX 883
MERIDEN, CT 06451
TEL 203-630-2472 FAX 203-630-2530

WORK ORDER #

EPA I.D. # MAD084814136 — D.O.T. # 157372

BILL TO: Shell Oil Products US Env. Services Invoice Attn: Accts Payable Houston TX	JOB #	ORIGIN Shell Oil Products US 3401 King St Alexandria VA	DESTINATION International Petroleum EPA ID # DED 98403692 505 South Market St Wilmington DE
--	--------------	---	--

EMERGENCY RESPONSE TEL. # MANIFEST/DOCUMENT NUMBER	1-800-424-9300	PICK-UP DATE & TIME	PURCHASE ORDER #	FACILITY W/O #	OFF LOAD DATE/TIME
--	-----------------------	--------------------------------	-------------------------	-----------------------	---------------------------

# UNITS	TYPE	HM	DESCRIPTION OF ARTICLES	QUANTITY	PER UNIT	AMOUNT
1	TT	X	Petroleum Products, N.O.S., 3 UN 1268 PG III - contains app 5 gals of recovered product	5018		

EQUIPMENT CERTIFICATION

CUSTOMER VERIFIES THAT: TANKER # _____ TRAILER # _____ ROLL-OFF CONTAINER # _____ W/LINER? _____

IS CLEAN AND SUITABLE FOR THE TRANSPORTATION, STORAGE OR SERVICE TO BE PROVIDED.

DRIVER'S SIG. _____ DATE: _____ CUSTOMER'S SIG. _____ DATE: _____

PICK UP	DATE	TIME	EXPLANATION OF LOADING TIME
ARRIVE AT SHIPPER	12-18	1:00 pm	pump ground water from excavation
START LOADING			
FINISH LOADING			
LEAVE SITE		3:30 pm	

SHIPMENT RECEIVED IN APPARENT GOOD ORDER (CONTENTS AND CONDITION OF CONTENTS UNKNOWN) SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM STRAIGHT BILL OF LADING AND ANY GOVERNING CLASSIFICATIONS AND TARIFFS LAWFULLY ON FILE ON THE DATE OF SHIPMENT

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

DRIVER: *[Signature]* DATE: 12-18-07 SHIPPER: *[Signature]* DATE: 12/18/07

DELIVERY	DATE	TIME	EXPLANATION OF UNLOADING TIME
ARRIVE AT SITE			
BEGIN UNLOADING			
FINISH UNLOADING			
LEAVE SITE			

DRIVER: _____ DATE: _____ RECEIVER: _____ DATE: _____

ADDITIONAL INSTRUCTIONS OR COMMENTS

START TRIP (DATE & TIME)	FINISH TRIP (DATE & TIME)
--------------------------	---------------------------



E Q NORTHEAST INC.

185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093
TEL. 508-384-6151 FAX 508-384-6028

3510 FAIRFIELD ROAD
PO BOX 19788
BALTIMORE, MD 21225
TEL. 410-355-7000 FAX 410-355-7769

43 1/2 COLONY STREET
SUITE 4, PO BOX 883
MERIDEN, CT 06451
TEL 203-630-2472 FAX 203-630-2530

WORK ORDER #

EPA I.D. # MAD084814136 — D.O.T. # 157372

BILL TO: Sopus Cost # 10057 Houston, TX	JOB #	ORIGIN Shell Oil Products US 10057 3401 King St. Alexandria, VA 22302 Rpt 66282 Tel: 29772045	DESTINATION International Petroleum Corp 305 South Market St Wilmington DE 19801 DE 2984073692
EMERGENCY RESPONSE TEL. #	508-384-6151	PICK-UP DATE & TIME	PURCHASE ORDER #
MANIFEST/DOCUMENT NUMBER		FACILITY W/O #	OFF LOAD DATE/TIME

# UNITS	TYPE	HM	DESCRIPTION OF ARTICLES	QUANTITY	PER UNIT	AMOUNT
1	TT	X	UN 1008, Petroleum Product, N.O.S., 3 DGN DRG #105	1	G	2536

EQUIPMENT CERTIFICATION

CUSTOMER VERIFIES THAT: TANKER # 416 TRAILER # _____ ROLL-OFF CONTAINER # _____ W/LINER? _____

IS CLEAN AND SUITABLE FOR THE TRANSPORTATION, STORAGE OR SERVICE TO BE PROVIDED.

DRIVER'S SIG: Dean Michael DATE: 1/3/08 CUSTOMER'S SIG: [Signature] DATE: 1/3/08

PICK UP	DATE	TIME	EXPLANATION OF LOADING TIME
ARRIVE AT SHIPPER	1/3/08	12:00	
START LOADING	1/3/08	12:15	Roll load out of free tank to #416
FINISH LOADING	1/3/08	12:45	
LEAVE SITE	1/3/08		

SHIPMENT RECEIVED IN APPARENT GOOD ORDER (CONTENTS AND CONDITION OF CONTENTS UNKNOWN) SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM STRAIGHT BILL OF LADING AND ANY GOVERNING CLASSIFICATIONS AND TARIFFS LAWFULLY ON FILE ON THE DATE OF SHIPMENT

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

DRIVER: Dean Michael DATE: 1/3/08 SHIPPER: [Signature] DATE: 1/3/08

DELIVERY	DATE	TIME	EXPLANATION OF UNLOADING TIME
ARRIVE AT SITE			
BEGIN UNLOADING			
FINISH UNLOADING			
LEAVE SITE			

DRIVER: _____ DATE: _____ RECEIVER: _____ DATE: _____

ADDITIONAL INSTRUCTIONS OR COMMENTS

START TRIP (DATE & TIME)	FINISH TRIP (DATE & TIME)
--------------------------	---------------------------



E Q NORTHEAST INC.

185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093
TEL. 508-384-6151 FAX 508-384-6028

3510 FAIRFIELD ROAD
PO BOX 19788
BALTIMORE, MD 21225
TEL. 410-355-7000 FAX 410-355-7769

43 1/2 COLONY STREET
SUITE 4, PO BOX 883
MERIDEN, CT 06451
TEL 203-630-2472 FAX 203-630-2530

WORK ORDER #

EPA I.D. # MAD084814136 — D.O.T. # 157372

BILL TO: Sopus Cust # 10157 Houston, TX	JOB #	ORIGIN Shell Oil Products 3401 King St Newport, VA 22302 PIPR 66282; Terminal # 9770418	DESTINATION Transworld Petroleum Corp 505 South Market St Wilmington, DE 19801 DLD 084673692
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EMERGENCY RESPONSE TEL. # →

MANIFEST/DOCUMENT NUMBER

508-384-6151

PICK-UP DATE & TIME	PURCHASE ORDER #
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FACILITY W/O #	OFF LOAD DATE/TIME
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# UNITS	TYPE	HM	DESCRIPTION OF ARTICLES	QUANTITY	PER UNIT	AMOUNT
1	TT	X	UN 1868, Petroleum Products, M.O.S. 3, P611 ERG 138	2770	G	2770
				nd 3 8nd		2080
				800		2878
				WGT	EMZ	

EQUIPMENT CERTIFICATION

CUSTOMER VERIFIES THAT: TANKER # 416 TRAILER # _____ ROLL-OFF CONTAINER # _____ W/LINER? _____

IS CLEAN AND SUITABLE FOR THE TRANSPORTATION, STORAGE OR SERVICE TO BE PROVIDED.

DRIVER'S SIG. Dean Michael DATE: 1/4/08 CUSTOMER'S SIG. [Signature] DATE: 1/4/08

PICK UP	DATE	TIME	EXPLANATION OF LOADING TIME
ARRIVE AT SHIPPER	1/4/08	7:44	
START LOADING	1/4/08	7:55	
FINISH LOADING	1/4/08	8:20	
LEAVE SITE	1/4/08	8:30	

SHIPMENT RECEIVED IN APPARENT GOOD ORDER (CONTENTS AND CONDITION OF CONTENTS UNKNOWN) SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM STRAIGHT BILL OF LADING AND ANY GOVERNING CLASSIFICATIONS AND TARIFFS LAWFULLY ON FILE ON THE DATE OF SHIPMENT

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DRIVER: Dean Michael DATE: 1/4/08 SHIPPER: [Signature] DATE: 1/4/08

DELIVERY	DATE	TIME	EXPLANATION OF UNLOADING TIME
ARRIVE AT SITE			
BEGIN UNLOADING			
FINISH UNLOADING			
LEAVE SITE			

DRIVER: Dean Michael DATE: _____ RECEIVER: _____ DATE: _____

ADDITIONAL INSTRUCTIONS OR COMMENTS

START TRIP (DATE & TIME)	FINISH TRIP (DATE & TIME)
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EQ NORTHEAST INC.

185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093
TEL. 508-384-6151 FAX 508-384-6028

3510 FAIRFIELD ROAD
PO BOX 19788
BALTIMORE, MD 21225
TEL. 410-355-7000 FAX 410-355-7769

43 1/2 COLONY STREET
SUITE 4, PO BOX 883
MERIDEN, CT 06451
TEL 203-630-2472 FAX 203-630-2530

WORK ORDER #

EPA I.D. # MAD084814136 — D.O.T. # 157372

BILL TO: SOPS Cost # 10137 Houston, TX	JOB #	ORIGIN Shell Oil Products 3401 King St. Alexandria, VA. 22304 RTR 66380, Inc. # 1977004	DESTINATION International Petroleum Corp 305 South Market St Wilmington, DE. 19801 JED 984073692
EMERGENCY RESPONSE TEL. #	308-384-6151		
MANIFEST/DOCUMENT NUMBER	PICK-UP DATE & TIME	PURCHASE ORDER #	FACILITY W/O #
			OFF LOAD DATE/TIME

# UNITS	TYPE	HM	DESCRIPTION OF ARTICLES	QUANTITY	PER UNIT	AMOUNT
1	TX		UN 1268, Petroleum Products, N.O.S. 3, P011 ARG. # 08	3005	G	

EQUIPMENT CERTIFICATION

CUSTOMER VERIFIES THAT: TANKER # 416 TRAILER # _____ ROLL-OFF CONTAINER # _____ W/LINER? _____

IS CLEAN AND SUITABLE FOR THE TRANSPORTATION, STORAGE OR SERVICE TO BE PROVIDED.

DRIVER'S SIG. Dean Michael DATE: 1/4/08 CUSTOMER'S SIG. [Signature] DATE: 1/4/08

PICK UP	DATE	TIME	EXPLANATION OF LOADING TIME
ARRIVE AT SHIPPER			
START LOADING			
FINISH LOADING			
LEAVE SITE			

SHIPMENT RECEIVED IN APPARENT GOOD ORDER (CONTENTS AND CONDITION OF CONTENTS UNKNOWN) SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM STRAIGHT BILL OF LADING AND ANY GOVERNING CLASSIFICATIONS AND TARIFFS LAWFULLY ON FILE ON THE DATE OF SHIPMENT

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

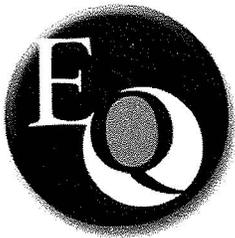
DRIVER: Dean Michael DATE: 1/4/08 SHIPPER: [Signature] DATE: 1/4/08

DELIVERY	DATE	TIME	EXPLANATION OF UNLOADING TIME
ARRIVE AT SITE			
BEGIN UNLOADING			
FINISH UNLOADING			
LEAVE SITE			

DRIVER: _____ DATE: _____ RECEIVER: _____ DATE: _____

ADDITIONAL INSTRUCTIONS OR COMMENTS

START TRIP (DATE & TIME)	FINISH TRIP (DATE & TIME)
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E Q NORTHEAST INC.

185 INDUSTRIAL ROAD
PO BOX 617
WRENTHAM, MA 02093
TEL. 508-384-6151 FAX 508-384-6028

3510 FAIRFIELD ROAD
PO BOX 19788
BALTIMORE, MD 21225
TEL. 410-355-7000 FAX 410-355-7769
EPA I.D. # MAD084814136 — D.O.T. # 157372

43 1/2 COLONY STREET
SUITE 4, PO BOX 883
MERIDEN, CT 06451
TEL 203-630-2472 FAX 203-630-2530

WORK ORDER #

BILL TO: **JOB #**
Sopus
Cust # 10137
HOUSTON, TX

ORIGIN
100527
Shell oil products us.
3401 King St.
ALEXANDRIA, VA 22302
RIPR 66282 Incident 9773498

DESTINATION
International Petroleum
505 South market st.
Wilmington, DE 19801
DEB 88407369Z

EMERGENCY RESPONSE TEL. # →
MANIFEST/DOCUMENT NUMBER

PICK-UP DATE & TIME PURCHASE ORDER #

FACILITY W/O # OFF LOAD DATE/TIME

# UNITS	TYPE	HM	DESCRIPTION OF ARTICLES	QUANTITY	PER UNIT	AMOUNT
1	TT	X	VW1248, Petroleum Products NOS. 376II ERG # 128	2536	G	2536

EQUIPMENT CERTIFICATION

CUSTOMER VERIFIES THAT: TANKER # 416 TRAILER # _____ ROLL-OFF CONTAINER # _____ W/LINER? _____

IS CLEAN AND SUITABLE FOR THE TRANSPORTATION, STORAGE OR SERVICE TO BE PROVIDED.

DRIVER'S SIG. Dean Michael DATE: 1/7/08 CUSTOMER'S SIG. [Signature] DATE: 1/7/08

PICK UP	DATE	TIME	EXPLANATION OF LOADING TIME
ARRIVE AT SHIPPER			
START LOADING			
FINISH LOADING			
LEAVE SITE			

SHIPMENT RECEIVED IN APPARENT GOOD ORDER (CONTENTS AND CONDITION OF CONTENTS UNKNOWN) SUBJECT TO THE TERMS AND CONDITIONS OF THE UNIFORM STRAIGHT BILL OF LADING AND ANY GOVERNING CLASSIFICATIONS AND TARIFFS LAWFULLY ON FILE ON THE DATE OF SHIPMENT

THIS IS TO CERTIFY THAT THE ABOVE NAMED MATERIALS ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED AND LABELED AND ARE IN PROPER CONDITION FOR TRANSPORTATION ACCORDING TO THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION

DRIVER: Dean Michael DATE: 1/7/08 SHIPPER: [Signature] DATE: 1/7/08

DELIVERY	DATE	TIME	EXPLANATION OF UNLOADING TIME
ARRIVE AT SITE			
BEGIN UNLOADING			
FINISH UNLOADING			
LEAVE SITE			

DRIVER: Dean Michael DATE: 1/7/08 RECEIVER: _____ DATE: _____

ADDITIONAL INSTRUCTIONS OR COMMENTS

START TRIP (DATE & TIME)	FINISH TRIP (DATE & TIME)
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Appendix E
Certificate of Tank Destruction

CERTIFICATE OF DESTRUCTION

(UPON COMPLETION FORWARD TO SHELL'S PROJECT ENGINEER)

CONTRACTOR; H & H CONCRETE CONSTRUCTION, INC.
ADDRESS; 1000 EAST RIDGEVILLE BOULEVARD
CITY, ST; MOUNT AIRY, MARYLAND 21771

This is a Certificate of Destruction, issued by this CONTRACTOR to Shell Oil Company, a Delaware corporation with offices at 777 Walker, Houston, TX (SHELL), for the following underground storage tanks, which were removed from the Service Station premises at;

ADDRESS; 3401 KING STREET
CITY, ST; ALEXANDRIA, VIRGINIA

<u>QUANTITY</u>	<u>STEEL/FIBERGLASS</u>	<u>SW/DW</u>	<u>GALLONS</u>
4	FIBERGLASS	S/W	10,000

CONTRACTOR, by signing this Certificate of Destruction;

- (a) Acknowledges that the underground storage tanks are the subject of this Certificate of Destruction, together with the property upon which such equipment is located, may contain or may have contained flammable, explosive, or toxic liquids or vapors. Contractor recognizes and acknowledges the necessity to prevent and hereby engages to prevent exposure to such liquids or vapors of any persons handling, dismantling, and/or disposing of such tanks and equipment, and exposure of such liquids and vapors to hot work or other sources of ignition without adequate cleaning or treating.
- (b) Agrees, to the maximum extent permitted by applicable law (but no further), to indemnify and defend SHELL, it's employees and agents, against any and all claims, suits, losses liabilities and expenses (including reasonable attorney's fees and related costs incurred by SHELL) on account of personal injury, death, property damage or loss arising out of or in connection with the cleaning or treating, removal, dismantlement and disposal of the tanks other than any such injury, death, damage or loss caused solely by SHELL'S negligence.
- (c) Agree, to the maximum extent permitted by applicable law (but no further), to indemnify and defend SHELL, it's employees and agents against fines, penalties, assessments (including reasonable attorney's fees and related costs incurred by SHELL) for violation of the laws, regulations and/or ordinances relating to the cleaning or treating, removal, dismantlement and disposal of the tanks.
- (d) Agrees that any steel tank indicated above was not reused for any purpose and was cleaned or treated and perforated or cutup on site and disposed of as scrap or at the option of Shell's Engineer, disposed of at an approved waste disposal site.
- (e) Agrees, that any fiberglass tank indicated above was not reused for any purpose and was cleaned or treated, broken up and delivered to an approved waste disposal site.
- (f) Agrees that all tanks were disposed of in compliance with Federal, State, and Local laws and regulations.
- (g) Agrees to provide written certification evidencing compliance with the previous provisions upon written request by SHELL.

ACCEPTED ON; DECEMBER 17, 2007

H & H CONCRETE CONSTRUCTION, INC.

By; Jerry Nix / Project Manager



Appendix F
Fill Material Delivery Tickets

BID SHEET RFO # DD0816207

UST System Removal/Disposal

CC # Address

100527 3401 King Street

City, State, Zip

Alexandria, VA 22302

Base Quote

Adder 1

Adder 2

Adder 3

Adder 4

Fixed-Price,

Lump-Sum Quote

\$81,852.00 UST System Removal

8.00 per ton OverEx and loading of

30.00 per ton New backfill & installati

-\$7,785.00 Cost to backfill all distu

\$56,742.00 Shoring, if required

Name: Jerry Nix

Contractor: H&H Concrete Construction, Inc.

Date: 8/21/2007

Exceptions, Extras and Clarifications:

Adder 3 - \$7,785.00 will be deducted from the invoice if site is backfilled to grade in lieu of asphalt restoration.

Job has been estimated to receive 460 tons of gravel to replace the removed

tanks, any additional gravel tonnages will be considered as Adder 2.

/Disposal

: petroleum impacted soil, beyond standard tank excavation
tion due to OverEx work (self-compacting)
rbed areas to grade with self-compacting gravel, in lieu of asphalt

Appendix G
Soil Disposal Manifests

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number
25

57343

GENERATOR
MOTIVA ENTERPRISES

Generator Name ~~Base Valley Farm~~

Shipping Location SAME

Address 3401 King St.
Alexandria, VA

Address ~~1845 York Rd. (aka Pines Hill Rd.)~~
~~Spotsylvania 21192~~

Phone No. _____

Phone No. _____

Approval Number
[Signature]

W5 1171

Description of Material

Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	36.56 T	GROSS
TARE	13.01 T	TARE
NET	23.55 T	NET
10:03AM 12/14/07		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costello on behalf of Motiva
Generator Authorized Agent Name

[Signature]
Signature

12/14/07
Shipment Date

TRANSPORTER

Transporter Name DPL Trucking / IS Tracking
Address GREAT MILLS MD

Driver Name (Print) DAMEON

Vehicle License No./State _____
Truck Number _____

Vehicle License No./State D-1
Truck Number _____

I hereby certify that the above named material was picked up at the generator site listed above.

[Signature]
Driver Signature

Shipment Date

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature]
Driver Signature

Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated

Phone No. 301-782-3036
[Signature]

Address 16001 Mattawoman Dr. Brandywine, MD 20613

301-782-3036
Theresa McGrath
301-782-3036
DEC 14 2007
Brandywine Facility

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent

Signature

Receipt Date

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

Log Number

45

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

57624

Generator Name Motiva Enterprises Shipping Location _____
 Address 3401 King St. Address Same
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	39.63 T	GROSS	
TARE	13.01 T		TARE
NET	26.62 T		NET
12:18PM 12/14/07		TONNAGE	

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Generator Authorized Agent Name Man (unclear) on behalf of Motiva Materials Signature [Signature] Shipment Date 12/14/07

TRANSPORTER

Transporter Name DPL Trucking / 105 TRUCKING Driver Name (Print) Damon
 Address Great Mills MD Vehicle License No./State _____
 Truck Number D-1

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Driver Signature [Signature] Shipment Date _____

Driver Signature [Signature] Delivery Date _____

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
 Address 16001 Mattawoman Dr., Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature]
 DEC 14 2007
 Scale Master
 Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
 White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number <u>46</u>
57626

Generator Name Motiva Enterprises Shipping Location _____
Address 3401 King St. Address Same
Alexandria, VA
Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	35.33 T	GROSS
TARE	12.73 T	TARE
NET	22.60 T	NET
12:23PM 12/14/2007		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

MAT COSTAKIS on behalf of Motiva Matthew Costakis 12/14/07
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DKD TRUCKING Driver Name (Print) DAMIEN
Address CLINTON MD Vehicle License No./State 180-615 MD
Truck Number 04

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

DJ 12/14/07 DJ 12/14/07
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Theresa McGrath
Theresa McGrath
DEC 14 2007
Scale Master
Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
49
57625

Generator Name Motiva Enterprises Shipping Location _____
Address 3401 King St. Address Same
Alexandria, VA
Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	42.31 T	GROSS
TARE	12.81 T	TARE
NET	29.50 T	NET
12:42PM 12/14/2007		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

MATT COSTAKIS on behalf of Motiva [Signature] 12/14/07
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TD Campbell Driver Name (Print) Campbell
Address Indian Head MD Vehicle License No./State 184502
Truck Number TD2

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 12-14-07 [Signature] 12-14-07
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
16001 Mattawoman Dr. Brandywine, MD 20613
Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

[Signature]
DEC 14 2007
Scalemaster
Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number 64

57628

GENERATOR

Generator Name Motiva Enterprises Shipping Location _____
 Address 3401 King St. Address Same
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	41.14 T	GROSS
TARE	13.01 T	TARE
NET	28.13 T	NET
02:19PM 12/14/2007		NET
		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costacos on behalf of Motiva Matthew Costacos 12/14/07
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DPL Trucking / I/OJ Trucking Driver Name (Print) DAME
 Address GREAT MILLS MD Vehicle License No./State _____
 Truck Number A-1

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

James P. Spencer _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Theresa McGrath
Theresa McGrath
 Scale Master
 Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
 White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number

65

57638

GENERATOR

Generator Name Motiva Enterprises Shipping Location _____
Address 3401 King St. Address Same
Alexandria, VA
Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	36.11 T	GROSS
TARE	12.73 T	TARE
NET	23.38 T	NET
02:25PM 12/14/2007		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costas on behalf of Motiva Matt Costas 12/14/07
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DKD Trucking Driver Name (Print) DAMIEN
Address CLINTON MD Vehicle License No./State 180 5 61 MD
Truck Number 04

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

DF 12-14-07 DF 12-14-07
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
Address 16001 Mattawoman Dr, Brandywine, MD, 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
71
57637

Generator Name Motiva Enterprises Shipping Location _____
Address 3401 King St. Address Same
Alexandria, VA
Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
Non-Regulated Petroleum
Contaminated Soil
Non DOT/RCRA Regulated

GROSS	40.30 T	GROSS
TARE	12.81 T	TARE
NET	27.49 T	NET
02:56PM 12/14/2007		NET
		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costello on behalf of Motiva [Signature] 12/14/07
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TDC Campbell Driver Name (Print) Campbell
Address INDIAN HEAT IND Vehicle License No./State 184502
Truck Number TD2

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

TDC 12-14-07 TDC 12-14-07
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
Address 16001 Mattawoman Dr. Brandywine, MD 20613
16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Theresa McGrath <u>[Signature]</u> DEC 14 2007 Scale Master Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
10
57629

Generator Name Motive Enterprises Shipping Location _____
 Address 3401 King St. Address SAME
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	42.51 T	GROSS
TARE	12.57 T	TARE
NET	29.94 T	NET
08:10AM 12/17/2007		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costas on behalf of Motive Matthew Costas 12/17/07 65781
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DKD Driver Name (Print) WIL ROBINSON
 Address Clinton MD Vehicle License No./State MD
 Truck Number 03

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Wil Rob _____ W. P. Rob _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
16001 Mattawoman Dr. Brandywine, MD. 20613
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Theresa McGrath
Theresa McGrath
 DEC 17 2007
 Scale Master
 Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
 White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
14
57630

Generator Name Motiva Enterprises Shipping Location _____
 Address 3401 King St. Address SAME
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	39.21 T	GROSS
TARE	14.19 T	TARE
NET	25.02 T	NET
08:23AM 12/17/2007		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Math Costas on behalf of Motiva Matthew Costas 12/17/07 65781
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DILD Driver Name (Print) Anthony Brown
 Address Clinton md Vehicle License No./State _____
 Truck Number 02

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Anthony Brown _____ Anthony Brown _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

301-782-3036
 Theresa M. Smith
 DEC 17 2007
 Seal Master
 Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
16
57631

Generator Name Motiva Enterprises Shipping Location _____
 Address 3401 King St. Address SAME
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

		GROSS
GROSS	39.70 T	
TARE	13.81 T	TARE
NET	25.89 T	NET
08:34AM 12/17/2007		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costelus on behalf of Motiva Matthew Costelus 12/17/07 65781
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name B3M Hauling Driver Name (Print) Robert Freeman
 Address 1762 Addison Rd S Vehicle License No./State 151 E 64
Forsytheville MD 20747 Truck Number B1

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

[Signature] 12-17-07 [Signature] 12-17-07
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
 Address 16001 Mattawoman Dr, Brandywine, Md. 20613

301-782-3036
 Acgrath
 I mean McGrath
 DEC 17 2007
 Scale Master
 Brandywine Facility

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Name of Authorized Agent _____ Signature _____ Receipt Date _____

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
22
57632

Generator Name Motiva Enterprises Shipping Location _____
 Address 3401 King St. Address SAME
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
Non-Regulated Petroleum Contaminated Soil
Non DOT/RCRA Regulated

GROSS	38.14 T	GROSS
TARE	13.44 T	TARE
NET	24.70 T	NET
09:01AM	12/17/2007	NET TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Matt Costakis on behalf of Motiva Matthew Costakis 12/17/07 65781
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name TMT/IOJ Driver Name (Print) TRAVIS McADAMS
 Address _____ Vehicle License No./State 166ED01
 Truck Number T-1

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Travis Meadows 12-17-07 Travis Meadows 12-17-07
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
 Address 16001 Mattawoman Dr., Brandywine, MD 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

301-782-3036 301-782-3036 I received from DEC 17 2007 Scale Master Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
 White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

GENERATOR

Log Number
33
57633

Generator Name Motiva Enterprises Shipping Location _____
 Address 3401 King St. Address SAME
Alexandria, VA
 Phone No. _____ Phone No. _____

Approval Number
W5-1171

Description of Material
 Non-Regulated Petroleum
 Contaminated Soil
 Non DOT/RCRA Regulated

GROSS	41.33 T	GROSS
TARE	12.57 T	TARE
NET	28.76 T	NET
09:57AM 12/17/2007		NET
		TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Math Costello on behalf of Motiva Wally Costello 12/17/07 65721
 Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DKD Driver Name (Print) WIL ROBIN
 Address CLINTON MD Vehicle License No./State MD
 Truck Number 03

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Wil Robin _____ Wil Robin _____
 Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
 Address 16001 Mattawoman Drive, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Sharon McGrath
 DEC 17 2007
 Scale Master
 Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
 White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

SOIL SAFE, INC.

NON-HAZARDOUS MATERIAL MANIFEST

Log Number <u>39</u>
<u>57634</u>

GENERATOR

Generator Name Motiva Enterprises Shipping Location _____
Address 3401 King St. Address SAME
Alexandria, VA
Phone No. _____ Phone No. _____

Approval Number <u>W5-1171</u>

Description of Material Non-Regulated Petroleum Contaminated Soil Non DOT/RCRA Regulated

GROSS	42.21 T	GROSS
TARE	14.19 T	TARE
NET	28.02 T	NET
10:28AM 12/17/2007		NET TONNAGE

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, has been properly described, classified and packaged, and is in proper condition for transportation according to applicable regulations.

Math Costakis on behalf of Motiva Math Costakis 12/17/07 65721
Generator Authorized Agent Name Signature Shipment Date

TRANSPORTER

Transporter Name DICD Driver Name (Print) Anthony Brown
Address Clinton Md Vehicle License No./State _____
Truck Number 02

I hereby certify that the above named material was picked up at the generator site listed above.

I hereby certify that the above named material was delivered without incident to the destination listed below.

Anthony Brown _____ 12/17/07
Driver Signature Shipment Date Driver Signature Delivery Date

DESTINATION

Site Name Brandywine Soil Safe, Incorporated Phone No. 301-782-3036
Address 16001 Mattawoman Dr, Brandywine, Md. 20613

I hereby certify that the above named material has been accepted and to the best of my knowledge the foregoing is true and accurate.

Theresa McLaughlin <u>Theresa McLaughlin</u> DEC 17 2007 Scale Master Brandywine Facility

Name of Authorized Agent _____ Signature _____ Receipt Date _____
White - Facility Green - Facility Yellow - Generator Pink - Broker Goldenrod - Contractor Blue - Trucking Co.

Appendix H
Laboratory Analytical Reports

December 14, 2007 5:20:33PM

Client: URS Corporation (Gaithersburg) / SHELL (14022)
200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD 20878
Attn: Adriane Rogers

Work Order: NQL0965
Project Name: 3401 King Street, Alexandria, VA (Tech)
Project Nbr: SAP 100527
P/O Nbr: 4550722822
Date Received: 12/08/07

SAMPLE IDENTIFICATION	LAB NUMBER	COLLECTION DATE AND TIME
100527-Diesel-1	NQL0965-01	12/06/07 12:10
100527-Diesel-2	NQL0965-02	12/06/07 12:20
100527-SE Wall-1	NQL0965-03	12/06/07 12:15
100527-SE Wall-2	NQL0965-04	12/06/07 12:23
100527-Regular-1	NQL0965-05	12/06/07 14:08
100527-Regular-2	NQL0965-06	12/06/07 14:20
100527-Premium-1	NQL0965-07	12/06/07 15:00
100527-Premium-2	NQL0965-08	12/06/07 15:05
100527-Mid-1	NQL0965-09	12/07/07 09:15
100527-Mid-2	NQL0965-10	12/07/07 09:18
100527-NE Wall-1	NQL0965-11	12/07/07 09:55
100527-NE Wall-2	NQL0965-12	12/07/07 09:59
100527-NW Wall-1	NQL0965-13	12/07/07 10:00
100527-NW Wall-2	NQL0965-14	12/07/07 10:05
100527-SW Wall-1	NQL0965-15	12/07/07 10:58
100527-SW Wall-2	NQL0965-16	12/07/07 11:02
100527-T-01	NQL0965-17	12/07/07 12:00
100527-T-02	NQL0965-18	12/07/07 12:05
100527-T-03	NQL0965-19	12/07/07 12:40
100527-T-04	NQL0965-20	12/07/07 12:45

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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Virginia Certification Number: 00323

The Chain(s) of Custody, 5 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:

Client URS Corporation (Gaithersburg) / SHELL (14022)
200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD 20878
Attn Adriane Rogers

Work Order: NQL0965
Project Name: 3401 King Street, Alexandria, VA (Tech)
Project Number: SAP 100527
Received: 12/08/07 08:30



Jennifer Huckaba
Project Manager

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-01 (100527-Diesel-1 - Soil) Sampled: 12/06/07 12:10								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND	RL1	mg/kg	0.0488	50	12/12/07 21:12	SW846 8021B	7122301
Ethylbenzene	0.231		mg/kg	0.0488	50	12/12/07 21:12	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND	RL1	mg/kg	0.488	50	12/12/07 21:12	SW846 8021B	7122301
Naphthalene	2.32		mg/kg	0.244	50	12/12/07 21:12	SW846 8021B	7122301
Toluene	0.128		mg/kg	0.0488	50	12/12/07 21:12	SW846 8021B	7122301
Xylenes, total	0.156		mg/kg	0.146	50	12/12/07 21:12	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	97 %					12/12/07 21:12	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	5.94		mg/kg	4.97	1	12/12/07 03:27	SW846 8015B	7121728
<i>Surr: o-Terphenyl (18-150%)</i>	87 %					12/12/07 03:27	SW846 8015B	7121728
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	24.4		mg/kg	4.88	50	12/13/07 16:31	SW846 8015B	7122446
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	79 %					12/13/07 16:31	SW846 8015B	7122446
Sample ID: NQL0965-02 (100527-Diesel-2 - Soil) Sampled: 12/06/07 12:20								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.304		mg/kg	0.0479	50	12/12/07 21:33	SW846 8021B	7122301
Ethylbenzene	0.642		mg/kg	0.0479	50	12/12/07 21:33	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND	RL1	mg/kg	0.479	50	12/12/07 21:33	SW846 8021B	7122301
Naphthalene	2.97		mg/kg	0.239	50	12/12/07 21:33	SW846 8021B	7122301
Toluene	0.499		mg/kg	0.0479	50	12/12/07 21:33	SW846 8021B	7122301
Xylenes, total	0.447		mg/kg	0.144	50	12/12/07 21:33	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	120 %					12/12/07 21:33	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	24.1		mg/kg	4.92	1	12/12/07 03:47	SW846 8015B	7121728
<i>Surr: o-Terphenyl (18-150%)</i>	72 %					12/12/07 03:47	SW846 8015B	7121728
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	66.1		mg/kg	4.79	50	12/13/07 16:55	SW846 8015B	7122446
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	92 %					12/13/07 16:55	SW846 8015B	7122446
Sample ID: NQL0965-03 (100527-SE Wall-1 - Soil) Sampled: 12/06/07 12:15								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.000967	1	12/12/07 21:54	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.000967	1	12/12/07 21:54	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.00967	1	12/12/07 21:54	SW846 8021B	7122301
Naphthalene	0.453		mg/kg	0.00484	1	12/12/07 21:54	SW846 8021B	7122301
Toluene	ND		mg/kg	0.000967	1	12/12/07 21:54	SW846 8021B	7122301
Xylenes, total	0.00727		mg/kg	0.00290	1	12/12/07 21:54	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	102 %					12/12/07 21:54	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	28.0		mg/kg	4.84	1	12/12/07 04:47	SW846 8015B	7121728
<i>Surr: o-Terphenyl (18-150%)</i>	80 %					12/12/07 04:47	SW846 8015B	7121728

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-03 (100527-SE Wall-1 - Soil) - cont. Sampled: 12/06/07 12:15								
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.84	1	12/12/07 21:54	SW846 8015B	7121731
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	95 %					12/12/07 21:54	SW846 8015B	7121731
Sample ID: NQL0965-04RE1 (100527-SE Wall-2 - Soil) Sampled: 12/06/07 12:23								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.0836		mg/kg	0.0479	50	12/13/07 14:32	SW846 8021B	7122277
Ethylbenzene	1.57		mg/kg	0.0479	50	12/13/07 14:32	SW846 8021B	7122277
Methyl tert-Butyl Ether	ND	RL1	mg/kg	0.479	50	12/13/07 14:32	SW846 8021B	7122277
Naphthalene	26.4		mg/kg	2.39	500	12/12/07 22:15	SW846 8021B	7122301
Toluene	0.0809		mg/kg	0.0479	50	12/13/07 14:32	SW846 8021B	7122277
Xylenes, total	3.39		mg/kg	1.44	500	12/12/07 22:15	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	104 %					12/12/07 22:15	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	102 %					12/13/07 14:32	SW846 8021B	7122277
Extractable Petroleum Hydrocarbons								
Diesel	63.6		mg/kg	4.82	1	12/12/07 05:07	SW846 8015B	7121728
<i>Surr: o-Terphenyl (18-150%)</i>	78 %					12/12/07 05:07	SW846 8015B	7121728
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	203		mg/kg	4.79	50	12/13/07 17:27	SW846 8015B	7122626
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	91 %					12/13/07 17:27	SW846 8015B	7122626
Sample ID: NQL0965-05 (100527-Regular-1 - Soil) Sampled: 12/06/07 14:08								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.449		mg/kg	0.0485	50	12/12/07 22:36	SW846 8021B	7122301
Ethylbenzene	0.587		mg/kg	0.0485	50	12/12/07 22:36	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND	RL1	mg/kg	0.485	50	12/12/07 22:36	SW846 8021B	7122301
Naphthalene	11.7		mg/kg	0.243	50	12/12/07 22:36	SW846 8021B	7122301
Toluene	0.787		mg/kg	0.0485	50	12/12/07 22:36	SW846 8021B	7122301
Xylenes, total	1.42		mg/kg	0.146	50	12/12/07 22:36	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	110 %					12/12/07 22:36	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	32.3		mg/kg	4.82	1	12/12/07 05:27	SW846 8015B	7121728
<i>Surr: o-Terphenyl (18-150%)</i>	78 %					12/12/07 05:27	SW846 8015B	7121728
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	119		mg/kg	4.85	50	12/13/07 17:19	SW846 8015B	7122446
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	99 %					12/13/07 17:19	SW846 8015B	7122446
Sample ID: NQL0965-06 (100527-Regular-2 - Soil) Sampled: 12/06/07 14:20								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.341		mg/kg	0.0487	50	12/12/07 22:58	SW846 8021B	7122301
Ethylbenzene	0.541		mg/kg	0.0487	50	12/12/07 22:58	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND	RL1	mg/kg	0.487	50	12/12/07 22:58	SW846 8021B	7122301
Naphthalene	11.5		mg/kg	0.244	50	12/12/07 22:58	SW846 8021B	7122301

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-06 (100527-Regular-2 - Soil) - cont. Sampled: 12/06/07 14:20								
Volatile Organic Compounds by EPA Method 8021B - cont.								
Toluene	0.713		mg/kg	0.0487	50	12/12/07 22:58	SW846 8021B	7122301
Xylenes, total	2.18		mg/kg	0.146	50	12/12/07 22:58	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	110 %					12/12/07 22:58	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	136		mg/kg	4.86	1	12/12/07 01:14	SW846 8015B	7121727
<i>Surr: o-Terphenyl (18-150%)</i>	74 %					12/12/07 01:14	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	74.2		mg/kg	4.87	50	12/13/07 16:59	SW846 8015B	7122499
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	93 %					12/13/07 16:59	SW846 8015B	7122499
Sample ID: NQL0965-07RE1 (100527-Premium-1 - Soil) Sampled: 12/06/07 15:00								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.248		mg/kg	0.0472	50	12/13/07 14:53	SW846 8021B	7122277
Ethylbenzene	0.773		mg/kg	0.0472	50	12/13/07 14:53	SW846 8021B	7122277
Methyl tert-Butyl Ether	ND	RL1	mg/kg	0.472	50	12/13/07 14:53	SW846 8021B	7122277
Naphthalene	3.20		mg/kg	0.236	50	12/13/07 14:53	SW846 8021B	7122277
Toluene	0.433		mg/kg	0.0472	50	12/13/07 14:53	SW846 8021B	7122277
Xylenes, total	0.781		mg/kg	0.142	50	12/13/07 14:53	SW846 8021B	7122277
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	104 %					12/13/07 14:53	SW846 8021B	7122277
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.86	1	12/12/07 01:29	SW846 8015B	7121727
<i>Surr: o-Terphenyl (18-150%)</i>	92 %					12/12/07 01:29	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	74.0		mg/kg	4.72	50	12/13/07 14:53	SW846 8015B	7122277
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	104 %					12/13/07 14:53	SW846 8015B	7122277
Sample ID: NQL0965-08RE1 (100527-Premium-2 - Soil) Sampled: 12/06/07 15:05								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.0140		mg/kg	0.000943	1	12/13/07 11:49	SW846 8021B	7122301
Ethylbenzene	0.0276		mg/kg	0.000943	1	12/13/07 11:49	SW846 8021B	7122301
Methyl tert-Butyl Ether	0.0166		mg/kg	0.00943	1	12/13/07 11:49	SW846 8021B	7122301
Naphthalene	0.159		mg/kg	0.00472	1	12/13/07 11:49	SW846 8021B	7122301
Toluene	0.0193		mg/kg	0.000943	1	12/13/07 11:49	SW846 8021B	7122301
Xylenes, total	0.0336		mg/kg	0.00283	1	12/13/07 11:49	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	113 %					12/13/07 11:49	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	84.3		mg/kg	4.86	1	12/12/07 01:45	SW846 8015B	7121727
<i>Surr: o-Terphenyl (18-150%)</i>	88 %					12/12/07 01:45	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.72	1	12/13/07 11:49	SW846 8015B	7121731
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	94 %					12/13/07 11:49	SW846 8015B	7121731

Client URS Corporation (Gaithersburg) / SHELL (14022)
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Work Order: NQL0965
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 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-09 (100527-Mid-1 - Soil) Sampled: 12/07/07 09:15								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.0278		mg/kg	0.000984	1	12/13/07 00:01	SW846 8021B	7122301
Ethylbenzene	0.00973		mg/kg	0.000984	1	12/13/07 00:01	SW846 8021B	7122301
Methyl tert-Butyl Ether	0.114		mg/kg	0.00984	1	12/13/07 00:01	SW846 8021B	7122301
Naphthalene	2.33		mg/kg	0.246	50	12/13/07 15:14	SW846 8021B	7122277
Toluene	0.0177		mg/kg	0.000984	1	12/13/07 00:01	SW846 8021B	7122301
Xylenes, total	0.0614		mg/kg	0.00295	1	12/13/07 00:01	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	134 %					12/13/07 00:01	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	100 %					12/13/07 15:14	SW846 8021B	7122277
Extractable Petroleum Hydrocarbons								
Diesel	11.2		mg/kg	4.82	1	12/12/07 02:01	SW846 8015B	7121727
Surr: o-Terphenyl (18-150%)	93 %					12/12/07 02:01	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.92	1	12/13/07 00:01	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	99 %					12/13/07 00:01	SW846 8015B	7121731
Sample ID: NQL0965-10RE1 (100527-Mid-2 - Soil) Sampled: 12/07/07 09:18								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.0148		mg/kg	0.000943	1	12/13/07 12:10	SW846 8021B	7122301
Ethylbenzene	0.0194		mg/kg	0.000943	1	12/13/07 12:10	SW846 8021B	7122301
Methyl tert-Butyl Ether	0.108		mg/kg	0.00943	1	12/13/07 12:10	SW846 8021B	7122301
Naphthalene	0.119		mg/kg	0.00472	1	12/13/07 12:10	SW846 8021B	7122301
Toluene	0.0154		mg/kg	0.000943	1	12/13/07 12:10	SW846 8021B	7122301
Xylenes, total	0.0191		mg/kg	0.00283	1	12/13/07 12:10	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	126 %					12/13/07 12:10	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.98	1	12/12/07 02:49	SW846 8015B	7121727
Surr: o-Terphenyl (18-150%)	93 %					12/12/07 02:49	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.72	1	12/13/07 00:22	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	95 %					12/13/07 00:22	SW846 8015B	7121731
Sample ID: NQL0965-11RE1 (100527-NE Wall-1 - Soil) Sampled: 12/07/07 09:55								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.00100	1	12/13/07 12:31	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.00100	1	12/13/07 12:31	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.0100	1	12/13/07 12:31	SW846 8021B	7122301
Naphthalene	ND		mg/kg	0.00500	1	12/13/07 12:31	SW846 8021B	7122301
Toluene	ND		mg/kg	0.00100	1	12/13/07 12:31	SW846 8021B	7122301
Xylenes, total	ND		mg/kg	0.00300	1	12/13/07 12:31	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	106 %					12/13/07 12:31	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.95	1	12/12/07 03:04	SW846 8015B	7121727

Client URS Corporation (Gaithersburg) / SHELL (14022)
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 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-11 (100527-NE Wall-1 - Soil) - cont. Sampled: 12/07/07 09:55								
Extractable Petroleum Hydrocarbons - cont.								
Surr: o-Terphenyl (18-150%)	97 %					12/12/07 03:04	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	5.00	1	12/13/07 00:43	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	94 %					12/13/07 00:43	SW846 8015B	7121731
Sample ID: NQL0965-12 (100527-NE Wall-2 - Soil) Sampled: 12/07/07 09:59								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.000990	1	12/13/07 01:05	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.000990	1	12/13/07 01:05	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.00990	1	12/13/07 01:05	SW846 8021B	7122301
Naphthalene	ND		mg/kg	0.00495	1	12/13/07 01:05	SW846 8021B	7122301
Toluene	ND		mg/kg	0.000990	1	12/13/07 01:05	SW846 8021B	7122301
Xylenes, total	ND		mg/kg	0.00297	1	12/13/07 01:05	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	97 %					12/13/07 01:05	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.82	1	12/12/07 09:01	SW846 8015B	7121727
Surr: o-Terphenyl (18-150%)	76 %					12/12/07 09:01	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.95	1	12/13/07 01:05	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	92 %					12/13/07 01:05	SW846 8015B	7121731
Sample ID: NQL0965-13 (100527-NW Wall-1 - Soil) Sampled: 12/07/07 10:00								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.0174		mg/kg	0.000973	1	12/13/07 01:26	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.000973	1	12/13/07 01:26	SW846 8021B	7122301
Methyl tert-Butyl Ether	0.103		mg/kg	0.00973	1	12/13/07 01:26	SW846 8021B	7122301
Naphthalene	ND		mg/kg	0.00486	1	12/13/07 01:26	SW846 8021B	7122301
Toluene	0.0115		mg/kg	0.000973	1	12/13/07 01:26	SW846 8021B	7122301
Xylenes, total	0.0178		mg/kg	0.00292	1	12/13/07 01:26	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	102 %					12/13/07 01:26	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	8.58		mg/kg	4.86	1	12/12/07 03:36	SW846 8015B	7121727
Surr: o-Terphenyl (18-150%)	89 %					12/12/07 03:36	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.86	1	12/13/07 01:26	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	95 %					12/13/07 01:26	SW846 8015B	7121731
Sample ID: NQL0965-14 (100527-NW Wall-2 - Soil) Sampled: 12/07/07 10:05								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.000960	1	12/13/07 01:47	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.000960	1	12/13/07 01:47	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.00960	1	12/13/07 01:47	SW846 8021B	7122301

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Work Order: NQL0965
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 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-14 (100527-NW Wall-2 - Soil) - cont. Sampled: 12/07/07 10:05								
Volatile Organic Compounds by EPA Method 8021B - cont.								
Naphthalene	ND		mg/kg	0.00480	1	12/13/07 01:47	SW846 8021B	7122301
Toluene	ND		mg/kg	0.000960	1	12/13/07 01:47	SW846 8021B	7122301
Xylenes, total	ND		mg/kg	0.00288	1	12/13/07 01:47	SW846 8021B	7122301
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	<i>103 %</i>					<i>12/13/07 01:47</i>	<i>SW846 8021B</i>	<i>7122301</i>
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.88	1	12/12/07 03:52	SW846 8015B	7121727
<i>Surr: o-Terphenyl (18-150%)</i>	<i>85 %</i>					<i>12/12/07 03:52</i>	<i>SW846 8015B</i>	<i>7121727</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.80	1	12/13/07 01:47	SW846 8015B	7121731
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	<i>93 %</i>					<i>12/13/07 01:47</i>	<i>SW846 8015B</i>	<i>7121731</i>
Sample ID: NQL0965-15RE1 (100527-SW Wall-1 - Soil) Sampled: 12/07/07 10:58								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.00102		mg/kg	0.000975	1	12/13/07 13:29	SW846 8021B	7122277
Ethylbenzene	ND		mg/kg	0.000975	1	12/13/07 13:29	SW846 8021B	7122277
Methyl tert-Butyl Ether	ND		mg/kg	0.00975	1	12/13/07 13:29	SW846 8021B	7122277
Naphthalene	0.00799		mg/kg	0.00487	1	12/13/07 13:29	SW846 8021B	7122277
Toluene	ND		mg/kg	0.000975	1	12/13/07 13:29	SW846 8021B	7122277
Xylenes, total	ND		mg/kg	0.00292	1	12/13/07 13:29	SW846 8021B	7122277
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	<i>102 %</i>					<i>12/13/07 13:29</i>	<i>SW846 8021B</i>	<i>7122277</i>
Extractable Petroleum Hydrocarbons								
Diesel	9.63		mg/kg	4.94	1	12/12/07 04:08	SW846 8015B	7121727
<i>Surr: o-Terphenyl (18-150%)</i>	<i>80 %</i>					<i>12/12/07 04:08</i>	<i>SW846 8015B</i>	<i>7121727</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.87	1	12/13/07 02:08	SW846 8015B	7121731
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	<i>93 %</i>					<i>12/13/07 02:08</i>	<i>SW846 8015B</i>	<i>7121731</i>
Sample ID: NQL0965-16RE1 (100527-SW Wall-2 - Soil) Sampled: 12/07/07 11:02								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.000960	1	12/13/07 13:50	SW846 8021B	7122277
Ethylbenzene	ND		mg/kg	0.000960	1	12/13/07 13:50	SW846 8021B	7122277
Methyl tert-Butyl Ether	ND		mg/kg	0.00960	1	12/13/07 13:50	SW846 8021B	7122277
Naphthalene	ND		mg/kg	0.00480	1	12/13/07 13:50	SW846 8021B	7122277
Toluene	ND		mg/kg	0.000960	1	12/13/07 13:50	SW846 8021B	7122277
Xylenes, total	ND		mg/kg	0.00288	1	12/13/07 13:50	SW846 8021B	7122277
<i>Surr: a,a,a-Trifluorotoluene (52-145%)</i>	<i>104 %</i>					<i>12/13/07 13:50</i>	<i>SW846 8021B</i>	<i>7122277</i>
Extractable Petroleum Hydrocarbons								
Diesel	10.5		mg/kg	4.84	1	12/12/07 04:24	SW846 8015B	7121727
<i>Surr: o-Terphenyl (18-150%)</i>	<i>86 %</i>					<i>12/12/07 04:24</i>	<i>SW846 8015B</i>	<i>7121727</i>
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	0.447		mg/kg	0.0960	1	12/13/07 13:50	SW846 8015B	7122277

Client URS Corporation (Gaithersburg) / SHELL (14022)
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Work Order: NQL0965
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 Project Number: SAP 100527
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ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-16RE1 (100527-SW Wall-2 - Soil) - cont. Sampled: 12/07/07 11:02								
Purgeable Petroleum Hydrocarbons - cont.								
Surr: a,a,a-Trifluorotoluene (52-145%)	104 %					12/13/07 13:50	SW846 8015B	7122277
Sample ID: NQL0965-17 (100527-T-01 - Soil) Sampled: 12/07/07 12:00								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.000967	1	12/13/07 02:50	SW846 8021B	7122301
Ethylbenzene	0.00131		mg/kg	0.000967	1	12/13/07 02:50	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.00967	1	12/13/07 02:50	SW846 8021B	7122301
Naphthalene	0.0113		mg/kg	0.00484	1	12/13/07 02:50	SW846 8021B	7122301
Toluene	0.00142		mg/kg	0.000967	1	12/13/07 02:50	SW846 8021B	7122301
Xylenes, total	0.0166		mg/kg	0.00290	1	12/13/07 02:50	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	96 %					12/13/07 02:50	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.90	1	12/12/07 04:40	SW846 8015B	7121727
Surr: o-Terphenyl (18-150%)	92 %					12/12/07 04:40	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.84	1	12/13/07 02:50	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	94 %					12/13/07 02:50	SW846 8015B	7121731
Sample ID: NQL0965-18 (100527-T-02 - Soil) Sampled: 12/07/07 12:05								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	ND		mg/kg	0.00100	1	12/13/07 03:11	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.00100	1	12/13/07 03:11	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.0100	1	12/13/07 03:11	SW846 8021B	7122301
Naphthalene	ND		mg/kg	0.00500	1	12/13/07 03:11	SW846 8021B	7122301
Toluene	ND		mg/kg	0.00100	1	12/13/07 03:11	SW846 8021B	7122301
Xylenes, total	ND		mg/kg	0.00300	1	12/13/07 03:11	SW846 8021B	7122301
Surr: a,a,a-Trifluorotoluene (52-145%)	101 %					12/13/07 03:11	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.93	1	12/12/07 04:56	SW846 8015B	7121727
Surr: o-Terphenyl (18-150%)	81 %					12/12/07 04:56	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	5.00	1	12/13/07 03:11	SW846 8015B	7121731
Surr: a,a,a-Trifluorotoluene (52-145%)	93 %					12/13/07 03:11	SW846 8015B	7121731
Sample ID: NQL0965-19 (100527-T-03 - Soil) Sampled: 12/07/07 12:40								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.00161		mg/kg	0.000986	1	12/13/07 03:32	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.000986	1	12/13/07 03:32	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.00986	1	12/13/07 03:32	SW846 8021B	7122301
Naphthalene	ND		mg/kg	0.00493	1	12/13/07 03:32	SW846 8021B	7122301
Toluene	ND		mg/kg	0.000986	1	12/13/07 03:32	SW846 8021B	7122301
Xylenes, total	ND		mg/kg	0.00296	1	12/13/07 03:32	SW846 8021B	7122301

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

ANALYTICAL REPORT

Analyte	Result	Flag	Units	MRL	Dilution Factor	Analysis Date/Time	Method	Batch
Sample ID: NQL0965-19 (100527-T-03 - Soil) - cont. Sampled: 12/07/07 12:40								
Volatile Organic Compounds by EPA Method 8021B - cont.								
Surr: <i>a,a,a-Trifluorotoluene (52-145%)</i>	105 %					12/13/07 03:32	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	ND		mg/kg	4.87	1	12/12/07 05:12	SW846 8015B	7121727
Surr: <i>o-Terphenyl (18-150%)</i>	81 %					12/12/07 05:12	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.93	1	12/13/07 03:32	SW846 8015B	7121731
Surr: <i>a,a,a-Trifluorotoluene (52-145%)</i>	95 %					12/13/07 03:32	SW846 8015B	7121731
Sample ID: NQL0965-20 (100527-T-04 - Soil) Sampled: 12/07/07 12:45								
Volatile Organic Compounds by EPA Method 8021B								
Benzene	0.00365		mg/kg	0.000969	1	12/13/07 03:54	SW846 8021B	7122301
Ethylbenzene	ND		mg/kg	0.000969	1	12/13/07 03:54	SW846 8021B	7122301
Methyl tert-Butyl Ether	ND		mg/kg	0.00969	1	12/13/07 03:54	SW846 8021B	7122301
Naphthalene	0.00563		mg/kg	0.00484	1	12/13/07 03:54	SW846 8021B	7122301
Toluene	0.00155		mg/kg	0.000969	1	12/13/07 03:54	SW846 8021B	7122301
Xylenes, total	ND		mg/kg	0.00291	1	12/13/07 03:54	SW846 8021B	7122301
Surr: <i>a,a,a-Trifluorotoluene (52-145%)</i>	109 %					12/13/07 03:54	SW846 8021B	7122301
Extractable Petroleum Hydrocarbons								
Diesel	11.3		mg/kg	4.85	1	12/12/07 05:28	SW846 8015B	7121727
Surr: <i>o-Terphenyl (18-150%)</i>	90 %					12/12/07 05:28	SW846 8015B	7121727
Purgeable Petroleum Hydrocarbons								
GRO as Gasoline	ND		mg/kg	4.84	1	12/13/07 03:54	SW846 8015B	7121731
Surr: <i>a,a,a-Trifluorotoluene (52-145%)</i>	93 %					12/13/07 03:54	SW846 8015B	7121731

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
Extractable Petroleum Hydrocarbons							
SW846 8015B	7121728	NQL0965-01	25.17	1.00	12/11/07 10:46	BAD	EPA 3550B
SW846 8015B	7121728	NQL0965-02	25.43	1.00	12/11/07 10:46	BAD	EPA 3550B
SW846 8015B	7121728	NQL0965-03	25.80	1.00	12/11/07 10:46	BAD	EPA 3550B
SW846 8015B	7121728	NQL0965-04	25.94	1.00	12/11/07 10:46	BAD	EPA 3550B
SW846 8015B	7121728	NQL0965-05	25.93	1.00	12/11/07 10:46	BAD	EPA 3550B
SW846 8015B	7121727	NQL0965-06	25.72	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-07	25.72	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-08	25.74	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-09	25.91	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-10	25.11	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-11	25.24	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-12	25.92	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-12RE1	25.92	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-13	25.70	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-14	25.60	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-15	25.31	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-16	25.80	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-17	25.50	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-18	25.34	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-19	25.65	1.00	12/11/07 11:21	CDJ	EPA 3550B
SW846 8015B	7121727	NQL0965-20	25.77	1.00	12/11/07 11:21	CDJ	EPA 3550B
Purgeable Petroleum Hydrocarbons							
SW846 8015B	7121731	NQL0965-01	5.12	5.00	12/11/07 12:20	NKN	EPA 5035A (GC)
SW846 8015B	7122446	NQL0965-01RE1	5.12	5.00	12/13/07 10:22	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-02	5.22	5.00	12/11/07 12:23	NKN	EPA 5035A (GC)
SW846 8015B	7122446	NQL0965-02RE1	5.22	5.00	12/13/07 10:22	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-03	5.17	5.00	12/11/07 12:26	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-04	5.22	5.00	12/11/07 12:36	NKN	EPA 5035A (GC)
SW846 8015B	7122626	NQL0965-04RE1	5.22	5.00	12/12/07 16:40	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-05	5.15	5.00	12/11/07 13:25	NKN	EPA 5035A (GC)
SW846 8015B	7122446	NQL0965-05RE1	5.15	5.00	12/13/07 10:22	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-06	5.13	5.00	12/11/07 13:28	NKN	EPA 5035A (GC)
SW846 8015B	7122499	NQL0965-06RE1	5.13	5.00	12/11/07 13:28	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-07	5.30	5.00	12/11/07 13:36	NKN	EPA 5035A (GC)
SW846 8015B	7122277	NQL0965-07RE1	5.30	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-08	5.30	5.00	12/11/07 13:45	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-08RE1	5.30	5.00	12/11/07 13:45	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-09	5.08	5.00	12/11/07 13:48	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-10	5.30	5.00	12/11/07 13:50	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-11	5.00	5.00	12/11/07 13:53	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-12	5.05	5.00	12/11/07 13:56	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-13	5.14	5.00	12/11/07 14:00	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-14	5.21	5.00	12/11/07 14:03	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-15	5.13	5.00	12/11/07 14:06	NKN	EPA 5035A (GC)

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Extracted Vol	Date	Analyst	Extraction Method
SW846 8015B	7122277	NQL0965-15RE1	5.13	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-16	5.21	5.00	12/11/07 14:10	NKN	EPA 5035A (GC)
SW846 8015B	7122277	NQL0965-16RE1	5.21	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-17	5.17	5.00	12/11/07 14:13	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-18	5.00	5.00	12/11/07 14:16	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-19	5.07	5.00	12/11/07 14:20	NKN	EPA 5035A (GC)
SW846 8015B	7121731	NQL0965-20	5.16	5.00	12/11/07 14:23	NKN	EPA 5035A (GC)
Volatile Organic Compounds by EPA Method 8021B							
SW846 8021B	7122301	NQL0965-01	5.12	5.00	12/11/07 12:20	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-01RE1	5.12	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-02	5.22	5.00	12/11/07 12:23	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-03	5.17	5.00	12/11/07 12:26	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-04	5.22	5.00	12/11/07 12:36	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-04RE1	5.22	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-05	5.15	5.00	12/11/07 13:25	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-06	5.13	5.00	12/11/07 13:28	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-07	5.30	5.00	12/11/07 13:36	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-07RE1	5.30	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-08	5.30	5.00	12/11/07 13:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-08RE1	5.30	5.00	12/11/07 13:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-09	5.08	5.00	12/11/07 13:48	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-09RE1	5.08	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-09RE2	5.08	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-10	5.30	5.00	12/11/07 13:50	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-10RE1	5.30	5.00	12/11/07 13:50	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-11	5.00	5.00	12/11/07 13:53	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-11RE1	5.00	5.00	12/11/07 13:53	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-12	5.05	5.00	12/11/07 13:56	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-13	5.14	5.00	12/11/07 14:00	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-14	5.21	5.00	12/11/07 14:03	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-15	5.13	5.00	12/11/07 14:06	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-15RE1	5.13	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-16	5.21	5.00	12/11/07 14:10	NKN	EPA 5035A (GC)
SW846 8021B	7122277	NQL0965-16RE1	5.21	5.00	12/13/07 12:45	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-17	5.17	5.00	12/11/07 14:13	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-18	5.00	5.00	12/11/07 14:16	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-19	5.07	5.00	12/11/07 14:20	NKN	EPA 5035A (GC)
SW846 8021B	7122301	NQL0965-20	5.16	5.00	12/11/07 14:23	NKN	EPA 5035A (GC)

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

PROJECT QUALITY CONTROL DATA
Blank

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8021B

7122277-BLK1

Benzene	<0.000500		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Ethylbenzene	<0.000400		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Naphthalene	<0.00100		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Toluene	<0.000600		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Xylenes, total	<0.00100		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Surrogate: a,a,a-Trifluorotoluene	101%			7122277	7122277-BLK1	12/13/07 08:12

7122277-BLK2

Benzene	<0.000500		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Ethylbenzene	<0.000400		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Naphthalene	<0.00100		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Toluene	<0.000600		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Xylenes, total	<0.00100		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Surrogate: a,a,a-Trifluorotoluene	103%			7122277	7122277-BLK2	12/13/07 12:25

7122277-BLK3

Benzene	<0.000500		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Ethylbenzene	<0.000400		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Naphthalene	<0.00100		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Toluene	<0.000600		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Xylenes, total	<0.00100		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Surrogate: a,a,a-Trifluorotoluene	101%			7122277	7122277-BLK3	12/14/07 10:27

7122277-BLK4

Benzene	<0.000500		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Ethylbenzene	0.000481		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Naphthalene	<0.00100		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Toluene	<0.000600		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Xylenes, total	<0.00100		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Surrogate: a,a,a-Trifluorotoluene	103%			7122277	7122277-BLK4	12/14/07 10:48

7122301-BLK1

Benzene	<0.000500		mg/kg	7122301	7122301-BLK1	12/12/07 20:29
Ethylbenzene	<0.000400		mg/kg	7122301	7122301-BLK1	12/12/07 20:29
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122301	7122301-BLK1	12/12/07 20:29
Naphthalene	0.00268		mg/kg	7122301	7122301-BLK1	12/12/07 20:29
Toluene	<0.000600		mg/kg	7122301	7122301-BLK1	12/12/07 20:29
Xylenes, total	<0.00100		mg/kg	7122301	7122301-BLK1	12/12/07 20:29

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
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Volatile Organic Compounds by EPA Method 8021B

7122301-BLK1

<i>Surrogate: a,a,a-Trifluorotoluene</i>	89%			7122301	7122301-BLK1	12/12/07 20:29
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7122301-BLK2

Benzene	<0.000500		mg/kg	7122301	7122301-BLK2	12/12/07 20:50
Ethylbenzene	<0.000400		mg/kg	7122301	7122301-BLK2	12/12/07 20:50
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122301	7122301-BLK2	12/12/07 20:50
Naphthalene	0.00175		mg/kg	7122301	7122301-BLK2	12/12/07 20:50
Toluene	<0.000600		mg/kg	7122301	7122301-BLK2	12/12/07 20:50
Xylenes, total	<0.00100		mg/kg	7122301	7122301-BLK2	12/12/07 20:50
<i>Surrogate: a,a,a-Trifluorotoluene</i>	94%			7122301	7122301-BLK2	12/12/07 20:50

7122301-BLK3

Benzene	<0.000500		mg/kg	7122301	7122301-BLK3	12/13/07 04:57
Ethylbenzene	<0.000400		mg/kg	7122301	7122301-BLK3	12/13/07 04:57
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122301	7122301-BLK3	12/13/07 04:57
Naphthalene	0.00339		mg/kg	7122301	7122301-BLK3	12/13/07 04:57
Toluene	<0.000600		mg/kg	7122301	7122301-BLK3	12/13/07 04:57
Xylenes, total	<0.00100		mg/kg	7122301	7122301-BLK3	12/13/07 04:57
<i>Surrogate: a,a,a-Trifluorotoluene</i>	103%			7122301	7122301-BLK3	12/13/07 04:57

7122301-BLK4

Benzene	<0.000500		mg/kg	7122301	7122301-BLK4	12/13/07 05:18
Ethylbenzene	<0.000400		mg/kg	7122301	7122301-BLK4	12/13/07 05:18
Methyl tert-Butyl Ether	<0.000500		mg/kg	7122301	7122301-BLK4	12/13/07 05:18
Naphthalene	0.00201		mg/kg	7122301	7122301-BLK4	12/13/07 05:18
Toluene	<0.000600		mg/kg	7122301	7122301-BLK4	12/13/07 05:18
Xylenes, total	<0.00100		mg/kg	7122301	7122301-BLK4	12/13/07 05:18
<i>Surrogate: a,a,a-Trifluorotoluene</i>	95%			7122301	7122301-BLK4	12/13/07 05:18

Extractable Petroleum Hydrocarbons

7121727-BLK1

Diesel	<2.00		mg/kg	7121727	7121727-BLK1	12/11/07 22:50
<i>Surrogate: o-Terphenyl</i>	93%			7121727	7121727-BLK1	12/11/07 22:50

7121728-BLK1

Diesel	<2.00		mg/kg	7121728	7121728-BLK1	12/11/07 22:04
<i>Surrogate: o-Terphenyl</i>	94%			7121728	7121728-BLK1	12/11/07 22:04

Purgeable Petroleum Hydrocarbons

7121731-BLK1

GRO as Gasoline	0.0119		mg/kg	7121731	7121731-BLK1	12/12/07 20:29
<i>Surrogate: a,a,a-Trifluorotoluene</i>	93%			7121731	7121731-BLK1	12/12/07 20:29

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

PROJECT QUALITY CONTROL DATA
Blank - Cont.

Analyte	Blank Value	Q	Units	Q.C. Batch	Lab Number	Analyzed Date/Time
Purgeable Petroleum Hydrocarbons						
7121731-BLK2						
GRO as Gasoline	0.0427		mg/kg	7121731	7121731-BLK2	12/12/07 20:50
Surrogate: a,a,a-Trifluorotoluene	92%			7121731	7121731-BLK2	12/12/07 20:50
7121731-BLK3						
GRO as Gasoline	<0.0100		mg/kg	7121731	7121731-BLK3	12/13/07 04:57
Surrogate: a,a,a-Trifluorotoluene	95%			7121731	7121731-BLK3	12/13/07 04:57
7121731-BLK4						
GRO as Gasoline	0.0591		mg/kg	7121731	7121731-BLK4	12/13/07 05:18
Surrogate: a,a,a-Trifluorotoluene	92%			7121731	7121731-BLK4	12/13/07 05:18
7122277-BLK1						
GRO as Gasoline	<0.0100		mg/kg	7122277	7122277-BLK1	12/13/07 08:12
Surrogate: a,a,a-Trifluorotoluene	101%			7122277	7122277-BLK1	12/13/07 08:12
7122277-BLK2						
GRO as Gasoline	<0.0100		mg/kg	7122277	7122277-BLK2	12/13/07 12:25
Surrogate: a,a,a-Trifluorotoluene	103%			7122277	7122277-BLK2	12/13/07 12:25
7122277-BLK3						
GRO as Gasoline	<0.0100		mg/kg	7122277	7122277-BLK3	12/14/07 10:27
Surrogate: a,a,a-Trifluorotoluene	101%			7122277	7122277-BLK3	12/14/07 10:27
7122277-BLK4						
GRO as Gasoline	<0.0100		mg/kg	7122277	7122277-BLK4	12/14/07 10:48
Surrogate: a,a,a-Trifluorotoluene	103%			7122277	7122277-BLK4	12/14/07 10:48
7122446-BLK1						
GRO as Gasoline	<0.0100		mg/kg	7122446	7122446-BLK1	12/13/07 11:35
Surrogate: a,a,a-Trifluorotoluene	83%			7122446	7122446-BLK1	12/13/07 11:35
7122499-BLK1						
GRO as Gasoline	<0.0100		mg/kg	7122499	7122499-BLK1	12/12/07 11:03
Surrogate: a,a,a-Trifluorotoluene	97%			7122499	7122499-BLK1	12/12/07 11:03
7122626-BLK1						
GRO as Gasoline	0.0395		mg/kg	7122626	7122626-BLK1	12/13/07 07:48
Surrogate: a,a,a-Trifluorotoluene	90%			7122626	7122626-BLK1	12/13/07 07:48

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 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 8021B								
7122277-BS1								
Benzene	0.100	0.0970		mg/kg	97%	80 - 130	7122277	12/13/07 17:11
Ethylbenzene	0.100	0.0994		mg/kg	99%	73 - 120	7122277	12/13/07 17:11
Methyl tert-Butyl Ether	0.100	0.0962		mg/kg	96%	66 - 133	7122277	12/13/07 17:11
Naphthalene	0.100	0.0989		mg/kg	99%	34 - 150	7122277	12/13/07 17:11
Toluene	0.100	0.113		mg/kg	113%	78 - 120	7122277	12/13/07 17:11
Xylenes, total	0.200	0.230		mg/kg	115%	73 - 120	7122277	12/13/07 17:11
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	33.8			113%	52 - 145	7122277	12/13/07 17:11
7122277-BS2								
Benzene	0.100	0.0916		mg/kg	92%	80 - 130	7122277	12/13/07 17:31
Ethylbenzene	0.100	0.0984		mg/kg	98%	73 - 120	7122277	12/13/07 17:31
Methyl tert-Butyl Ether	0.100	0.109		mg/kg	109%	66 - 133	7122277	12/13/07 17:31
Naphthalene	0.100	0.126		mg/kg	126%	34 - 150	7122277	12/13/07 17:31
Toluene	0.100	0.119		mg/kg	119%	78 - 120	7122277	12/13/07 17:31
Xylenes, total	0.200	0.226		mg/kg	113%	73 - 120	7122277	12/13/07 17:31
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	30.1			100%	52 - 145	7122277	12/13/07 17:31
7122301-BS1								
Benzene	0.0200	0.0177		mg/kg	89%	80 - 130	7122301	12/12/07 19:26
Ethylbenzene	0.0200	0.0180		mg/kg	90%	73 - 120	7122301	12/12/07 19:26
Methyl tert-Butyl Ether	0.0200	0.0254		mg/kg	127%	66 - 133	7122301	12/12/07 19:26
Naphthalene	0.0200	0.0209		mg/kg	105%	34 - 150	7122301	12/12/07 19:26
Toluene	0.0200	0.0179		mg/kg	90%	78 - 120	7122301	12/12/07 19:26
Xylenes, total	0.0600	0.0582		mg/kg	97%	73 - 120	7122301	12/12/07 19:26
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	25.4			85%	52 - 145	7122301	12/12/07 19:26
7122301-BS2								
Benzene	0.100	0.0986		mg/kg	99%	80 - 130	7122301	12/13/07 14:27
Ethylbenzene	0.100	0.102		mg/kg	102%	73 - 120	7122301	12/13/07 14:27
Methyl tert-Butyl Ether	0.100	0.0942		mg/kg	94%	66 - 133	7122301	12/13/07 14:27
Naphthalene	0.100	0.0972		mg/kg	97%	34 - 150	7122301	12/13/07 14:27
Toluene	0.100	0.0990		mg/kg	99%	78 - 120	7122301	12/13/07 14:27
Xylenes, total	0.300	0.309		mg/kg	103%	73 - 120	7122301	12/13/07 14:27
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	26.2			87%	52 - 145	7122301	12/13/07 14:27
Extractable Petroleum Hydrocarbons								
7121727-BS1								
Diesel	40.0	42.3		mg/kg	106%	57 - 128	7121727	12/11/07 23:06
<i>Surrogate: o-Terphenyl</i>	0.800	0.707			88%	18 - 150	7121727	12/11/07 23:06
7121728-BS1								
Diesel	40.0	41.0		mg/kg	102%	57 - 128	7121728	12/11/07 22:24

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 08:30

PROJECT QUALITY CONTROL DATA
LCS - Cont.

Analyte	Known Val.	Analyzed Val	Q	Units	% Rec.	Target Range	Batch	Analyzed Date/Time
Extractable Petroleum Hydrocarbons								
7121728-BS1								
<i>Surrogate: o-Terphenyl</i>	0.800	0.756			95%	18 - 150	7121728	12/11/07 22:24
Purgeable Petroleum Hydrocarbons								
7121731-BS1								
GRO as Gasoline	10.0	12.0		mg/kg	120%	71 - 125	7121731	12/12/07 19:47
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	31.3			104%	52 - 145	7121731	12/12/07 19:47
7122277-BS3								
GRO as Gasoline	10.0	10.3		mg/kg	103%	71 - 125	7122277	12/13/07 16:23
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	29.2			97%	52 - 145	7122277	12/13/07 16:23
7122277-BS4								
GRO as Gasoline	10.0	10.3		mg/kg	103%	71 - 125	7122277	12/13/07 16:44
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	20.5			68%	52 - 145	7122277	12/13/07 16:44
7122446-BS1								
GRO as Gasoline	1000	1020		ug/L	102%	71 - 125	7122446	12/14/07 14:36
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	27.6			92%	52 - 145	7122446	12/14/07 14:36
7122499-BS1								
GRO as Gasoline	1000	771		ug/L	77%	71 - 125	7122499	12/12/07 01:02
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	28.7			96%	52 - 145	7122499	12/12/07 01:02
7122626-BS1								
GRO as Gasoline	1000	941		ug/L	94%	71 - 125	7122626	12/13/07 18:36
<i>Surrogate: a,a,a-Trifluorotoluene</i>	30.0	32.8			109%	52 - 145	7122626	12/13/07 18:36

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 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										
7121727-MS1										
Diesel	2.94	33.8		mg/kg	39.8	78%	19 - 146	7121727	NQL0965-07	12/11/07 23:22
<i>Surrogate: o-Terphenyl</i>		0.561		mg/kg	0.796	71%	18 - 150	7121727	NQL0965-07	12/11/07 23:22
7121728-MS1										
Diesel	ND	38.3		mg/kg	39.7	96%	19 - 146	7121728	NQL0959-01	12/11/07 23:24
<i>Surrogate: o-Terphenyl</i>		0.679		mg/kg	0.794	86%	18 - 150	7121728	NQL0959-01	12/11/07 23:24

Client URS Corporation (Gaithersburg) / SHELL (14022)
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878
 Attn Adriane Rogers

Work Order: NQL0965
 Project Name: 3401 King Street, Alexandria, VA (Tech)
 Project Number: SAP 100527
 Received: 12/08/07 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												
7121727-MSD1												
Diesel	2.94	33.7		mg/kg	38.6	80%	19 - 146	0.3	39	7121727	NQL0965-07	12/11/07 23:38
<i>Surrogate: o-Terphenyl</i>		0.574		mg/kg	0.771	74%	18 - 150			7121727	NQL0965-07	12/11/07 23:38
7121728-MSD1												
Diesel	ND	37.0		mg/kg	38.8	95%	19 - 146	3	39	7121728	NQL0959-01	12/11/07 23:44
<i>Surrogate: o-Terphenyl</i>		0.625		mg/kg	0.776	81%	18 - 150			7121728	NQL0959-01	12/11/07 23:44

Client URS Corporation (Gaithersburg) / SHELL (14022)
200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD 20878
Attn Adriane Rogers

Work Order: NQL0965
Project Name: 3401 King Street, Alexandria, VA (Tech)
Project Number: SAP 100527
Received: 12/08/07 08:30

CERTIFICATION SUMMARY

TestAmerica Nashville

Method	Matrix	AIHA	Nelac	Virginia
SW846 8015B	Soil	N/A	X	N/A
SW846 8021B	Soil	N/A	X	N/A

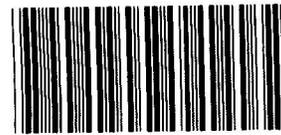
Client URS Corporation (Gaithersburg) / SHELL (14022)
200 Orchard Ridge Drive, Suite 101
Gaithersburg, MD 20878
Attn Adriane Rogers

Work Order: NQL0965
Project Name: 3401 King Street, Alexandria, VA (Tech)
Project Number: SAP 100527
Received: 12/08/07 08:30

DATA QUALIFIERS AND DEFINITIONS

RL1 Reporting limit raised due to sample matrix effects.
ND Not detected at the reporting limit (or method detection limit if shown)

METHOD MODIFICATION NOTES



COOLER RECEIPT

NQL0965

Cooler Received/Opened On 12/08/2007 @ 0830

1. Tracking # 0280 (last 4 digits, FedEx)

Courier: FedEx IR Gun ID 90942856

2. Temperature of rep. sample or temp blank when opened: 0.8 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 (initial) MS

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 (initial) MS

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

If preservation in-house was needed, record standard ID of preservative used here _____

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 (initial) MS

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 (initial) MS

I certify that I attached a label with the unique LIMS number to each container (initial) MS

21. Were there Non-Conformance issues at login? YES..(NO) Was a PIPE generated? YES..(NO)..# _____

TEST AMERICA



Shell Oil Products US Chain Of Custody Record

2690 FOSTER CREIGHTON, NASHVILLE, TN 37204
 PHONE 800-765-0980 FAX# 616-726-3404
 241AT ONLY
 4310 E. ANDERSON RD. ORLANDO FL 32812
 1008 W. NINTH AVE. KING OF PRUSSIA, PA 19406

SOP US Project Manager to be Invoiced:
 SCIENCE & ENGINEERING
 TECHNICAL SERVICES
 CRMT HOUSTON
 BILL CONSULTANT

NAME OF PM TO BILL: *see Bill to Bill*
 NAME OF TS TO BILL: *see Bill to Bill*
 INCIDENT # (S&E ONLY):
 SAP or CRMT # (TS/CRMT): 1 0 0 5 2 7

PAGE 2 of 2
 12/1/07

URS Corporation
 200 Orchard Ridge Drive, Suite 101
 Gaithersburg, MD 20878

3401 King Street, Alexandria, VA
 Adriane Rogers
 REQUESTED ANALYSIS: *Mat Coskalis*

TURNAROUND TIME (CALENDAR DAYS)
 STANDARD (10 DAY) 5 DAYS 3 DAYS 2 DAYS 24 HOURS
 RESULTS NEEDED ON WEEKEND
 TEMPERATURE ON RECEIPT C°

LAB USE ONLY
 CONTAINER PID READINGS or Laboratory Notes
PID HEADSPACE readings

SPECIAL INSTRUCTIONS OR NOTES:
 See attached RUSH Approval Request

LAB USE ONLY	Field Sample Identification	SAMPLING		MATRIX	PRESERVATIVE					NO. OF CONT.	BTEX, MTBE, Naph (Method 8260)		TPH-DRO, TPH-GRO (Method 8015)		Date	Time	
		DATE	TIME		HEX	METH	HEXO	NONE	OTHER								
	100527 - NEWB11-2	12/1	0959	Soil					X		X						0.5
	100527 - NWB11-1	12/1	1000	Soil					X		X						0.0
	100527 - NWB11-2	12/1	1005	Soil					X		X						0.0
	100527 - SWB11-1	12/1	1058	Soil					X		X						0.0
	100527 - SWB11-2	12/1	1102	Soil					X		X						0.0
	100527 - T-01	12/1	1200	Soil					X		X						0.0
	100527 - T-02	12/1	1205	Soil					X		X						0.6
	100527 - T-03	12/1	1240	Soil					X		X						0.0
	100527 - T-04	12/1	1245	Soil					X		X						0.4
	100527 -			Soil					X		X						

Requested by: Signature
 FedEx #8584 6579 7762
 Received by: Signature
Adriane Rogers
 Date: 12-1-07
 Time: 0830

Jennifer Huckaba

From: Adriane_Rogers@URSCorp.com
Sent: Tuesday, December 11, 2007 6:36 AM
To: Jennifer Huckaba
Subject: RE: Shell #100527 - Expedited TAT on all samples now needed

Jennifer,

They are all soil samples. The analysis is BTEX, MTBE, Naph (Method 8260 or 8021 whatever will be faster) and TPH-DRO and TPH-GRO (Method 8015).

Thanks you for your assistance.

Adriane Rogers
Engineer
URS Corporation
200 Orchard Ridge Dr., Suite 101
Gaithersburg, MD 20878
Phone: 301.258.5892
Cell: 443.799.5392
Fax: 301.869.8728
Email: adriane_rogers@urscorp.com

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▼ "Jennifer Huckaba" <Jennifer.Huckaba@testamericainc.com>

"Jennifer Huckaba"
<Jennifer.Huckaba@testamericainc.com>

12/10/2007 07:21 PM

To<Adriane_Rogers@URSCorp.com>
cc
SubjectRE: Shell #100527 - Expedited TAT on all
samples now needed

In order to arrange the TAT, can you go in to detail about the parameters for the soil from Saturday and the water for Tuesday.

Since they were originally standard TAT, they are not logged in yet (from Saturday), so I do not have a COC to look at right now. I've given your email to our operations manager and he has sent the information to the log-in group for when they arrive tomorrow to be looking for the cooler from Saturday to have it logged in and expedited and then the new samples to arrive tomorrow. If you can get back to me before early morning tomorrow I can also get that information to our operations manager to better schedule what you are needing.

Depending on your tests needed we will determine what the quickest TAT will be.

Thank you.

JENNIFER HUCKABA
Sr. Project Manager

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

2960 Foster Creighton Drive

12/11/2007

Nashville, TN 37204
Tel 800.765.0980 | Direct 615.301.5042
www.testamericainc.com www.stl-inc.com

Please note that my email address has changed. You will now be able to reach me at Jennifer.Huckaba@testamericainc.com.

From: Adriane_Rogers@URSCorp.com [mailto:Adriane_Rogers@URSCorp.com]
Sent: Monday, December 10, 2007 5:32 PM
To: Jennifer Huckaba
Subject: Shell #100527 - Expedited TAT on all samples now needed

Jennifer,

I just heard from our Shell Engineer that he would like expedited TAT on all of the soil samples for Shell #100527, 3401 King Street, Alexandria, VA. Test America received 12 samples on Saturday, December 8, 2007 (Fed-ex Tracking #934873790280) and will receive 6 samples on Tuesday, December 11, 2007 (Fed Ex Tracking #934873754559). Can you please let me know the earliest that we can receive these results as we have a open excavation in Alexandria waiting to be backfilled. I apologize about the short notice.

Thanks!

Adriane Rogers
Engineer
URS Corporation
200 Orchard Ridge Dr., Suite 101
Gaithersburg, MD 20878
Phone: 301.258.5892
Cell: 443.799.5392
Fax: 301.869.8728
Email: adriane_rogers@urscorp.com

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12/11/2007

Appendix I
EDR Database Report



EDR™ Environmental
Data Resources Inc

The EDR Radius Map with GeoCheck®

**100527
3401 KING ST
ALEXANDRIA, VA 22302**

Inquiry Number: 01428546.44r

May 25, 2005

The Standard in Environmental Risk Management Information

440 Wheelers Farms Road
Milford, Connecticut 06460

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: 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 Environmental Data Resources, Inc. (EDR). The report meets the government records search requirements of ASTM Standard Practice for Environmental Site Assessments, E 1527-00. Search distances are per ASTM standard or custom distances requested by the user.

TARGET PROPERTY INFORMATION

ADDRESS

3401 KING ST
ALEXANDRIA, VA 22302

COORDINATES

Latitude (North):	38.824900 - 38° 49' 29.6"
Longitude (West):	77.084500 - 77° 5' 4.2"
Universal Transverse Mercator:	Zone 18
UTM X (Meters):	319042.2
UTM Y (Meters):	4299202.5
Elevation:	189 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property:	38077-G1 ALEXANDRIA, VA DC MD
Source:	USGS 7.5 min quad index

TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified.

Elevations have been determined from the USGS Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified. Sites with an elevation equal to or higher than the target property have been differentiated below from sites with an elevation lower than the target property. Page numbers and map identification numbers refer to the EDR Radius Map report where detailed data on individual sites can be reviewed.

Sites listed in ***bold italics*** are in multiple databases.

Unmappable (orphan) sites are not considered in the foregoing analysis.

STATE ASTM STANDARD

LUST: The Leaking Underground Storage Tank Database.

A review of the LUST list, as provided by EDR, has revealed that there are 24 LUST sites within

EXECUTIVE SUMMARY

approximately 1 mile of the target property.

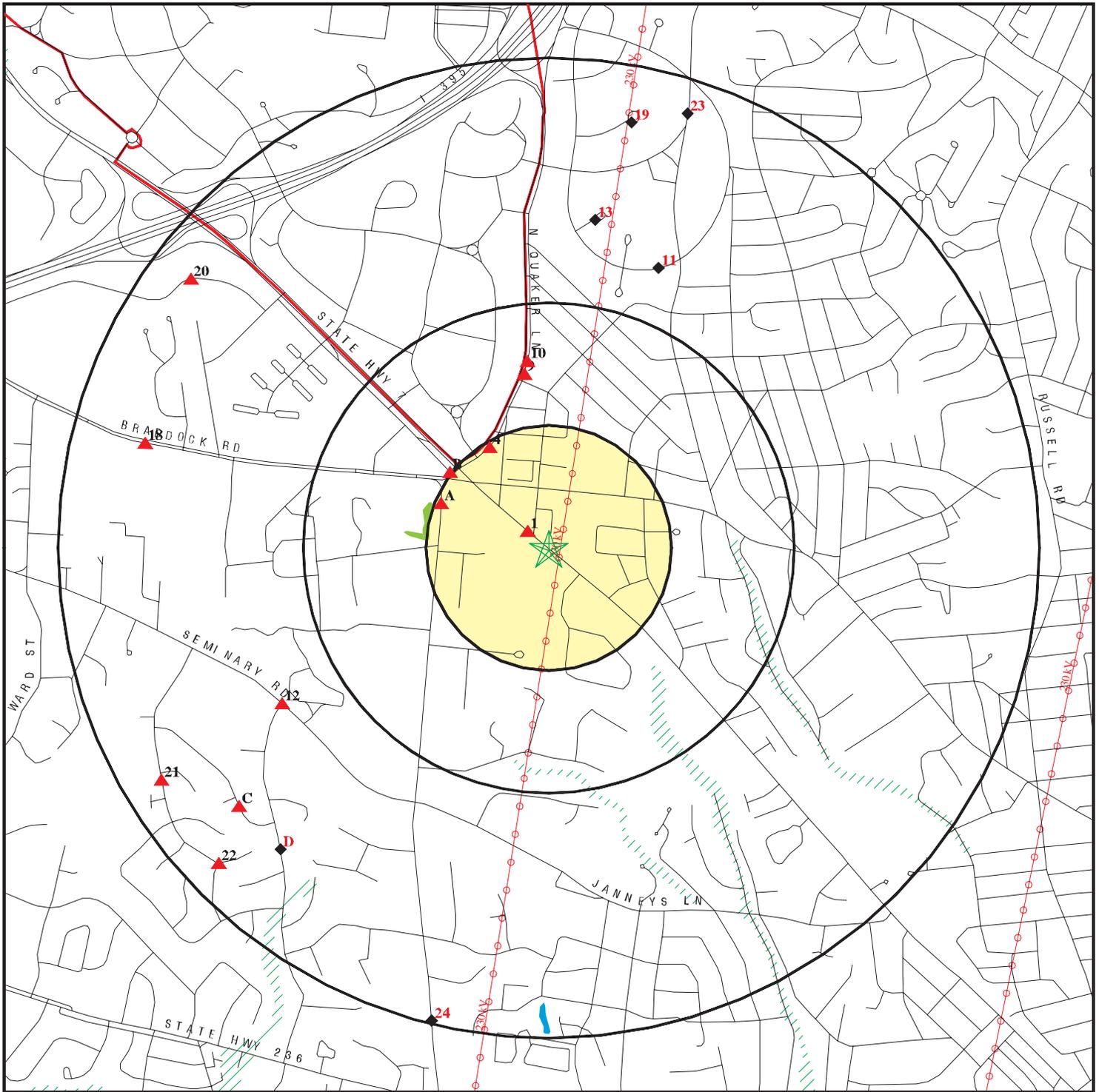
<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
T. C. WILLIAMS HIGH SCHOOL	3330 KING STREET	0 - 1/8 NW	1	5
QUAKER LANE APARTMENTS	1215 NORTH QUAKER LANE	1/8 - 1/4 WNW	A2	5
QUAKER LANE APARTMENTS	1221 NORTH QUAKER LANE	1/8 - 1/4 WNW	A3	5
CITGO FAIRLINGTON (PREP)	1333 NORTH QUAKER LANE	1/8 - 1/4 NNW	4	6
BP STATION	3500 KING STREET	1/4 - 1/2 NW	B5	6
TOSCO #263 5096 (FORMER MOBIL	3500 KING STREET	1/4 - 1/2 NW	B6	6
MOBIL #16-DG6	3500 KING STREET	1/4 - 1/2 NW	B7	7
MOBIL #16-DG6	3500 KING STREET	1/4 - 1/2 NW	B8	7
AMOCO #3454	1615 NORTH QUAKER LANE	1/4 - 1/2 N	9	7
SUNOCO/FAIRLINGTON	1639 NORTH QUAKER LANE	1/4 - 1/2 N	10	8
VIRGINIA THEOLOGICAL SEMINARY	3737 SEMINARY ROAD	1/2 - 1 WSW	12	9
PRITCHARD, CHESLEY RESIDENCE	3810 COLONEL ELLIS AVEN	1/2 - 1 SW	C14	9
SIMMS, LOIS RESIDENCE	3809 COLONEL ELLIS AVEN	1/2 - 1 SW	C16	10
PARKLAWN ELEMENTARY SCHOOL (FF	4116 BRADDOCK ROAD	1/2 - 1 WNW	18	11
BRADDOCK-LEE APARTMENTS	2623 NORTH. VAN DORN ST	1/2 - 1 NW	20	11
SAINT STEPHENS SCHOOL	1000 SAINT STEPHENS ROA	1/2 - 1 WSW	21	12
ROSS-O'BRIEN, SUSAN RESIDENCE	800 ST. STEPHENS ROAD	1/2 - 1 SW	22	12
<u>Lower Elevation</u>	<u>Address</u>	<u>Dist / Dir</u>	<u>Map ID</u>	<u>Page</u>
PARKFAIRFAX CONDOMINIUMS	3138 MARTHA CUSTIS DRIV	1/2 - 1 NNE	11	8
PARKFAIRFAX CONDOMINIUMS	1622 RIPPON PLACE	1/2 - 1 N	13	9
HARTLE-QUANTIUS, TERRY & SUSAN	519 FORT WILLIAMS PARKW	1/2 - 1 SW	D15	10
BRYANT, MARGARET RESIDENCE	515 FORT WILLIAMS HIGHW	1/2 - 1 SW	D17	10
PARKFAIRFAX CONDOMINIUMS	1574 MOUNT EAGLE PLACE	1/2 - 1 N	19	11
PARKFAIRFAX CONDOMINIUMS	3526 VALLEY DRIVE	1/2 - 1 NNE	23	13
EPISCOPAL HIGH SCHOOL	200 NORTH QUAKER LANE	1/2 - 1 SSW	24	13

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
RF&P POTOMAC YARD TRAIN WRECK	LUST
ELBERSELD, KATIE RESIDENCE	LUST
FAIRFAX COUNTY WATER TREATMENT PLANT (TA	LUST
GUEST QUARTERS	LUST
FORK UNION MILITARY ACADEMY	LUST

OVERVIEW MAP - 01428546.44r - Delta Env. Petroleum Division

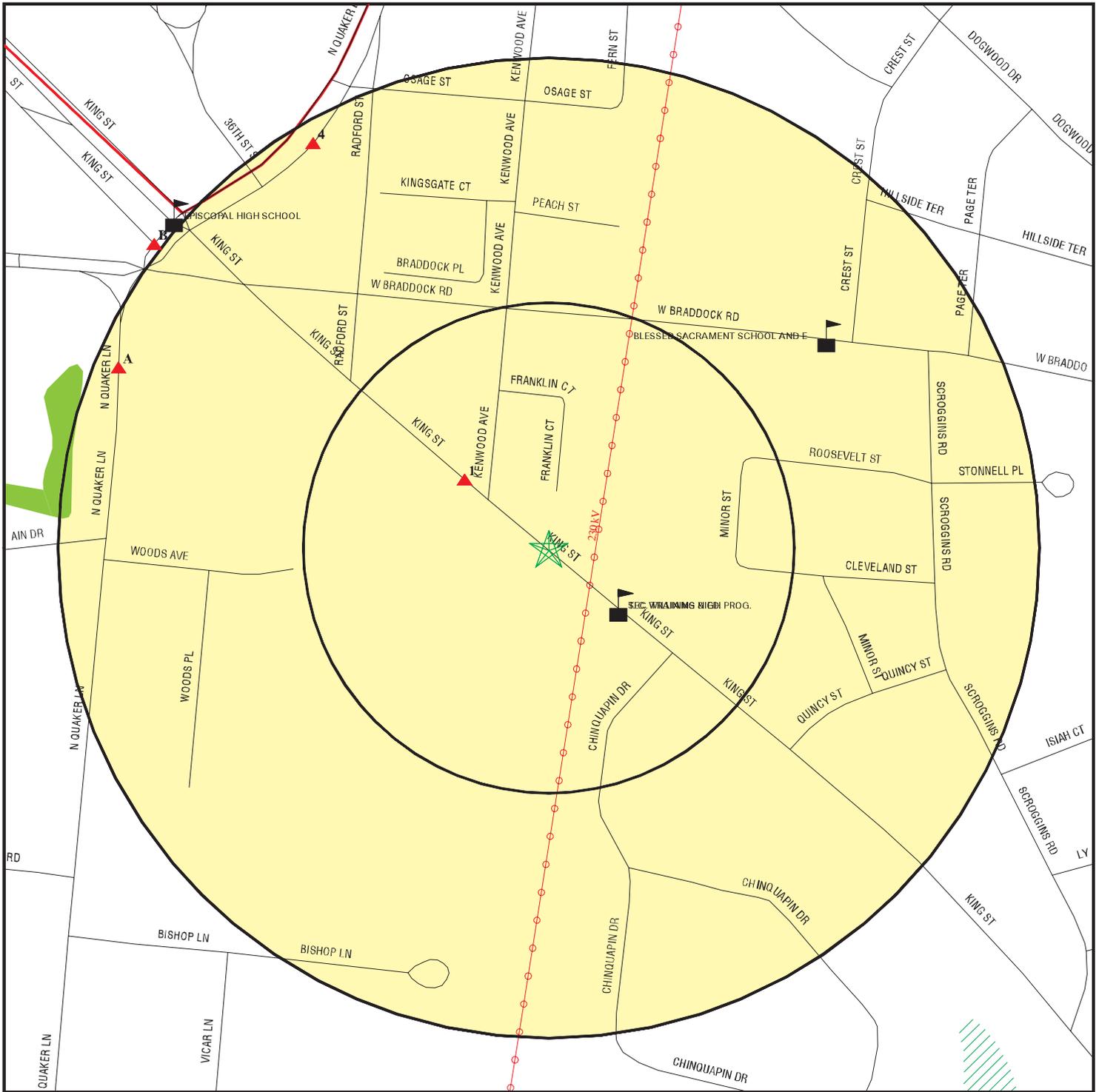


- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ▲ Coal Gasification Sites
- ☒ National Priority List Sites
- ☒ Landfill Sites
- ⚡ County Boundary
- ⚡ Power transmission lines
- ⚡ Oil & Gas pipelines
- ▨ 100-year flood zone
- ▨ 500-year flood zone
- Federal Wetlands

TARGET PROPERTY: 100527
 ADDRESS: 3401 KING ST
 CITY/STATE/ZIP: ALEXANDRIA VA 22302
 LAT/LONG: 38.8249 / 77.0845

CUSTOMER: Delta Env. Petroleum Division
 CONTACT: Brad Clark
 INQUIRY #: 01428546.44r
 DATE: May 25, 2005 12:15 pm

DETAIL MAP - 01428546.44r - Delta Env. Petroleum Division



- ★ Target Property
- ▲ Sites at elevations higher than or equal to the target property
- ◆ Sites at elevations lower than the target property
- ⚡ Coal Gasification Sites
- ⚡ Sensitive Receptors
- 🚧 National Priority List Sites
- 🗑️ Landfill Sites

- 📏 County Boundary
- ⚡ Power transmission lines
- 🛢️ Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 Federal Wetlands



TARGET PROPERTY: 100527
 ADDRESS: 3401 KING ST
 CITY/STATE/ZIP: ALEXANDRIA VA 22302
 LAT/LONG: 38.8249 / 77.0845

CUSTOMER: Delta Env. Petroleum Division
 CONTACT: Brad Clark
 INQUIRY #: 01428546.44r
 DATE: May 25, 2005 12:16 pm

MAP FINDINGS SUMMARY

<u>Database</u>	<u>Target Property</u>	<u>Search Distance (Miles)</u>	<u>< 1/8</u>	<u>1/8 - 1/4</u>	<u>1/4 - 1/2</u>	<u>1/2 - 1</u>	<u>> 1</u>	<u>Total Plotted</u>
<u>STATE ASTM STANDARD</u>								
LUST		1.000	1	3	6	14	NR	24

NOTES:

AQUIFLOW - see EDR Physical Setting Source Addendum

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

N/A = This State does not maintain a SHWS list. See the Federal CERCLIS list.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

1
NW
< 1/8
293 ft.

T. C. WILLIAMS HIGH SCHOOL
3330 KING STREET
ALEXANDRIA, VA 22302

LUST **S103916376**
N/A

Relative:
Equal

LUST Region NO:
 Facility ID: 3900298
 Pollution Complaint #: 99-3002
 Priority: Not reported
 Release Date: 07/01/1998
 Status: Closed
 Closed Date: 11/3/98
 Permit Number: Not reported
 Tank Size: 30,000
 Product: heating oil
 Cas Type: Article 11
 Case Officer: Ron C. Linton
 Region: Northern

Actual:
189 ft.

A2
WNW
1/8-1/4
1249 ft.

QUAKER LANE APARTMENTS
1215 NORTH QUAKER LANE
ALEXANDRIA, VA 22302

LUST **S104407561**
N/A

Site 1 of 2 in cluster A

Relative:
Higher

LUST Region NO:
 Facility ID: 3900092
 Pollution Complaint #: 00-3144
 Priority: Not reported
 Release Date: 09/28/1999
 Status: Closed
 Closed Date: 10/6/00
 Permit Number: Not reported
 Tank Size: 5,000
 Product: heating oil
 Cas Type: Article 11
 Case Officer: James D. Green
 Region: Northern

Actual:
198 ft.

A3
WNW
1/8-1/4
1255 ft.

QUAKER LANE APARTMENTS
1221 NORTH QUAKER LANE
ALEXANDRIA, VA 22302

LUST **S104407566**
N/A

Site 2 of 2 in cluster A

Relative:
Higher

LUST Region NO:
 Facility ID: 3900097
 Pollution Complaint #: 00-3150
 Priority: Not reported
 Release Date: 09/28/1999
 Status: Closed
 Closed Date: 10/6/00
 Permit Number: Not reported
 Tank Size: 5,000
 Product: heating oil
 Cas Type: Article 11
 Case Officer: James D. Green
 Region: Northern

Actual:
198 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

4
NNW
1/8-1/4
1262 ft.

CITGO FAIRLINGTON (PREP)
1333 NORTH QUAKER LANE
ALEXANDRIA, VA 0

LUST **S104406996**
N/A

Relative:
Higher

LUST Region NO:
 Facility ID: 3900901
 Pollution Complaint #: 95-3793
 Priority: -
 Release Date: 11/03/1994
 Status: Closed
 Closed Date: 5/21/97
 Permit Number: 0
 Tank Size: 0
 Product: Not reported
 Cas Type: Article 11
 Case Officer: Ron C. Linton
 Region: Northern

Actual:
204 ft.

B5
NW
1/4-1/2
1341 ft.

BP STATION
3500 KING STREET
ALEXANDRIA, VA 22302

LUST **S104896886**
N/A

Site 1 of 4 in cluster B

Relative:
Higher

LUST Region NO:
 Facility ID: 3900756
 Pollution Complaint #: 88-0020
 Priority: -
 Release Date: 07/06/1987
 Status: Closed
 Closed Date: 8/5/94
 Permit Number: 0
 Tank Size: 0
 Product: Not reported
 Cas Type: Article 9
 Case Officer: Randy Chapman
 Region: Northern

Actual:
196 ft.

B6
NW
1/4-1/2
1341 ft.

TOSCO #263 5096 (FORMER MOBIL 16-DG6)
3500 KING STREET
ALEXANDRIA, VA 22302

LUST **S105983991**
N/A

Site 2 of 4 in cluster B

Relative:
Higher

LUST Region NO:
 Facility ID: 3007685
 Pollution Complaint #: 00-3299
 Priority: Not reported
 Release Date: 04/06/2000
 Status: Open
 Closed Date: Not reported
 Permit Number: Not reported
 Tank Size: unknown
 Product: gasoline
 Cas Type: Article 9
 Case Officer: Riaz Syed
 Region: Northern

Actual:
196 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

B7
NW
 1/4-1/2
 1341 ft.

MOBIL #16-DG6
3500 KING STREET
ALEXANDRIA, VA 0

LUST S105982935
N/A

Site 3 of 4 in cluster B

Relative:
Higher

LUST Region NO:
 Facility ID: 3015169
 Pollution Complaint #: 89-1731
 Priority: -
 Release Date: 06/14/1989
 Status: Closed
 Closed Date: 8/23/89
 Permit Number: 0
 Tank Size: 0
 Product: Not reported
 Cas Type: Article 9
 Case Officer: Thomas R. Lancaster, P.G.
 Region: Northern

Actual:
196 ft.

Facility ID: 3015169
 Pollution Complaint #: 96-3170
 Priority: 3
 Release Date: 05/07/1996
 Status: Closed
 Closed Date: 8/4/98
 Permit Number: Not reported
 Tank Size: 0
 Product: Not reported
 Cas Type: Article 9
 Case Officer: Thomas R. Lancaster, P.G.
 Region: Northern

B8
NW
 1/4-1/2
 1341 ft.

MOBIL #16-DG6
3500 KING STREET
ALEXANDRIA, VA 22302

LUST S105983653
N/A

Site 4 of 4 in cluster B

Relative:
Higher

Actual:
196 ft.

9
North
 1/4-1/2
 1896 ft.

AMOCO #3454
1615 NORTH QUAKER LANE
ALEXANDRIA, VA 22302

LUST S103457514
N/A

Relative:
Higher

LUST Region NO:
 Facility ID: 3014820
 Pollution Complaint #: 83-0402
 Priority: -
 Release Date: 01/27/1983
 Status: Closed
 Closed Date: 8/5/94
 Permit Number: 0
 Tank Size: 0
 Product: Not reported
 Cas Type: Article 9
 Case Officer: Randy Chapman
 Region: Northern

Actual:
193 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

AMOCO #3454 (Continued)

S103457514

Facility ID: 3014820
Pollution Complaint #: 89-0468
Priority: 3
Release Date: 10/28/1988
Status: Closed
Closed Date: 1/16/96
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 9
Case Officer: Randy Chapman
Region: Northern

10
North
1/4-1/2
2028 ft.

SUNOCO/FAIRLINGTON
1639 NORTH QUAKER LANE
ALEXANDRIA, VA 0

LUST S103457533
N/A

Relative:
Higher

LUST Region NO:
Facility ID: 3024588
Pollution Complaint #: 84-0418
Priority: -
Release Date: 03/27/1984
Status: Closed
Closed Date: 8/5/94
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 9
Case Officer: Bill Von Till
Region: Northern

Actual:
191 ft.

Facility ID: 3024588
Pollution Complaint #: 90-0024
Priority: 3
Release Date: 06/27/1989
Status: Closed
Closed Date: 7/9/96
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 9
Case Officer: Bill Von Till
Region: Northern

11
NNE
1/2-1
3240 ft.

PARKFAIRFAX CONDOMINIUMS
3138 MARTHA CUSTIS DRIVE
ALEXANDRIA, VA 22302

LUST S104957259
N/A

Relative:
Lower

LUST Region NO:
Facility ID: 0
Pollution Complaint #: Jan-86
Priority: Not reported
Release Date: 03/15/2001
Status: Open
Closed Date: Not reported

Actual:
152 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

PARKFAIRFAX CONDOMINIUMS (Continued)

S104957259

Permit Number: Not reported
Tank Size: 6,000
Product: heating oil
Cas Type: Article 11
Case Officer: Mark L. Miller
Region: Northern

**12
WSW
1/2-1
3319 ft.**

**VIRGINIA THEOLOGICAL SEMINARY
3737 SEMINARY ROAD
ALEXANDRIA, VA 0**

**LUST S105983186
N/A**

**Relative:
Higher**

LUST Region NO:
Facility ID: 3025227
Pollution Complaint #: 92-0625
Priority: -
Release Date: 10/03/1991
Status: Closed
Closed Date: 12/1/91
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 9
Case Officer: Bill Von Till
Region: Northern

**Actual:
270 ft.**

**13
North
1/2-1
3571 ft.**

**PARKFAIRFAX CONDOMINIUMS
1622 RIPPON PLACE
ALEXANDRIA, VA 22302**

**LUST S105502401
N/A**

**Relative:
Lower**

LUST Region NO:
Facility ID: 0
Pollution Complaint #: Jan-43
Priority: Not reported
Release Date: 04/28/2000
Status: Open
Closed Date: Not reported
Permit Number: Not reported
Tank Size: 4,000
Product: heating oil
Cas Type: Article 11
Case Officer: Mark L. Miller
Region: Northern

**Actual:
172 ft.**

**C14
SW
1/2-1
4337 ft.**

**PRITCHARD, CHESLEY RESIDENCE
3810 COLONEL ELLIS AVENUE
ALEXANDRIA, VA 22304**

**LUST S103916321
N/A**

Site 1 of 2 in cluster C

**Relative:
Higher**

LUST Region NO:
Facility ID: 3900333
Pollution Complaint #: 98-3687
Priority: Not reported
Release Date: 03/02/1998
Status: Closed
Closed Date: 3/23/00

**Actual:
199 ft.**

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
 EPA ID Number

PRITCHARD, CHESLEY RESIDENCE (Continued)

S103916321

Permit Number: Not reported
 Tank Size: 275
 Product: heating oil
 Cas Type: Article 11
 Case Officer: James D. Green
 Region: Northern

D15 HARTLE-QUANTIUS, TERRY & SUSAN RESIDENCE
SW 519 FORT WILLIAMS PARKWAY
1/2-1 ALEXANDRIA, VA 22304
4342 ft.

LUST S104957258
N/A

Site 1 of 2 in cluster D

Relative:
Lower

LUST Region NO:
 Facility ID: 0
 Pollution Complaint #: Jan-85
 Priority: Not reported
 Release Date: 03/21/2001
 Status: Open
 Closed Date: Not reported
 Permit Number: Not reported
 Tank Size: 550
 Product: heating oil
 Cas Type: Article 11
 Case Officer: James D. Green
 Region: Northern

Actual:
152 ft.

C16 SIMMS, LOIS RESIDENCE
SW 3809 COLONEL ELLIS AVENUE
1/2-1 ALEXANDRIA, VA 22304
4343 ft.

LUST S103916447
N/A

Site 2 of 2 in cluster C

Relative:
Higher

LUST Region NO:
 Facility ID: 3900332
 Pollution Complaint #: 99-3128
 Priority: Not reported
 Release Date: 10/21/1998
 Status: Open
 Closed Date: Not reported
 Permit Number: Not reported
 Tank Size: 550
 Product: heating oil
 Cas Type: Article 11
 Case Officer: James D. Green
 Region: Northern

Actual:
197 ft.

D17 BRYANT, MARGARET RESIDENCE
SW 515 FORT WILLIAMS HIGHWAY
1/2-1 ALEXANDRIA, VA 22304
4392 ft.

LUST S104407430
N/A

Site 2 of 2 in cluster D

Relative:
Lower

LUST Region NO:
 Facility ID: 3900403
 Pollution Complaint #: 99-3164
 Priority: Not reported
 Release Date: 11/30/1998

Actual:
155 ft.

Map ID
Direction
Distance
Distance (ft.)
Elevation Site

MAP FINDINGS

Database(s) EDR ID Number
EPA ID Number

BRYANT, MARGARET RESIDENCE (Continued)

S104407430

Status: Closed
Closed Date: 12/11/98
Permit Number: Not reported
Tank Size: 550
Product: heating oil
Cas Type: Article 11
Case Officer: James D. Green
Region: Northern

18 WNW 1/2-1 4487 ft.
PARKLAWN ELEMENTARY SCHOOL (FFXC)
4116 BRADDOCK ROAD
FAIRFAX, VA 22312

LUST S105983143
N/A

Relative: Higher
Actual: 270 ft.
LUST Region NO:
Facility ID: 3023887
Pollution Complaint #: 91-1875
Priority: -
Release Date: 06/14/1991
Status: Closed
Closed Date: 9/30/94
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 9
Case Officer: Randy Chapman
Region: Northern

19 North 1/2-1 4671 ft.
PARKFAIRFAX CONDOMINIUMS
1574 MOUNT EAGLE PLACE
ALEXANDRIA, VA 22302

LUST S104957265
N/A

Relative: Lower
Actual: 171 ft.
LUST Region NO:
Facility ID: 0
Pollution Complaint #: Jan-92
Priority: Not reported
Release Date: 03/27/2001
Status: Open
Closed Date: Not reported
Permit Number: Not reported
Tank Size: 3,000
Product: heating oil
Cas Type: Article 11
Case Officer: Mark L. Miller
Region: Northern

20 NW 1/2-1 4820 ft.
BRADDOCK-LEE APARTMENTS
2623 NORTH. VAN DORN STREET
ALEXANDRIA, VA 0

LUST S103458083
N/A

Relative: Higher
Actual: 210 ft.
LUST Region NO:
Facility ID: 3024689
Pollution Complaint #: 91-0367
Priority: 4
Release Date: 09/11/1990
Status: Closed

Map ID
Direction
Distance
Distance (ft.)
Elevation

MAP FINDINGS

BRADDOCK-LEE APARTMENTS (Continued)

EDR ID Number
EPA ID Number

Database(s)

S103458083

Closed Date: 10/20/94
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 11
Case Officer: Lewis E. Hilder
Region: Northern

Facility ID: 3024689
Pollution Complaint #: 93-0171
Priority: -
Release Date: 07/22/1992
Status: Closed
Closed Date: 9/15/92
Permit Number: 0
Tank Size: 0
Product: Not reported
Cas Type: Article 9
Case Officer: Lewis E. Hilder
Region: Northern

21
WSW
1/2-1
4855 ft.

SAINT STEPHENS SCHOOL
1000 SAINT STEPHENS ROAD
ALEXANDRIA, VA 22304

LUST S104957196
N/A

Relative:
Higher

LUST Region NO:
Facility ID: 0
Pollution Complaint #: Jan-12
Priority: Not reported
Release Date: 12/01/2000
Status: Closed
Closed Date: 3/14/01
Permit Number: Not reported
Tank Size: unknown
Product: heating oil
Cas Type: Article 11
Case Officer: James D. Green
Region: Northern

Actual:
269 ft.

22
SW
1/2-1
4909 ft.

ROSS-O'BRIEN, SUSAN RESIDENCE
800 ST. STEPHENS ROAD
ALEXANDRIA, VA 22314

LUST S104407457
N/A

Relative:
Higher

LUST Region NO:
Facility ID: 3900554
Pollution Complaint #: 99-3226
Priority: Not reported
Release Date: 01/12/1999
Status: Closed
Closed Date: 4/5/01
Permit Number: Not reported
Tank Size: unknown
Product: heating oil
Cas Type: Article 11
Case Officer: James D. Green
Region: Northern

Actual:
251 ft.

MAP FINDINGS

Map ID
 Direction
 Distance
 Distance (ft.)
 Elevation

Site

Database(s)

EDR ID Number
 EPA ID Number

23 **PARKFAIRFAX CONDOMINIUMS**
NNE **3526 VALLEY DRIVE**
1/2-1 **ALEXANDRIA, VA 22302**
4912 ft.

LUST **S104957271**
 N/A

Relative: LUST Region NO:
Lower Facility ID: 0
 Pollution Complaint #: Jan-99
Actual: Priority: Not reported
98 ft. Release Date: 03/30/2001
 Status: Open
 Closed Date: Not reported
 Permit Number: Not reported
 Tank Size: Not reported
 Product: heating oil
 Cas Type: Article 11
 Case Officer: Mark L. Miller
 Region: Northern

24 **EPISCOPAL HIGH SCHOOL**
SSW **200 NORTH QUAKER LANE**
1/2-1 **ALEXANDRIA, VA 22301**
5243 ft.

LUST **S104407575**
 N/A

Relative: LUST Region NO:
Lower Facility ID: 3002234
 Pollution Complaint #: 00-3230
Actual: Priority: Not reported
178 ft. Release Date: 01/14/2000
 Status: Open
 Closed Date: Not reported
 Permit Number: Not reported
 Tank Size: unknown
 Product: heating oil
 Cas Type: Article 11
 Case Officer: Randy Chapman
 Region: Northern

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
ALEXANDRIA	S104406804	RF&P POTOMAC YARD TRAIN WRECK	2500 BLOCK JEFFERSON DAVIS HIGHWAY		LUST
ALEXANDRIA	S104957270	ELBERSELD, KATIE RESIDENCE	523 FORT WILLIAM PARKWAY	22304	LUST
ALEXANDRIA	S103459404	FAIRFAX COUNTY WATER TREATMENT PLANT (TA	JEFFERSON DAVIS HIGHWAY		LUST
ALEXANDRIA	S105983384	GUEST QUARTERS	100 SOUTH RANDOLPH STREET		LUST
FORK UNION	U003693205	FORK UNION MILITARY ACADEMY	STATE ROUTE 652	22304	LUST

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

To maintain currency of the following federal and state databases, EDR contacts the appropriate governmental agency on a monthly or quarterly basis, as required.

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM STANDARD RECORDS

FEDERAL ASTM SUPPLEMENTAL RECORDS

BRS: Biennial Reporting System

Source: EPA/NTIS

Telephone: 800-424-9346

The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/01/01
Database Release Frequency: Biennially

Date of Last EDR Contact: 04/15/05
Date of Next Scheduled EDR Contact: 06/13/05

STATE OF VIRGINIA ASTM STANDARD RECORDS

LUST REG NO: Leaking Underground Storage Tank Tracking Database
Source: Department of Environmental Quality Northern Regional Office
Telephone: 703-583-3822

Date of Government Version: 05/18/04
Date Made Active at EDR: 07/09/04
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 05/22/04
Elapsed ASTM days: 48
Date of Last EDR Contact: 04/28/05

LUST REG PD: Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality Piedmont Regional Office
Telephone: 804-527-5020

Date of Government Version: 02/28/05
Date Made Active at EDR: 03/29/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 02/28/05
Elapsed ASTM days: 29
Date of Last EDR Contact: 02/28/05

LUST REG SW: Leaking Underground Storage Tank Database
Source: Department of Environmental Quality Southwest Regional Office
Telephone: 504-676-5507

Date of Government Version: 09/08/04
Date Made Active at EDR: 10/11/04
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 09/09/04
Elapsed ASTM days: 32
Date of Last EDR Contact: 02/07/05

LUST REG TD: Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality Tidewater Regional Office
Telephone: 757-518-2198

Date of Government Version: 03/31/05
Date Made Active at EDR: 04/27/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 03/31/05
Elapsed ASTM days: 27
Date of Last EDR Contact: 03/28/05

LUST REG VA: Leaking Underground Storage Tank List
Source: Department of Environmental Quality Valley Regional Office
Telephone: 540-574-7800

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 08/01/01
Date Made Active at EDR: 09/19/01
Database Release Frequency: No Update Planned

Date of Data Arrival at EDR: 08/22/01
Elapsed ASTM days: 28
Date of Last EDR Contact: 03/28/05

LUST REG WC: Leaking Underground Storage Tank List
Source: Department of Environmental Quality West Central Regional Office
Telephone: 540-562-6700

Date of Government Version: 04/18/05
Date Made Active at EDR: 05/06/05
Database Release Frequency: Quarterly

Date of Data Arrival at EDR: 04/22/05
Elapsed ASTM days: 14
Date of Last EDR Contact: 03/28/05

LUST REG SC: Leaking Underground Storage Tanks
Source: Department of Environmental Quality, South Central Region
Telephone: 434-582-5120

Date of Government Version: 03/31/05
Date Made Active at EDR: 04/27/05
Database Release Frequency: Semi-Annually

Date of Data Arrival at EDR: 04/06/05
Elapsed ASTM days: 21
Date of Last EDR Contact: 03/28/05

Department of Environmental Quality (DEQ) LUST Records

LUST REG NO: Leaking Underground Storage Tank Tracking Database
Source: Department of Environmental Quality Northern Regional Office
Telephone: 703-583-3822

Date of Government Version: 05/18/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 04/28/05
Date of Next Scheduled EDR Contact: 06/27/05

LUST REG PD: Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality Piedmont Regional Office
Telephone: 804-527-5020

Date of Government Version: 02/28/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 02/28/05
Date of Next Scheduled EDR Contact: 05/30/05

LUST REG SW: Leaking Underground Storage Tank Database
Source: Department of Environmental Quality Southwest Regional Office
Telephone: 504-676-5507

Date of Government Version: 09/08/04
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 02/07/05
Date of Next Scheduled EDR Contact: 05/09/05

LUST REG TD: Leaking Underground Storage Tank Sites
Source: Department of Environmental Quality Tidewater Regional Office
Telephone: 757-518-2198

Date of Government Version: 03/31/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/28/05
Date of Next Scheduled EDR Contact: 06/27/05

LUST REG VA: Leaking Underground Storage Tank List
Source: Department of Environmental Quality Valley Regional Office
Telephone: 540-574-7800

Date of Government Version: 08/01/01
Database Release Frequency: No Update Planned

Date of Last EDR Contact: 03/28/05
Date of Next Scheduled EDR Contact: 06/27/05

LUST REG WC: Leaking Underground Storage Tank List
Source: Department of Environmental Quality West Central Regional Office
Telephone: 540-562-6700

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 04/18/05
Database Release Frequency: Quarterly

Date of Last EDR Contact: 03/28/05
Date of Next Scheduled EDR Contact: 06/27/05

LUST REG SC: Leaking Underground Storage Tanks
Source: Department of Environmental Quality, South Central Region
Telephone: 434-582-5120

Date of Government Version: 03/31/05
Database Release Frequency: Semi-Annually

Date of Last EDR Contact: 03/28/05
Date of Next Scheduled EDR Contact: 06/27/05

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

Oil/Gas Pipelines: This data was obtained by EDR from the USGS in 1994. It is referred to by USGS as GeoData Digital Line Graphs from 1:100,000-Scale Maps. It was extracted from the transportation category including some oil, but primarily gas pipelines.

Electric Power Transmission Line Data

Source: PennWell Corporation
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

AHA Hospitals:

Source: American Hospital Association, Inc.
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services
Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

Nursing Homes

Source: National Institutes of Health
Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

Public Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

Private Schools

Source: National Center for Education Statistics
Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

Daycare Centers: Licensed Facilities

Source: Department of Social Services
Telephone: 804-692-1900

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs
Telephone: 804-786-1756

STREET AND ADDRESS INFORMATION

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GEOCHECK[®] - PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

100527
3401 KING ST
ALEXANDRIA, VA 22302

TARGET PROPERTY COORDINATES

Latitude (North):	38.824902 - 38° 49' 29.6"
Longitude (West):	77.084503 - 77° 5' 4.2"
Universal Tranverse Mercator:	Zone 18
UTM X (Meters):	319042.2
UTM Y (Meters):	4299202.5
Elevation:	189 ft. above sea level

EDR's GeoCheck Physical Setting Source Addendum has been developed to assist the environmental professional with the collection of physical setting source information in accordance with ASTM 1527-00, Section 7.2.3. Section 7.2.3 requires that a current USGS 7.5 Minute Topographic Map (or equivalent, such as the USGS Digital Elevation Model) be reviewed. It also requires that one or more additional physical setting sources be sought when (1) conditions have been identified in which hazardous substances or petroleum products are likely to migrate to or from the property, and (2) more information than is provided in the current USGS 7.5 Minute Topographic Map (or equivalent) is generally obtained, pursuant to local good commercial or customary practice, to assess the impact of migration of recognized environmental conditions in connection with the property. Such additional physical setting sources generally include information about the topographic, hydrologic, hydrogeologic, and geologic characteristics of a site, and wells in the area.

Assessment of the impact of contaminant migration generally has two principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata. EDR's GeoCheck Physical Setting Source Addendum is provided to assist the environmental professional in forming an opinion about the impact of potential contaminant migration.

GEOCHECK[®] - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW DIRECTION INFORMATION

Groundwater flow direction for a particular site is best determined by a qualified environmental professional using site-specific well data. If such data is not reasonably ascertainable, it may be necessary to rely on other sources of information, such as surface topographic information, hydrologic information, hydrogeologic data collected on nearby properties, and regional groundwater flow information (from deep aquifers).

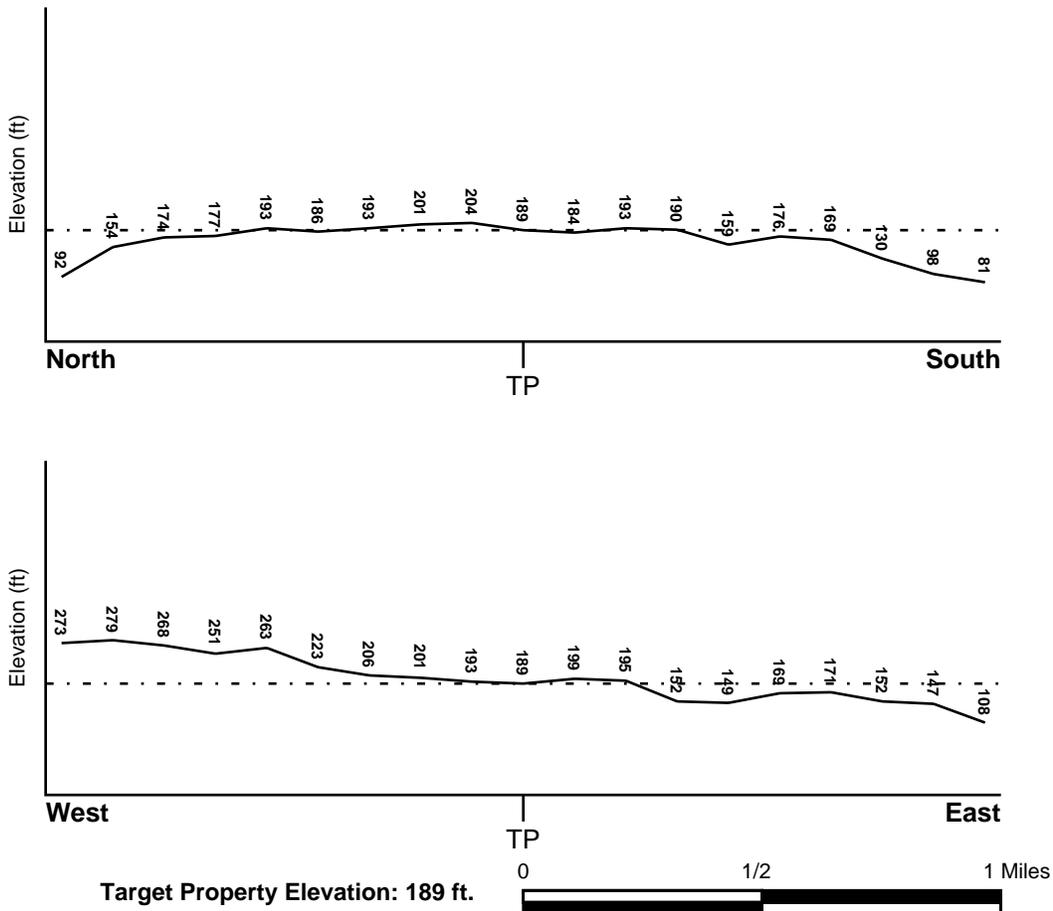
TOPOGRAPHIC INFORMATION

Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

USGS Topographic Map: 38077-G1 ALEXANDRIA, VA DC MD
 General Topographic Gradient: General ESE
 Source: USGS 7.5 min quad index

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

FEMA FLOOD ZONE

<u>Target Property County</u> ALEXANDRIA CITY, VA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
--	---

Flood Plain Panel at Target Property: 5155190005D

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> ALEXANDRIA	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
--	---

HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Site-Specific Hydrogeological Data:*

Search Radius:	1.25 miles
Status:	Not found

AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

GROUNDWATER FLOW VELOCITY INFORMATION

Groundwater flow velocity information for a particular site is best determined by a qualified environmental professional using site specific geologic and soil strata data. If such data are not reasonably ascertainable, it may be necessary to rely on other sources of information, including geologic age identification, rock stratigraphic unit and soil characteristics data collected on nearby properties and regional soil information. In general, contaminant plumes move more quickly through sandy-gravelly types of soils than silty-clayey types of soils.

GEOLOGIC INFORMATION IN GENERAL AREA OF TARGET PROPERTY

Geologic information can be used by the environmental professional in forming an opinion about the relative speed at which contaminant migration may be occurring.

ROCK STRATIGRAPHIC UNIT

Era: Mesozoic
System: Cretaceous
Series: Lower Cretaceous
Code: IK (decoded above as Era, System & Series)

GEOLOGIC AGE IDENTIFICATION

Category: Stratified Sequence

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name: DUMFRIES

Soil Surface Texture: sandy loam

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel: MODERATE

Depth to Bedrock Min: > 60 inches

Depth to Bedrock Max: > 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Permeability Rate (in/hr)	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	10 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
2	10 inches	29 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
3	29 inches	35 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay. FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50
4	35 inches	72 inches	loamy sand	Granular materials (35 pct. or less passing No. 200), Stone Fragments, Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 5.50 Min: 4.50

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: loam

Surficial Soil Types: loam

Shallow Soil Types: loam
clay loam

Deeper Soil Types: stratified
sandy loam

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

According to ASTM E 1527-00, Section 7.2.2, "one or more additional state or local sources of environmental records may be checked, in the discretion of the environmental professional, to enhance and supplement federal and state sources... Factors to consider in determining which local or additional state records, if any, should be checked include (1) whether they are reasonably ascertainable, (2) whether they are sufficiently useful, accurate, and complete in light of the objective of the records review (see 7.1.1), and (3) whether they are obtained, pursuant to local, good commercial or customary practice." One of the record sources listed in Section 7.2.2 is water well information. Water well information can be used to assist the environmental professional in assessing sources that may impact groundwater flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	1.000
State Database	1.000

FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS2211522	1/2 - 1 Mile SW

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No PWS System Found		

Note: PWS System location is not always the same as well location.

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

STATE DATABASE WELL INFORMATION

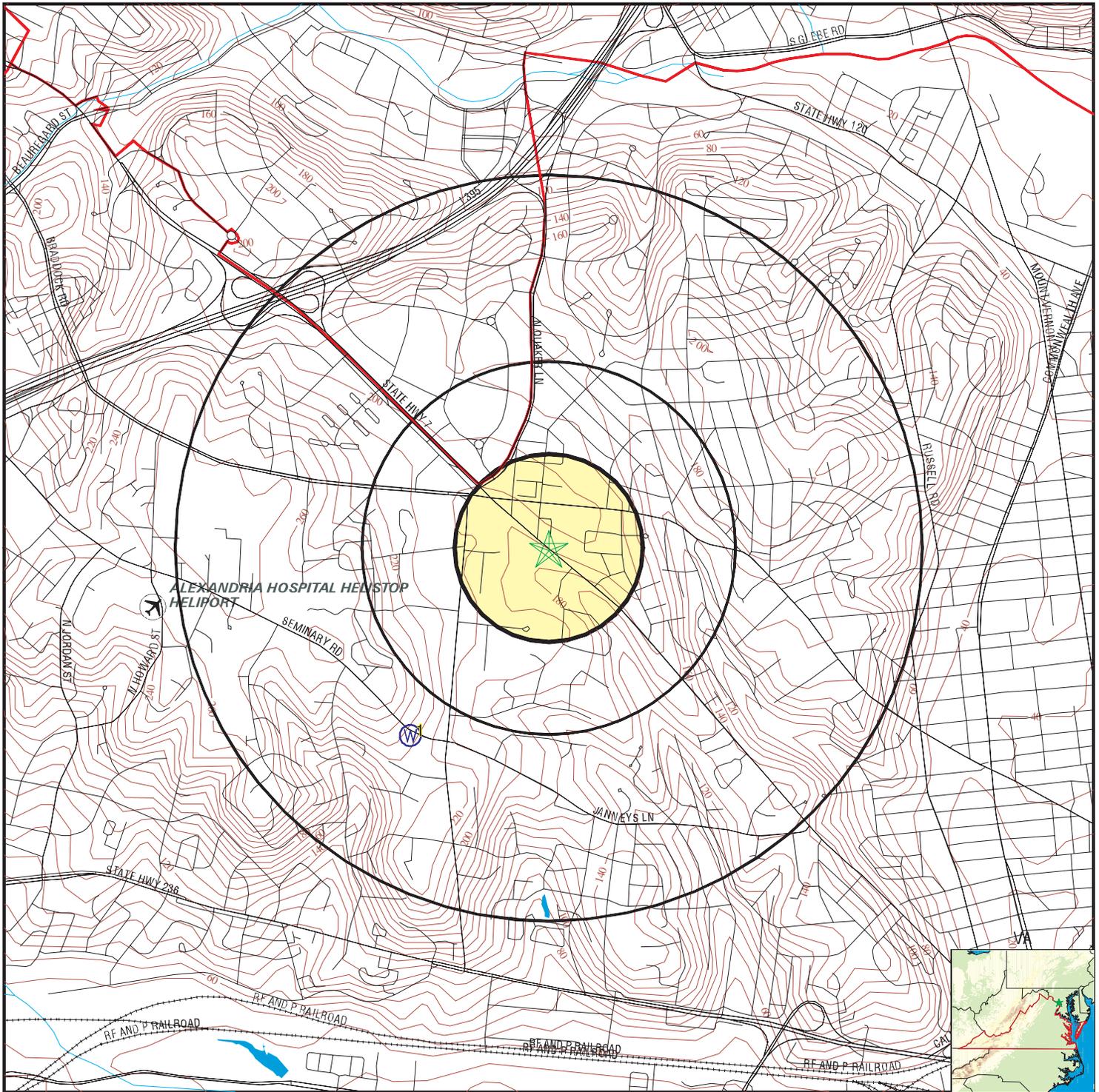
MAP ID

WELL ID

LOCATION
FROM TP

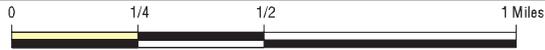
No Wells Found

PHYSICAL SETTING SOURCE MAP - 01428546.44r



- County Boundary
- Major Roads
- Contour Lines
- Airports
- Earthquake epicenter, Richter 5 or greater
- Water Wells
- Public Water Supply Wells
- Cluster of Multiple Icons

- Groundwater Flow Direction
- Indeterminate Groundwater Flow at Location
- Groundwater Flow Varies at Location
- Closest Hydrogeological Data



TARGET PROPERTY: 100527
 ADDRESS: 3401 KING ST
 CITY/STATE/ZIP: ALEXANDRIA VA 22302
 LAT/LONG: 38.8249 / 77.0845

CUSTOMER: Delta Env. Petroleum Division
 CONTACT: Brad Clark
 INQUIRY #: 01428546.44r
 DATE: May 25, 2005 12:16 pm

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID
 Direction
 Distance
 Elevation

Database EDR ID Number

1
SW
1/2 - 1 Mile
Higher

FED USGS USGS2211522

Agency cd:	USGS	Site no:	384903077053001
Site name:	54U 34D		
Latitude:	384903		
Longitude:	0770530	Dec lat:	38.81761307
Dec lon:	-77.09136721	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	51
State:	51	County:	059
Country:	US	Land net:	Not Reported
Location map:	ALEXANDRIA	Map scale:	24000
Altitude:	240.00	Altitude method:	M
Altitude accuracy:	120	Altitude datum:	NGVD29
Hydrologic:	Middle PotomacAnacostiaOccoquan. District of Columbia, Maryland, Virginia. Area = 1280 sq.mi.		
Topographic:	Hillside (slope)		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	19901213	Mean greenwich time offset:	EST
Local standard time flag:	Y	Type of ground water site:	Single well, other than collector or Ranney type
Aquifer Type:	Not Reported		
Aquifer:	Not Reported		
Well depth:	271	Hole depth:	280
Source of depth data:	Not Reported	Project number:	Not Reported
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1962-08-14	Ground water data end date:	1962-08-14
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
----- 1962-08-14	187.56	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 22302

Number of sites tested: 441.

Maximum Radon Level: 20.1 pCi/L.

Minimum Radon Level: 0.1 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
408 (92.52%)	26 (5.90%)	5 (1.13%)	2 (0.45%)	0 (0.00%)	0 (0.00%)

Federal EPA Radon Zone for ALEXANDRIA County: 3

- 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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

TOPOGRAPHIC INFORMATION

USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002. 7.5-Minute DEMs correspond to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps.

HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 from the U.S. Fish and Wildlife Service.

HYDROGEOLOGIC INFORMATION

AQUIFLOW^R Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

ADDITIONAL ENVIRONMENTAL RECORD SOURCES

FEDERAL WATER WELLS

PWS: Public Water Systems

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Public Water System data from the Federal Reporting Data System. A PWS is any water system which provides water to at least 25 people for at least 60 days annually. PWSs provide water from wells, rivers and other sources.

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

STATE RECORDS

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs
Telephone: 804-786-1756

RADON

Area Radon Information

Source: USGS
Telephone: 703-356-4020
The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA
Telephone: 703-356-4020
Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA
Telephone: 215-814-2082
Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

OTHER

Airport Landing Facilities: Private and public use landing facilities
Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater
Source: Department of Commerce, National Oceanic and Atmospheric Administration

Fax To: Delta Env. Petroleum Division
Contact: Brad Clark
Fax : 651-490-3777
Date: 05/25/2005

Fax From: Carlo Guerrero
EDR
Phone: 1-800-352-0050

EDR PUR-IQ[®] Report

"the intelligent way to conduct historical research"

for
100527
3401 KING ST
ALEXANDRIA, VA 22302
Lat./Long. 38.82490 / 77.08450
EDR Inquiry # 01428546.44r

The EDR PUR-IQ report facilitates historical research planning required to complete the Phase I ESA process. The report identifies the *likelihood* of prior use coverage by searching EDR's proprietary historical source(s) database comprising nationwide information on: city directories, fire insurance maps, aerial photographs, historical topographic maps, flood maps and National Wetland Inventory maps.

Potential for EDR Historical (Prior Use) Coverage - Coverage in the following historical information sources may be used as a guide to develop your historical research strategy:

- 1. City Directory:** Coverage exists for the TP address for 1969, 2003
- 2. Fire Insurance Map:** When you order online any ASTM 2000 Package, or an EDR Radius Map with a Sanborn Map Search/Print, you receive site specific Sanborn Map coverage information at no charge.
- 3. Aerial Photograph:** Coverage exists for portions of Alexandria City for 1940, 1950, 1960, 1970, 1980, 1990 Shipping time 3-5 business days.
- 4. Topographic Map:** The USGS 7.5 min. quad topo sheet(s) associated with this site:
Historical: Coverage exists for ALEXANDRIA County
Current: Target Property: 38077-G1 Alexandria, VA DC MD

EDR's network of professional researchers, located throughout the United States, accesses the most extensive national collections of city directory, fire insurance maps, aerial photographs and historical topographic map resources available for ALEXANDRIA, VA. These collections may be located in multiple libraries throughout the country. To ensure maximum coverage, EDR will often assign researchers at these multiple locations on your behalf. Please call or fax your EDR representative to authorize a search.



**EDR™ Environmental
Data Resources Inc**

EDR - HISTORICAL SOURCE(S) ORDER FORM

Delta Env. Petroleum Division
Brad Clark
Account # 1371339

100527
3401 KING ST
ALEXANDRIA, VA 22302
ALEXANDRIA County
Lat./Long. 38.82490 / 77.08450
EDR Inquiry # 01428546.44r

Should you wish to change or add to your order, fax this form to your EDR account executive:

Carlo Guerrero
Ph: 1-800-352-0050 Fax: 1-800-231-6802

<u>Product</u>	<u>Standard Price**</u>	<u>Standard Turnaround time</u>
___ Historical Topographic Map(s)	ALL AVAIL. YRS \$45/95	3 - 5 BUSINESS DAYS
___ Current Topographic Map(s)*	\$30 EACH	3 - 5 BUSINESS DAYS
___ City Directory Abstract	SEARCH/ABSTRACT \$45/95	3 - 5 BUSINESS DAYS
___ Fire Insurance Map Search/Abstract	SEARCH/ABSTRACT \$45/95	3 - 5 BUSINESS DAYS
___ Sanborn Map Search/Print		
___ with Radius Map	SEARCH/PRINT \$15/75	2 - 3 BUSINESS DAYS
___ a la carte	SEARCH/PRINT \$45/125	2 - 3 BUSINESS DAYS
___ Aerial Photograph Search Summary	\$49	48 HOURS
___ Aerial Photograph Prints (1 photo per decade, where available)		
___ Digital Copies	CA,MI \$145, OTHER \$95	3 - 5 BUSINESS DAYS
(AL,AZ,CA,CO,CT,DC,DE,FL,GA,IL,IN,KS,MA,MD,MI,MN,MO)		
(NC,NJ,NY,OH,OK,OR,PA,SC,TN,TX,UT,VA,WA,WI)		
___ USGS Aerial 5 Package	\$255 (RUSH AVAILABLE)	15+ BUSINESS DAYS
___ USGS Aerial 3 Package	\$210 (RUSH AVAILABLE)	15+ BUSINESS DAYS
___ Telephone Interviews	\$95	3 - 5 BUSINESS DAYS
___ Expanded Telephone Interviews	\$145	5 BUSINESS DAYS
___ Flood Insurance Maps (FEMA)	\$95	3 - 5 BUSINESS DAYS
___ Flood Prone Maps	\$95	3 - 5 BUSINESS DAYS
___ Chain of Title Search		CALL EDR
___ NJ MacRae's Industrial Directory Search (New Jersey)		CALL EDR
___ with Radius Map	\$150	
___ a la carte	\$195	
___ Multi-Tenant Retail Facility Report		
___ with Radius Map	SEARCH/ABSTRACT \$45/\$125	
___ a la carte	SEARCH/ABSTRACT \$45/\$150	

Shipping:

___ Email (Text Reports/Abstracts)	No charge	
___ Express, Next Day Delivery	\$15	RUSH SERVICE IS AVAILABLE
___ Express, Second Day Delivery	\$10	
___ Express, Next day Delivery	Customer Account	Acct # _____
___ Express, Second Day Delivery	Customer Account	Acct # _____
___ U.S. Mail	\$5	

*May be ordered directly from FASTMAPS at 1-800-426-8676. The cost is \$5.50 each map, plus shipping, plus \$5 handling for orders less than 5 maps.

**Special pricing, depending on volume, may exist for your account.

Thank you

Appendix J
Fairfax County Health Department Correspondence

D. Clark



County of Fairfax, Virginia

FAX COVER SHEET

This fax may contain confidential information and is intended only for the individual named below. If you have received this communication in error, please notify us immediately by phone and return the original message to us at the address below.

DATE: January 3, 2008

TO: Paul R. Young
URS Corporation

FAX NUMBER: 301-869-8728

PHONE NUMBER: 757-453-1196

NUMBER OF PAGES (*including cover*): 2

RE: VFOIA Request—3401 King Street

FROM: Deepa Shrimankar

PHONE NUMBER: 703-246-2444

FAX NUMBER: 703-385-9568

NOTE:

SENDER'S INITIALS:

Fairfax County Health Department
Division of Environmental Health
Community Health and Safety Section
10777 Main Street, Suite 102
Fairfax, VA 22030
www.fairfaxcounty.gov/hd





County of Fairfax, Virginia

To protect and enrich the quality of life for the people, neighborhoods and diverse communities of Fairfax County

January 3, 2008

Paul R. Young
URS Corporation
200 Orchard Ridge Rd, Suite 101
Gaithersburg, MD 20878

RE: NOTICE OF REQUIRED PAYMENT pursuant to the Virginia
Freedom of Information Act (VFOIA), Va. Code § 2.2-3700, et seq.

SUBJECT: 3401 King Street, Alexandria VA 22302

Dear Paul R. Young:

We received your request for information concerning the subject location in Fairfax County. Pursuant to Virginia Code § 2.2-3704, government agencies may charge the recipients of information for costs incurred. It has been determined that it costs this agency \$32 per hour to respond to this VFOIA requests, which is assessed in one-tenth hour increments. If a search finds no information within the scope of your request, you will be charged accordingly for the time required to make this determination.

No records were located on the referenced property. The charge for the research time and responding to your request is **\$5.00**. Please make checks payable to "Fairfax County Health Department" and remit payment to Fairfax County Health Department, Division of Environmental Health, 10777 Main Street, Suite #203, Fairfax VA 22030. Payment is due within 30 days from the date of this letter.

If you have any questions please call me on (703) 246-2444.

Sincerely,

Deepa Shrimankar
Administrative Assistant III

Fairfax County Health Department
Division of Environmental Health
Community Health and Safety Section
10777 Main Street, Suite 102, Fairfax, VA 22030
Phone: 703-246-2300 TTY: 711 Fax: 703-385-9568
www.fairfaxcounty.gov/hd



Appendix K
Kleinfelder ESA Report

PHASE II DIVESTMENT ENVIRONMENTAL ASSESSMENT REPORT

I. SITE NAME

Shell Service Station No. 100527
3401 King Street
Alexandria, VA 22302-3022

II. SITE DESCRIPTION

FEATURES

Structures: Convenience store kiosk and a dispenser canopy are located on the property. A Site Map is presented as Figure 1, Attachment 1.

Surrounding Properties: Commercial properties border the property which is located along a multi-lane highway.

Site/Area Topography: The site is located in a relatively flat area. The site elevation is approximately 190 feet above mean sea level and slopes slightly toward to the southeast (Figure 2, Attachment 1).

Bay Drains/Waste Oil USTs: None

POTENTIALLY SENSITIVE RECEPTORS

Supply Wells: None Identified

Environmental Receptors: A federal wetland is located 1,320 feet west of the property. A monitoring well is located 28 feet east of the property.

SITE HISTORY

Current Use: Convenience store

Monitoring Wells On-Site: None

Prior Use: No information available

UST Closures: No information available

Site Characterization: No information available

III. SUBSURFACE INVESTIGATION

RECENT SUBSURFACE WORK

Date(s) Drilled: May 30, 2007 and June 6, 2007

Drilling Method: Hand clearing/Direct Push

Number of Borings: Four borings (SB-1 through SB-4)

Boring Locations: Soil borings were installed in the vicinity of the underground storage tanks (USTs) and the fuel dispenser islands. Approximate boring locations are illustrated on Figure 2, Attachment 1.

Max. Depth Explored: 16 feet below ground surface (bgs)

Soil borings were advanced until groundwater was encountered, technical drilling refusal, or a maximum depth of 30 feet. Soil samples were collected continuously during direct-push drilling at the four locations to a maximum depth of 16 feet.

Soil samples were screened for volatile organic vapors (VOCs) utilizing a photoionization detector (PID). Lithologic descriptions of the soil samples as well as results of the PID field screening are presented on the Soil Boring Logs in Attachment 2. The highest PID detected VOC concentrations were detected in soil boring SB-4 at 85.4 parts per million (ppm). Upon completion of field activities, the borings were backfilled with drill cuttings and bentonite chips to the surface and the surface was restored to match pre-existing conditions.

GEOLOGY/HYDROGEOLOGY

Gen. Soil Characteristics:	Predominantly sandy gravel with lesser amounts of silt
Depth of Refusal:	Not encountered
Depth to Groundwater:	Approximately 12 feet bgs
Groundwater Gradient:	The estimated direction of groundwater flow is to the southeast based on approximate topographic gradient (Figure 2, Attachment 1).

SOIL QUALITY

Number of Soil Samples:	Four (SB-1 through SB-4)
Sample Dates:	June 6, 2007
Sample Analyses:	VOCs and Oxygenates via EPA Method SW846 8260B

One soil sample from each boring was collected for laboratory analyses. Samples submitted for analyses were the interval exhibiting the highest PID screening reading or the sample collected above the water table. tert-Butyl Alcohol (TBA), Ethylbenzene, and Total Xylenes were detected above Virginia state action levels (method reporting limits). A summary of the soil sample analytical data is provided on Table 1 (Attachment 3). Compounds with detectable concentrations are depicted on Figure 3, Attachment 1. The laboratory analytical report is provided in Attachment 4.

GROUNDWATER QUALITY

Number of Monitoring Points:	SB-1 GW through SB-4 GW
Sample Dates:	June 6, 2007
Sample Analyses:	VOCs and Oxygenates via EPA Method SW846 8260B

One no-purge groundwater sample was collected from four boring locations and submitted for laboratory analysis. t-Amyl methyl ether (TAME), Benzene, TBA, Ethylbenzene, Isopropyl Ether (DIPE), Methyl tert-butyl ether (MTBE), Toluene, and Total Xylenes were detected above Virginia state action levels. A summary of the groundwater results are summarized on Table 2 (Attachment 3). Compounds with detectable concentrations are depicted on Figure 4, Attachment 1. The laboratory analytical report is provided in Attachment 4.

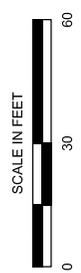
INVESTIGATION-DERIVED WASTE

Liquid waste was treated (e.g. well development water and decontamination fluids) by granular activated carbon and discharged to an unpaved surface at the Site. Soil waste (e.g. soil, asphalt) generated during this investigation were staged in 55-gallon drums.



LEGEND

- SOIL BORING
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND SEWER LINE
- UNDERGROUND WATER SUPPLY LINE
- OVERHEAD UTILITY LINE
- UNDERGROUND STORAGE TANK

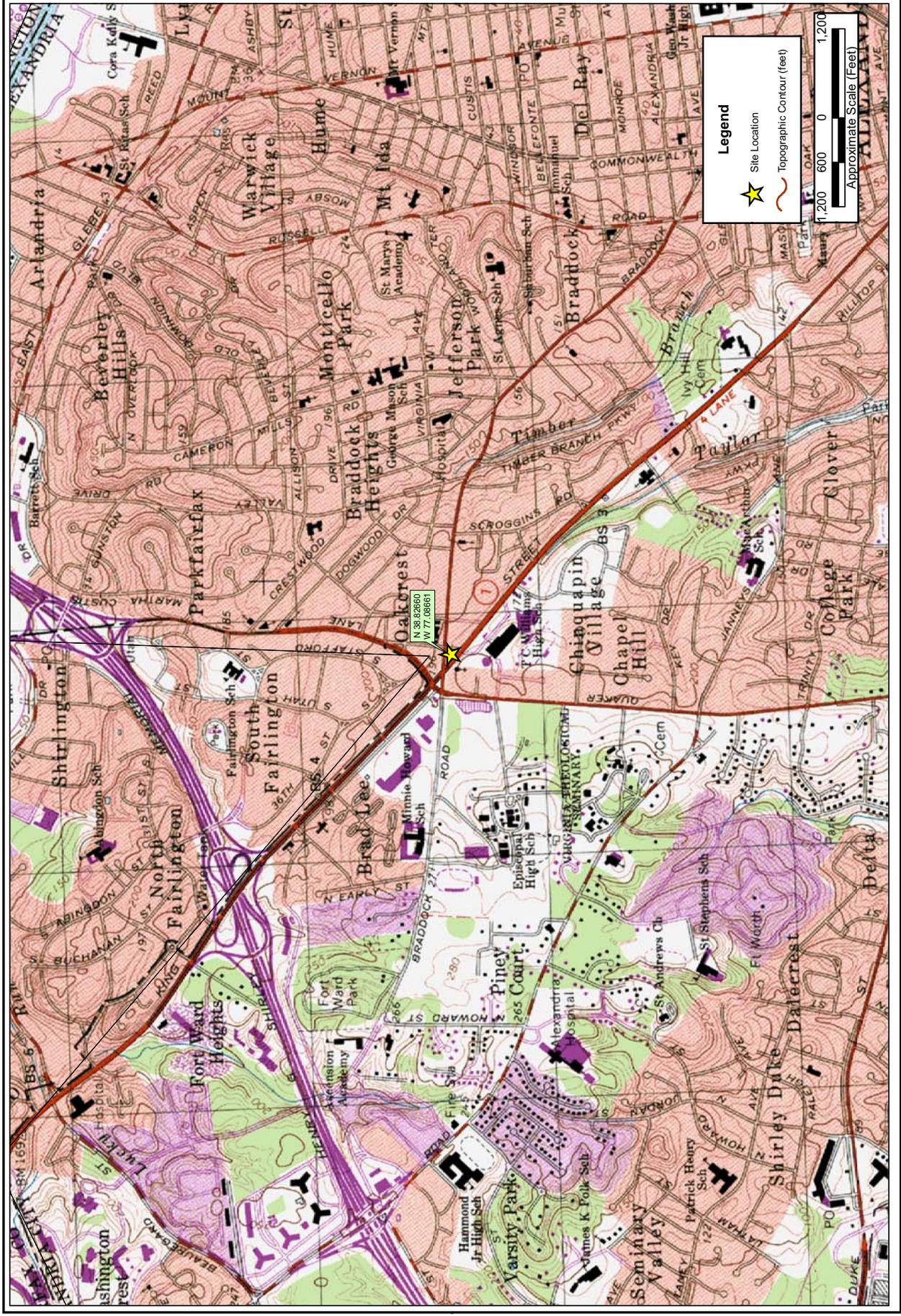


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 SOURCE: IMAGE © 2007 SANBORN, AND KLEINFELDER FIELD RESEARCH

DRAWN BY:	ASD
REVISOR BY:	JL
CHECKED BY:	
DATE:	06/22/2007
APPROVED BY:	

SITE PLAN
 SHELL SERVICE STATION No. 100527
 3401 KING STREET
 ALEXANDRIA, VIRGINIA
 PROJECT No. 83507 FILE NAME:

KLEINFELDER
 1340 CHARWOOD ROAD, SUITE I
 HANOVER, MARYLAND 21076
 PH. (425) 850-0404 FAX. (425) 850-0049
 www.kleinfelder.com
 FIGURE **1**



Legend

- ★ Site Location
- Topographic Contour (feet)

Approximate Scale (Feet)

1,200 600 0 1,200

REGIONAL AREA MAP
FIGURE 2

SHELL SERVICE STATION No. 10027
3401 KING STREET
ALEXANDRIA, VIRGINIA

KLEINFELDER

1343 Crawford Road, Suite 1
Hampton, Maryland 21076
Ph: (410) 850-0044 Fax: (410) 850-0049
www.kleinfelder.com

PROJECT NO. 85007
DATE: 05/15/08
DRAWN BY: [blank]
CHECKED BY: [blank]
S. Owe

DATE: June 21, 2007
SCALE: 1"=400'
DRAWING NO. 2

NO.	REVISION	BY	DATE

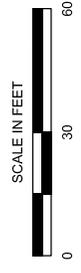


LEGEND

- SOIL BORING
- ELEC — UNDERGROUND ELECTRIC LINE
- S — UNDERGROUND SEWER LINE
- V — UNDERGROUND WATER SUPPLY LINE
- DUL — OVERHEAD UTILITY LINE
- UST — UNDERGROUND STORAGE TANK

ONLY PARAMETERS WITH DETECTIONS ARE SHOWN

SOIL SAMPLE ID	Units	Result
Parameter		



SOIL ANALYTICAL RESULTS WITH DETECTABLE CONCENTRATIONS MAP

FIGURE 3

KLEINFELDER
 1340 CHARWOOD ROAD, SUITE 1
 HANOVER, MARYLAND 21076
 PH. (425) 850-0404 FAX. (425) 850-0049
 www.kleinfelder.com

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 SOURCE: IMAGE © 2007 SANBORN, AND KLEINFELDER FIELD RESEARCH

DRAWN BY: ASD
 REVISED BY: JL
 CHECKED BY:
 DATE: 06/22/2007 APPROVED BY:

SHELL SERVICE STATION No. 100527
 3401 KING STREET
 ALEXANDRIA, VIRGINIA

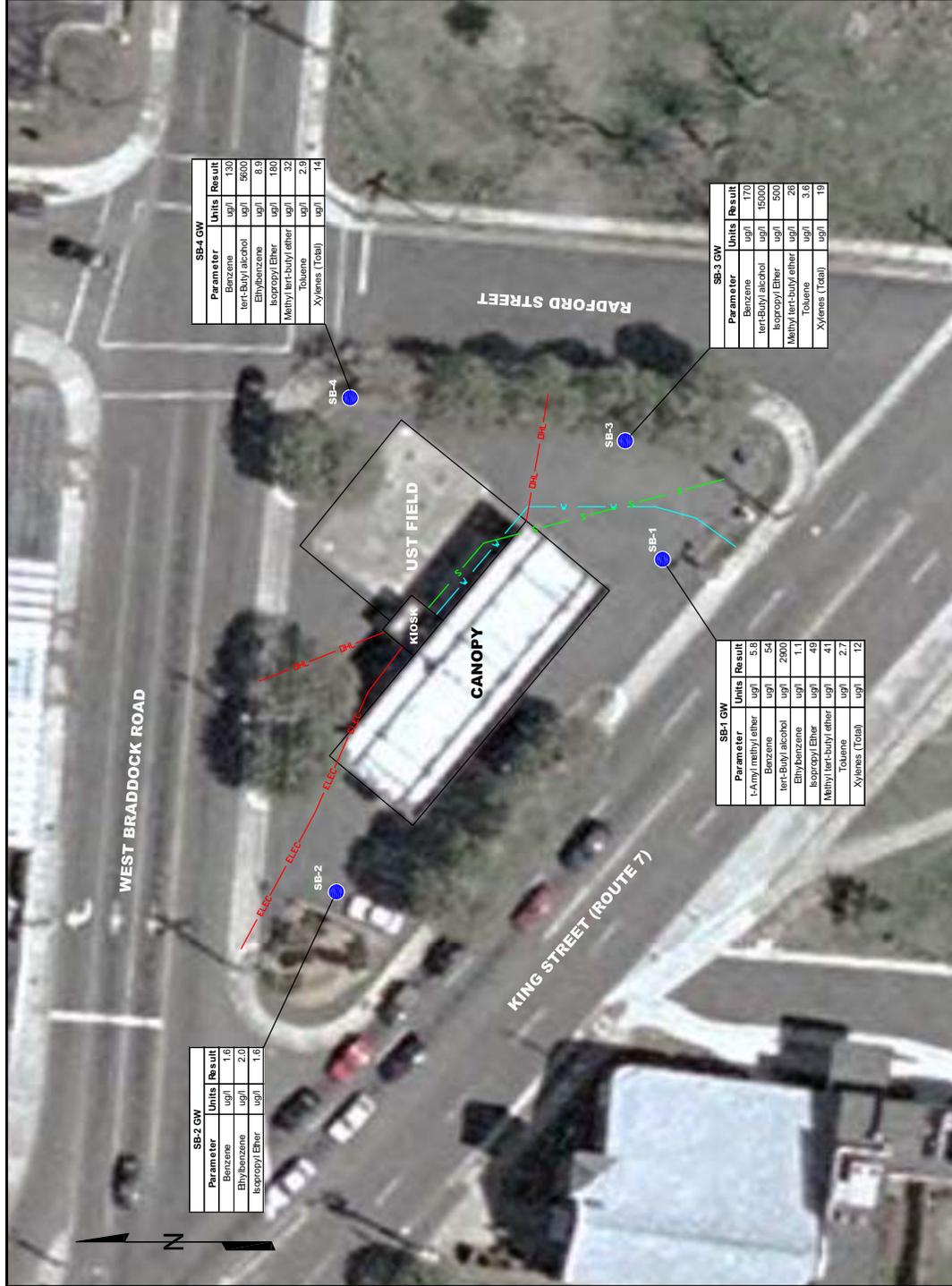
PROJECT No. 83507 FILE NAME:

LEGEND

- SOIL BORING
- UNDERGROUND ELECTRIC LINE
- UNDERGROUND SEWER LINE
- UNDERGROUND WATER SUPPLY LINE
- OVERHEAD UTILITY LINE
- UNDERGROUND STORAGE TANK

ONLY PARAMETERS WITH
DETECTIONS ARE SHOWN

Parameter	Units	Result
GROUNDWATERSAMPLED		



Parameter	Units	Result
SB-4 GW		
Benzene	ug/l	130
tert-Buyl alcohol	ug/l	5000
Ethylbenzene	ug/l	6.9
Isopropyl Ether	ug/l	180
Methyl tert-butyl ether	ug/l	32
Toluene	ug/l	2.9
Xylenes (Total)	ug/l	14

Parameter	Units	Result
SB-3 GW		
Benzene	ug/l	770
tert-Buyl alcohol	ug/l	15000
Isopropyl Ether	ug/l	500
Methyl tert-butyl ether	ug/l	26
Toluene	ug/l	3.6
Xylenes (Total)	ug/l	19

Parameter	Units	Result
SB-2 GW		
Benzene	ug/l	1.6
Ethylbenzene	ug/l	2.0
Isopropyl Ether	ug/l	1.6

Parameter	Units	Result
SB-1 GW		
n-Propyl methyl ether	ug/l	6.8
Benzene	ug/l	54
tert-Buyl alcohol	ug/l	2900
Ethylbenzene	ug/l	1.1
Isopropyl Ether	ug/l	49
Methyl tert-butyl ether	ug/l	41
Toluene	ug/l	2.7
Xylenes (Total)	ug/l	12

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SOURCE: IMAGE © 2007 SANBORN, AND KLEINFELDER FIELD RESEARCH

**GROUNDWATER ANALYTICAL RESULTS WITH
DETECTABLE CONCENTRATIONS MAP**

DRAWN BY: ASD
 REVISED BY: JL
 CHECKED BY:
 DATE: 06/22/2007

SHELL SERVICE STATION No. 100527
 3401 KING STREET
 ALEXANDRIA, VIRGINIA

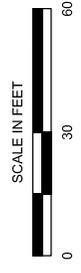
PROJECT No. 83507 FILE NAME:

FIGURE

4

KLEINFELDER

1340 CHARWOOD ROAD, SUITE 1
 HANOVER, MARYLAND 21076
 PH: (425) 850-0404 FAX: (425) 850-0049
 www.kleinfelder.com



Project Name: 3401 King Street, Alexandria, VA
Site Location: 3401 King Street, Alexandria, VA
Project No: 100527
Client: Shell
Drilling Company: ARM
Driller: Andrew Knickerbocker
Drill Rig Type: Geoprobe
Drilling Method: Airknife/Geoprobe
Sampling Method: Direct Push

Start Date: 05/30/2007
End Date: 6/6/2007
Total Hole Depth: 16 Feet
Hole Diameter: NA
Depth to Bedrock: NA
Well Diameter: NA
Water Level (initial): 12 Feet
Screen Length: NA
TOC Elevation: NA

Logged By: BD
Permit No: 100527
Checked By: TM
Notes: Airknife to 5 Feet
Below ground

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0		Asphalt, Concrete, Gravel.				NA		0
2.5		CL - Sandy CLAY, Light Gray/ Light Brown, Moist. CL- CLAY, Dark Gray, Moist.						2.5
5		MH - SILT with Some Sand, Brown, Fine.				0.0		5
7.5		SP - SAND with Some Gravel, Light Brown, Medium.				0.0		7.5
10		SM - Silty SAND, Light Brown, Fine, Moist.				0.6		10
12.5		SP - SAND with Some Gravel, Light Brown, Medium, Moist.	SB-1 (11.5-12)			1.1		12.5
15		SP - SAND with Some Gravel, Brown, Medium, Moist.				0.8		15
17.5		SP-SM - SAND and Silt, Fine, Brown, Saturated.				2.3		17.5
20		SP - SAND with Gravel, Light Brown, Saturated.				0.4		20
22.5		CH - CLAY with Some Fine Sand, Light Brown, Saturated.				0.4		22.5
25		End of Boring - 16 Feet.				1.4		25

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample Submitted for Laboratory Analysis

Soil Sample ID:
 G - Grab
 S - Split Spoon

Project Name: 3401 King Street, Alexandria, VA
Site Location: 3401 King Street, Alexandria, VA
Project No: 100527
Client: Shell
Drilling Company: ARM
Driller: Andrew Knickerbocker
Drill Rig Type: Geoprobe
Drilling Method: Airknife/Geoprobe
Sampling Method: Direct Push

Start Date: 05/30/2007
End Date: 6/6/2007
Total Hole Depth: 16 Feet
Hole Diameter: NA
Depth to Bedrock: NA
Well Diameter: NA
Water Level (initial): 12 Feet
Screen Length: NA
TOC Elevation: NA

Logged By: BD
Permit No: 100527
Checked By: TM
Notes: Airknife to 5 Feet below ground

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0		Asphalt and Concrete.				NA		0
2.5		SP-SC - SAND with Some Clay and Gravel, Light Brown with Gray Clay, Fine, Moist.				NA		2.5
		SM - Silty SAND, Dark Brown, Moist.				NA		
5		SM - Silty SAND, Brown, Moist.				0.0		5
		SP - SAND with Gravel, Yellow-Brown, Medium, Moist.				0.0		
7.5		SP - SAND with Gravel, Brown, Medium, Moist.				0.0		7.5
		SP - SAND with Gravel, Red-Brown, Medium, Moist.				2.1		
10		SP - SAND with Gravel, Brown, Medium, Moist.				3.4		10
		SP - SAND with Gravel, Brown, Moist.	SB-2 (11.5-12)			0.2		
12.5		GP - GRAVEL with Sand, Brown, Medium, Saturated.				0.1		12.5
		GP - GRAVEL with Sand, Dark Brown, Medium, Saturated.				0.0		
15		GP - GRAVEL with Sand, Brown, Medium, Saturated.						15
		GP - GRAVEL with Sand, Brown, Medium, Saturated.						
17.5		End of boring - 16 feet.						17.5
20								20
22.5								22.5
25							25	

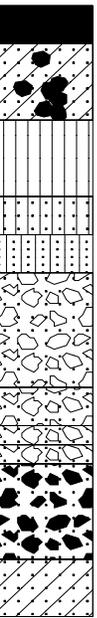
PID - Photoionization Detector
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 * Sample Submitted for Laboratory Analysis

Soil Sample ID:
 G - Grab
 S - Split Spoon

Project Name: 3401 King Street, Alexandria, VA
Site Location: 3401 King Street, Alexandria, VA
Project No: 100527
Client: Shell
Drilling Company: ARM
Driller: Andrew Knickerbocker
Drill Rig Type: Geoprobe
Drilling Method: Airknife/Geoprobe
Sampling Method: Direct Push

Start Date: 05/30/2007
End Date: 6/6/2007
Total Hole Depth: 16 Feet
Hole Diameter: NA
Depth to Bedrock: NA
Well Diameter: NA
Water Level (initial): 12 Feet
Screen Length: NA
TOC Elevation: NA

Logged By: BD
Permit No: 100527
Checked By: TM
Notes: Airknife to 5 Feet below ground

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0		Asphalt and Gravel.				NA		0
2.5		SP-SC - SAND with Some Clay and Cobbles, Light Brown, Moist.				NA		2.5
		ML - SILT, Dark Brown, Moist.				NA		
5		ML - SILT with Some Sand, Brown, Fine.				0.0		5
		SM - Silty SAND, Brown, Moist.				0.0		
7.5		SP - SAND with Some Gravel, Dark Brown.				0.0		7.5
10		SP - SAND with Some Gravel, Yellow-Brown.				0.0		10
		SP - SAND with Some Gravel, Dark Brown.		SB-3 (11.5-12)		0.0	0.2	
12.5		SP - SAND with Some Gravel, Brown.				0.2		12.5
15		GP - GRAVEL with Sand, Light Brown, Saturated.				0.2		15
		CL - CLAY with Some Sand, Yellow-Brown, Fine, Saturated.						
17.5		End of Boring - 16 feet.						17.5
20								20
22.5								22.5
25								25

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample Submitted for Laboratory Analysis

Soil Sample ID:
 G - Grab
 S - Split Spoon

Project Name: 3401 King Street, Alexandria, VA
Site Location: 3401 King Street, Alexandria, VA
Project No: 100527
Client: Shell
Drilling Company: ARM
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Drill Rig Type: Geoprobe
Drilling Method: Airknife/Geoprobe
Sampling Method: Direct Push

Start Date: 05/30/2007
End Date: 6/6/2007
Total Hole Depth: 16 Feet
Hole Diameter: NA
Depth to Bedrock: NA
Well Diameter: NA
Water Level (initial): 12 Feet
Screen Length: NA
TOC Elevation: NA

Logged By: BD
Permit No: 100527
Checked By: TM
Notes: Airknife to 5 Feet below ground

Depth (feet)	Graphic Log	Soil/Geologic Description	Sample ID	Blows/6"	Penetration / Recovery	PID Headspace (ppm)	Well Completion Details	Depth (feet)
0		Asphalt.				NA		0
0		SP - SAND with Gravel, Light Brown, Fine, Dry.				NA		
2.5		SP-SC - SAND with Some Clay, Light Brown Mottled Gray, Dry.				NA		2.5
5		CL - Sandy CLAY, Dark Brown, Moist.				NA		5
5		SP - SAND with Gravel, Brown, Medium.				1.0		
7.5		ML - SILT with Sand, Yellow-Brown, Fine, Moist.				0.6		7.5
7.5		SP - SAND with Gravel, Yellow-Brown, Medium.				0.3		
10		SM - Silty SAND with Some Gravel, Brown, Medium.	SB-4 (10-10.5)			2.5		10
10		SM - Silty SAND with Some Gravel, Red-Brown, Medium.				8.8		
12.5		SP - SAND and Gravel, Brown, Moist.				85.4		12.5
12.5		SP - SAND and Gravel, Light Brown, Medium, Saturated.				25.2		
15		GP - GRAVEL and Sand, Dark Brown, Medium, Saturated.				51.4		15
15		GP - GRAVEL and Sand, Brown, Medium, Saturated.				43.3		
17.5		GP - GRAVEL and Sand, Brown, Medium, Saturated.				1.4		17.5
17.5		End of Boring - 16 Feet.						17.5
20								20
22.5								22.5
25								25

PID - Photoionization Detector
 ppm - Parts per million
 NA - Not Applicable
 * Sample Submitted for Laboratory Analysis

Soil Sample ID:
 G - Grab
 S - Split Spoon

TABLE 1
SOIL ANALYTICAL RESULTS
 Shell Service Station No. 100527
 3401 King Street
 Alexandria, VA 22302-3022

SOIL

Sample ID (Sample Depth in Feet)				SB-1 (11.5-12)	SB-2 (11.5-12)	SB-3 (11.5-12)	SB-4 (10-10.5)
Sample Date				6/6/2007	6/6/2007	6/6/2007	6/6/2007
Parameter	Matrix	Method	Units	Concentration			
t-Amyl methyl ether	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	<5.6
Benzene	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	<5.6
tert-Butyl alcohol	Solid	8260B	ug/kg	<5.3	<5.6	110	<5.6
t-Butyl ethyl ether	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	<5.6
Ethylbenzene	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	150
Isopropyl Ether	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	<5.6
Methyl tert-butyl ether	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	<5.6
Toluene	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	<5.6
Xylenes (Total)	Solid	8260B	ug/kg	<5.3	<5.6	<5.6	20

< = Less than the reporting limit

ug/mg= microgram/gram

Test Method: 8260B

Results reported in dry weight equivalence.

TABLE 2
GROUNDWATER ANALYTICAL RESULTS

Shell Service Station No. 100527
 3401 King Street
 Alexandria, VA 22302-3022

GROUNDWATER

Sample ID				SB-1 GW	SB-2 GW	SB-3 GW	SB-4 GW
Sample Date				6/6/2007	6/6/2007	6/6/2007	6/6/2007
Parameter	Matrix	Method	Units	Concentration			
t-Amyl methyl ether	Aqueous	8260B	ug/l	5.8	<1.0	<1.0	<1.0
Benzene	Aqueous	8260B	ug/l	54	1.6	170	130
tert-Butyl alcohol	Aqueous	8260B	ug/l	2900	<5.0	15000	5600
t-Butyl ethyl ether	Aqueous	8260B	ug/l	<1.0	<1.0	<1.0	<1.0
Ethylbenzene	Aqueous	8260B	ug/l	1.1	2.0	<1.0	8.9
Isopropyl Ether	Aqueous	8260B	ug/l	49	1.6	500	180
Methyl tert-butyl ether	Aqueous	8260B	ug/l	41	<1.0	26	32
Toluene	Aqueous	8260B	ug/l	2.7	<1.0	3.6	2.9
Xylenes (Total)	Aqueous	8260B	ug/l	12	<3.0	19	14

< = Less than the reporting limit

ug/l = microgram/liter

Test Method: 8260B

RECEIVED
JUN 20 2007
BY: *[Signature]*

June 14, 2007

Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Dear Mr. Croydon:

Enclosed are analytical results for samples submitted to Pace Analytical by Kleinfelder-Maryland. The samples were received on June 7, 2007. The results reported in this project meet the requirements as specified in Chapter 5 of the NELAC Standards. Any deviations or discrepancies from the NELAC standards are documented in the case narrative(s) of this report. Parameters printed in italics represent Non-NELAC accredited parameters. Please reference Pace project number 07-4270 when inquiring about this report.

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Pace Sample Identification	Client Sample Identification
0706-1298	SB-1 GW
0706-1299	SB-1 (11.5-12)
0706-1300	SB-2 GW
0706-1301	SB-2 (11.5-12)

Pace Sample Identification	Client Sample Identification
0706-1302	SB-3 GW
0706-1303	SB-3 (11.5-12)
0706-1304	SB-4 GW
0706-1305	SB-4 (10-10.5)

General Comments: Cooler temperature 4 ° C upon receipt. Ice was present.

Please call me if you have any questions regarding the information contained within this report.

Sincerely,

Carin A. Ferris
for Carin A. Ferris
Project Manager

CAM: jld

Enclosures

Page 1 of 10

REPORT OF LABORATORY ANALYSIS

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1298
Client Sample ID: SB-1 GW
Sample Matrix: Aqueous

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	5.8	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Benzene	8260B ⁽¹⁾	54	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
tert-Butyl alcohol	8260B ⁽¹⁾	2900	25	ug/l	JHC	06/12/2007	0061790-1	<5.0
<i>t-Butyl ethyl ether</i>	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Ethylbenzene	8260B ⁽¹⁾	1.1	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Isopropyl Ether	8260B ⁽¹⁾	49	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Methyl tert-butyl ether	8260B ⁽¹⁾	41	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Toluene	8260B ⁽¹⁾	2.7	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Xylenes (Total)	8260B ⁽¹⁾	12	3.0	ug/l	JHC	06/11/2007	0061788-1	<3.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1299
Client Sample ID: SB-1 (11.5-12)
Sample Matrix: Solid

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Inorganic Extraction

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Percent Solids	% Solids	94	N/A	%	DAB	06/07/2007	N/A	N/A

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Benzene	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
tert-Butyl alcohol	8260B ⁽¹⁾	<53	53	ug/kg	JEC	06/07/2007	0061711-1	<50
t-Butyl ethyl ether	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Isopropyl Ether	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Methyl tert-butyl ether	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Toluene	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Xylenes (Total)	8260B ⁽¹⁾	<5.3	5.3	ug/kg	JEC	06/07/2007	0061711-1	<5.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported in dry weight equivalence.

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1300
Client Sample ID: SB-2 GW
Sample Matrix: Aqueous

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Benzene	8260B ⁽¹⁾	1.6	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
tert-Butyl alcohol	8260B ⁽¹⁾	<5.0	5.0	ug/l	JHC	06/11/2007	0061788-1	<5.0
<i>t-Butyl ethyl ether</i>	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Ethylbenzene	8260B ⁽¹⁾	2.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Isopropyl Ether	8260B ⁽¹⁾	1.6	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Methyl tert-butyl ether	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Toluene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Xylenes (Total)	8260B ⁽¹⁾	<3.0	3.0	ug/l	JHC	06/11/2007	0061788-1	<3.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1301
Client Sample ID: SB-2 (11.5-12)
Sample Matrix: Solid

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Inorganic Extraction

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Percent Solids	% Solids	90	N/A	%	DAB	06/07/2007	N/A	N/A

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Benzene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
tert-Butyl alcohol	8260B ⁽¹⁾	<56	56	ug/kg	JEC	06/07/2007	0061711-1	<50
t-Butyl ethyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Isopropyl Ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Methyl tert-butyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Toluene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Xylenes (Total)	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported in dry weight equivalence.

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0005

Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1302
Client Sample ID: SB-3 GW
Sample Matrix: Aqueous

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Benzene	8260B ⁽¹⁾	170	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
tert-Butyl alcohol	8260B ⁽¹⁾	15000	250	ug/l	JHC	06/12/2007	0061845-1	<5.0
<i>t-Butyl ethyl ether</i>	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Ethylbenzene	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Isopropyl Ether	8260B ⁽¹⁾	500	50	ug/l	JHC	06/12/2007	0061845-1	<1.0
Methyl tert-butyl ether	8260B ⁽¹⁾	26	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Toluene	8260B ⁽¹⁾	3.6	1.0	ug/l	JHC	06/11/2007	0061788-1	<1.0
Xylenes (Total)	8260B ⁽¹⁾	19	3.0	ug/l	JHC	06/11/2007	0061788-1	<3.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1303
Client Sample ID: SB-3 (11.5-12)
Sample Matrix: Solid

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Inorganic Extraction

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Percent Solids	% Solids	89	N/A	%	DAB	06/07/2007	N/A	N/A

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Benzene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
tert-Butyl alcohol	8260B ⁽¹⁾	110	56	ug/kg	JEC	06/07/2007	0061711-1	<50
t-Butyl ethyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Isopropyl Ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Methyl tert-butyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Toluene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Xylenes (Total)	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported in dry weight equivalence.

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1304
Client Sample ID: SB-4 GW
Sample Matrix: Aqueous

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
Benzene	8260B ⁽¹⁾	130	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
tert-Butyl alcohol	8260B ⁽¹⁾	5600	50	ug/l	JHC	06/13/2007	0061892-1	<5.0
t-Butyl ethyl ether	8260B ⁽¹⁾	<1.0	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
Ethylbenzene	8260B ⁽¹⁾	8.9	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
Isopropyl Ether	8260B ⁽¹⁾	180	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
Methyl tert-butyl ether	8260B ⁽¹⁾	32	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
Toluene	8260B ⁽¹⁾	2.9	1.0	ug/l	JHC	06/12/2007	0061845-1	<1.0
Xylenes (Total)	8260B ⁽¹⁾	14	3.0	ug/l	JHC	06/12/2007	0061845-1	<3.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported on an as received basis.

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Mr. Robert Croydon
Kleinfelder-Maryland
1340 Charwood Road
Hanover, MD 21076

Lab Project ID: 07-4270
Lab Sample ID: 0706-1305
Client Sample ID: SB-4 (10-10.5)
Sample Matrix: Solid

Client Site: 3401 King St, Alexandria
Client Ref.: 100527

Date Sampled: 06/06/2007
Date Received: 06/07/2007

Inorganic Extraction

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Percent Solids	% Solids	89	N/A	%	DAB	06/07/2007	N/A	N/A

Volatiles

Test	Method	Result	Reporting Limit	Units	Analyst	Analysis Date	Method Blank ID	Blank Result
Volatile Organic Compounds, MS								
t-Amyl methyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Benzene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
tert-Butyl alcohol	8260B ⁽¹⁾	<56	56	ug/kg	JEC	06/07/2007	0061711-1	<50
t-Butyl ethyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Ethylbenzene	8260B ⁽¹⁾	150	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Isopropyl Ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Methyl tert-butyl ether	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Toluene	8260B ⁽¹⁾	<5.6	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0
Xylenes (Total)	8260B ⁽¹⁾	20	5.6	ug/kg	JEC	06/07/2007	0061711-1	<5.0

⁽¹⁾ U.S. Environmental Protection Agency, 1996, Test Methods for Evaluating Solid Waste, SW-846, 3rd ed., Office of Solid Waste and Emergency Response, Washington, DC.

Sample Comments: Results reported in dry weight equivalence.

REPORT OF LABORATORY ANALYSIS

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ATEC Environmental Consultants

Division of ATEC Associates of Va., Inc.
4076 Wahey Road
Chantilly, Virginia 22021-2919
(703) 631-3383, FAX # (703) 631-3701

Solid & Hazardous Waste Site Assessments
Remedial Design & Construction
Underground Tank Management
Asbestos Surveys & Analysis
Hydrogeologic Investigations & Monitoring
Analytical Testing / Chemistry
Industrial Hygiene / Hazard Communication
Environmental Audits & Permitting
Exploratory Drilling & Monitoring Wells

February 1, 1990

Mr. Chip Gilliland
907 West Glebe Road
Alexandria, Virginia 22305

RE: PCB content of transformers

Dear Mr. Gilliland:

ATEC Environmental Consultants is currently conducting an environmental assessment of a property located at the intersection of Quaker Lane and Braddock Road in western Alexandria (see enclosed map). During our onsite investigation, we observed three pole-mounted transformers on VEPCO pole #1075N. Two of the transformers contained NON-PCB stickers, but the third did not.

We would greatly appreciate any information you could give us concerning the PCB content of this third transformer.

If you have any questions, please do not hesitate to call this office.

Sincerely,
ATEC Environmental Consultants



Lori A. Davis
Staff Geologist

Enclosure

CNR 48



February 23, 1990

Ms. Lori A. Davis, Staff Geologist
ATEC Environmental Consultants
4076 Walney Road
Chantilly, Virginia 22021-2919

RE: PCB Transformer Testing
Corner of Quaker Lane and Braddock Road

Dear Ms. Davis:

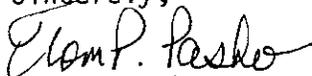
Thank you for your request of January 4, 1990, concerning the possible presence of PCB's in Virginia Power equipment (transformers on pole UK94) at the corner of Quaker Lane and Braddock Road. All our non-PCB transformers show labels on the exterior. The transformers reviewed do not indicate non-PCB.

According to the Federal Register, liquid filled transformers that contain 50 parts per million (ppm) to 499 ppm are considered to be PCB contaminated and those containing more than 499 ppm are considered to be PCB transformers. We cannot assure you that our mineral oil filled transformers contain less than 50 ppm PCB and, therefore, must consider them to be PCB contaminated. Your operations or activities in the vicinity of Virginia Power equipment should be prudently directed so that minimal damage will occur in the event of equipment tank rupture.

Since these transformers are in a non risk area, at your request and expense, we will sample and test the mineral oil filled transformers to determine the PCB content. If the test reveals a PCB concentration between 49 ppm and 499 ppm, any replacement/retrofill will be done at your expense. If the test results reveal a concentration of 500 ppm or greater, Virginia Power will replace/retrofill the transformers at our expense and refund the cost of the test. These transformers are owned and maintained by Virginia Power. We have no way of knowing if they are a hazard to the environment until after they are tested.

Should you have any questions concerning this matter, please contact me at 838-2379.

Sincerely,



Tom P. Pasko
Associate Engineer

xc: Mr. J. W. Reaser, II

CASE CLOSED
letter
file 1990-0962



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Peter W. Schmidt
Director

Northern Regional Office
1519 Davis Ford Road, Suite 14
Woodbridge, Virginia 22192
(703) 490-8922

OCT. 26 1994

Lindsay Cadillac
1251 Quaker Lane
Alexandria, Virginia 22302

RE: PC90-0962; Lindsay Cadillac, 1251 Quaker Lane, Alexandria,
Virginia
CASE CLOSED

Dear Tank Owner:

Following a review of the above referenced file and based upon the information you have submitted, the Department of Environmental Quality (DEQ) considers this case closed. No further action by you is required in this matter.

Please be advised, however, that future discovery of petroleum in the environment may result in the reopening of this matter. The DEQ reserves the right pursuant to Virginia Law and Regulation to require additional investigation at any time in the future should conditions warrant.

If you have any questions or need additional information, please feel free to contact this office at (703) 490-8922.

Sincerely,

A handwritten signature in black ink, appearing to read "Charles S. Nichols".

Charles S. Nichols
Ground Water Manager

pfa:caseclos.pf

cc: File





Division of ATEC Associates of Va., Inc.
4076 Welney Road
Chantilly, Virginia 22021-2919
(703) 631-3383, FAX # (703) 631-3701

Solid & Hazardous Waste Site Assessments
Remedial Design & Construction
Underground Tank Management
Asbestos Surveys & Analysis
Hydrogeologic Investigations & Monitoring
Analytical Testing / Chemistry
Industrial Hygiene / Hazard Communication
Environmental Audits & Permitting
Exploratory Drilling & Monitoring Wells

February 12, 1990

Lymmar Corporation
Richard Caruso
Gene Looney
6019 Tower Court
Alexandria, Virginia 22304

Re: Lindsay Cadillac Underground Storage Tank Removal
ATEC Job No. 27-80007

Dear Sirs:

ATEC Environmental Consultants has conducted a second round of soil sampling concerning two former underground storage tanks (USTs) previously located on the Lindsay Cadillac property.

Our initial round of soil sampling was designed to determine if petroleum contamination (kerosene) was detectable at significant concentrations in the soils associated with the tank pits. The initial round of soil sampling identified that some petroleum contamination was present and the recommendation was made to excavate four feet of soil from the bottom of the west tank pit and two feet of soil from the bottom of the east tank pit. Also, approximately one to two feet of soil from the sides of both tank pits were recommended to be excavated.

Upon completion of the recommended excavation, ATEC performed the second round of soil sampling. Two soil samples were collected from the west tank pit. Total petroleum hydrocarbon (TPH) analysis from our chemistry laboratory indicates that the concentrations are below those that would require further remediation, <1 ppm and 1.1 ppm (parts per million). During the excavation of the soils associated with the eastern tank pit, it was observed that at approximately four feet below the former tank, the soils became a blackish color and that a detectable petroleum odor was emanating from the tank pit. Further excavation around the tank pit leads us to believe that the black soils continue to the north, east and possibly to the southeast. One soil sample collected in the southwest end of the pit was analyzed to contain a TPH concentration of 2.3 ppm, while the soil sample collected along the east wall of the tank pit was analyzed at 4500 ppm. Groundwater was observed in the tank pit at a depth of approximately ten feet below existing grade. Visual observations made during the excavation process lead us to believe that it is possible that a

larger UST may have been removed from this location prior to the placement of the smaller UST that was recently removed. We are currently attempting to contact persons with knowledge of the site prior to when Lindsay Cadillac purchased the property. We understand that the property formerly housed a service station.

We have contacted Larry Johnson of the State Water Control Board concerning our findings. Mr. Johnson has provided the option of backfilling the tank pits at this time, with the understanding that the fill materials may be required to be removed at a later date should further investigation determine that significant contamination exists.

Therefore, to proceed with the planned site work and construction, the pits should be backfilled at this time, pending further investigation. We are currently in the process of finalizing our initial report and formulating our corrective action plan.

Sincerely,
ATEC Environmental Consultants

William D. Bymaster

William D. Bymaster
Staff Engineer

David C. Trimble

David C. Trimble
Environmental Division Manager

WDB:th:env

cc: Terry Lindsay

ATEC Associates of Virginia, Inc.

DAILY REPORT

Project Name: LEXUS OF ALEXANDRIA ATEC Job No: 27-02009
 Client's Name: LINDSAY CADILLAC Date: 2/14/90
 Inspection of: WATER SOILS Technician: KINGSLEY

This report and the attached data sheet(s) constitute a summary of observations and tests performed by a qualified engineering technician. The statements made herein do not constitute a certification. Approval of work for final acceptance can only be made by ATEC engineers and cannot be conveyed on this form. Interpretations based on this data are the responsibility of others.

THIS IS A FIELD COPY AND IS SUBJECT TO REVIEW AND REVISION BY THE MANAGERS AND ENGINEERS OF ATEC ASSOCIATES.

ATEC REPRESENTATIVE WAS AT THE JOB SITE LOCATED ON THE SOUTH-EAST CORNER OF KING ST AND BRADDOCK ST IN ALEX. TO MONITOR EXCAVATION AND BACKFILLING OF THE BUILDING SUBGRADE. ATEC HAD RECOMMENDED THE REMOVAL OF ALL HIGHLY PLASTIC TOPSOIL WHICH CONSISTS OF GRAVELLY SILTY CLAY, WHICH AT SOME AREAS RUNS OVER THREE FEET DEEP. A FILL MATERIAL WHICH CONSISTS OF ORGANIC SILT / LITTLE SAND WAS NOT SATISFACTORY AS A TRIAL FILL PROVED UNSTABLE. FOR A TYPICAL CLAYEY SUBGRADE AS THIS ATEC WOULD RECOMMEND BRIDGING FIRST WITH A SELF-SUPPORTIVE GRAVELLY STONES BEFORE A SILTY SAND IS LAYED DOWN. IN THIS CASE A GREATER DEPTH OF FILL IS RECOMMENDED.

FINAL DECISIONS ON THIS WILL BE TAKEN BY ATEC ENGINEERS

[Signature]

N.B :

IT IS SUGGESTED THAT FURTHER BACKFILLING BE HALTED UNTIL FINAL DECISIONS AND RECOMMENDATIONS ARE MADE

[Signature]



COMMONWEALTH of VIRGINIA
DEPARTMENT OF ENVIRONMENTAL QUALITY

Peter W. Schmidt
Director

Water Regional Office
1519 Davis Ford Road, Suite 14
Woodbridge, Virginia 22192
(703) 490-8922

SEP. 29 1994

Lindsay Cadillac
1251 Quaker Lane
Alexandria, Virginia 22302

RE: PC90-0962; Lindsay Cadillac, 1251 Quaker Lane, Alexandria

Dear Tank Owner:

The Department of Environmental Quality, Water Division, has received notification that a release of petroleum has occurred at the above referenced site. The first report of the release was received on January 1990.

As authorized by Federal and State statutes and regulations, the Department of Environmental Quality (DEQ) must require you, as the responsible party, to conduct investigation and/or assessment activities as described in the State Regulation VR 680-13-02, Parts V and VI (enclosed). These activities may include conducting a tightness test on the tank/line system, conducting a preliminary environmental investigation, removal of free product, characterization of the extent and severity of the petroleum contamination, or performance of corrective action.

Enclosed with this correspondence is the Preliminary Site Characterization Checklist (PSCC). Please conduct the activities which are "checked" on the PSCC to enable DEQ to determine if a full-scale site characterization is necessary. If the results indicate that the contamination does not pose a risk to human health and the environment, the investigation will be considered for closure. The results of these activities should be submitted to this office, with the enclosed cover sheet attached, no later than **November 29, 1994**.



PRELIMINARY SITE CHARACTERIZATION
CHECKLIST

Leavus/Lindsey Cadillac

Site:

~~90-962~~

PC#

90-962

Region NRO

In order to properly determine the need for additional site characterization or possible closure of the reported release, the following checked information is to be supplied to the DEQ Regional office.



BACKGROUND INFORMATION: Nature and quantity of release, physical and chemical properties of released product, tank information (capacity, location, contents), extent of contamination, and depth to groundwater.



SENSITIVE RECEPTOR SURVEY: Information on impacted/potentially impacted receptors within 1000 ft of site (wells, springs, surface water, basements, subsurface utilities)



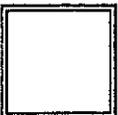
GENERAL VICINITY MAP: 7 1/2 min. topographic map or county highway map. Site and all applicable receptors are to be indicated.



SITE MAP: Location of contamination sources, boring locations, monitoring well locations, ground water flow direction, contaminant concentrations, subsurface conduits (i.e., telephone, water, sewer, dispenser piping)



OTHER: Install one monitoring well directly downslope from old tank-pit. Sample soils during installation and sample groundwater for TPH (Method 8015).



ALL OF THE ABOVE

NOTE:

All lab sheets must indicate the sample media, analytical method used, detection limit method, unit of measure, sample depths, and sample locations. Sampling results from BTEX analysis must be reported individually and totaled.

REQUESTED BY:

BVT

DATE:

9-18-94

PC# 90-0962

ETI FILE REVIEW:

• SITE NAME: Le RB / Lindsey Cadillac

• CONTAMINANT RANGES

FREE PRODUCT: Y OR N AMOUNT: unk

GROUNDWATER: TPH unk BTEX unk

SOIL: TPH 4500 ppm BTEX unk
5 ft below UST

• RECEPTORS: Y OR N IDENTIFY _____
(WELL OR SW)
DISTANCE _____

SHALLOW/BEDROCK (if well) _____
DEPTH (if well) _____

• VAPORS: Y OR N STRUCTURE _____
DISTANCE _____

• GEOLOGY: KARST FRACTURED BR SAPROLITE CP FILL

• SOIL TYPE: CLAY CLAY/SILT SILT/SAND SAND

• UTILITIES ARE FACTOR: Y OR N

COMMENTS/RATIONALE: No documents in file except
VD EQ phone log. with notes on soil contamination.
No follow up action. Possible multiple tanks
(maybe a kerosene tank?)

ETI RECOMMENDS THE FOLLOWING:

- CLOSURE
 - SITE CHECK LETTER
 - PRELIMINARY SITE CHARACTERIZATION CHECKLIST
 - SCR
 - NASTY GRAM _____
 - WORK PLAN _____
- (REPORT AND DATE)

unknown

Left

PC# 90-962
1251 Quaker Lane
Alexandria, VA

ETI File Review:

- * VDEQ closure letter sent to RP Date of letter _____

- * VDEQ request letter sent to RP Date of letter _____

- Handwritten report describes removal of
several tanks. Some values are provided
for concentrations (probably H₂O) but no
hardcopy analyticals. No soil removed
No letters from VDEQ to request data
Recommend further investigation
SM/ETI

- Report requested _____
- Suspected release _____
- Confirmed release _____

- * RP report sent to VDEQ SCR/Date _____

- SCR Addendum/Date(s) _____
- CAP/Date _____
- * CAP Addendum/Date(s) _____

In accordance with our meeting on August 1, 1994, and based on VDEQ-NRO guidance dated August 1, 1994, ETI recommends the following:

- Closure _____
- Continued investigation _____
- Further review _____

2006-3082



COMMONWEALTH of VIRGINIA

DEPARTMENT OF ENVIRONMENTAL QUALITY

W. Tayloe Murphy, Jr.
Secretary of Natural Resources

Northern Virginia Regional Office
13901 Crown Court
Woodbridge, VA 22193-1453
(703) 583-3800 fax (703) 583-3801
www.deq.state.va.us

Robert G. Burnley
Director

Jeffery A. Steers
Regional Director

October 28, 2005

Mr. Don Simpson, Jr.
Construction Manager
Simpson
2121 Eisenhower Avenue
Alexandria, Virginia 22314

**RE: PC#2006-3082; CASE CLOSED; Lexus of Alexandria
3410 King Street, Alexandria City 22302**

Dear Mr. Simpson:

Following a review of the referenced file and based upon the information you have submitted regarding current site conditions, the Department of Environmental Quality (DEQ) has determined that contamination levels at this site do not represent an identified risk to human health and the environment. Therefore, this case is closed and further corrective action related to this release is not required.

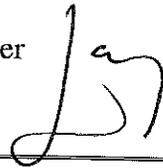
Please be advised, however, that should further environmental problems occur, which the DEQ determines are related to this release, the DEQ reserves the right pursuant to Virginia Law and Regulations to require additional investigation and/or corrective action.

Although no further corrective action is required related to this release, the following items may need to be addressed:

- Any groundwater monitoring wells installed as a result of this release must be properly closed in accordance with Section 5.8 and Appendix C of the DEQ Storage Tank Program Technical Manual.
- Any removed, closed-in-place, existing or new regulated underground storage tank (UST) must be registered with the DEQ. A UST Notification form (Form 7530-1) must be completed and sent to the DEQ Central Office in Richmond, Virginia. Completion of this form is not required if your tank(s) is currently registered and the registration is up-to-date. Certain types of tanks, such as tanks which contain heating oil that is used to heat the premises where the tank is located and tanks with a capacity of 1100 gallons or less which contain motor fuel for noncommercial purposes, are not required to be registered.

Memorandum

Subject: Case Closure, PC2006-3082, Lexus of Alexandria, Alexandria
Through: Cynthia A. Sale, Environmental Administrator, Remediation
To: NVRO File
From: Jay Green, Geologist/Program Manager
Date: October 27, 2005
Copies: Chron



On October 12, 2005, this office received a report that a release of hydraulic oil had occurred at the referenced facility. The release was discovered during the removal of four hydraulic lifts that were in use. During the removal of the lifts that were in use, eight previously abandoned hydraulic lifts were discovered.

On October 13, 2005, I conducted a site visit to verify and observe site conditions. I observed that the concrete floor in the garage that covered the hydraulic lifts had been removed. The soil under the concrete floor also had been removed. The removal of all twelve hydraulic lifts required the removal of all soil to a depth of approximately six feet. I did not observe any oil, overtly oiled soil nor did I detect any petroleum odors.

On October 14, 2005, A2Z Environmental Group, LLC, provided this office with the special waste disposal manifest for the soil which was removed from the garage and disposed at the Modern Landfill located in York, PA. A2Z also submitted soil analytical result from the area where the soil had been excavated. DRO range hydrocarbon concentration in soil was 250 milligrams per kilogram.

The analytical method used, EPA SW 846 8015 may not have been the most appropriate method to use. DEQ guidance recommends Method 1664 or 413.1. However, hydraulic lifts normally do not store more than 50 gallons of oil and the oil stored has a low viscosity as well as a propensity to partition onto soil. The lifts were situated under a building and ground water is characteristically at depths greater than 30 feet below grade in this area of Alexandria. Any significant contamination should have been visible. Given the lack of visual contamination, the depth to ground water, the lack of recognized receptors at this address, the immobile nature of hydraulic oil, the limited amount of oil stored in the lifts at any one time and the large amount of soil that was removed from the excavation and disposed, it is improbable that any error introduced into the risk analysis which was a result of improper analytical methods would change the risk analysis made by this program. Therefore, the reported concentrations within the excavation are not likely to present an unacceptable risk to human health, safety and the environment.

I recommend that this case be closed.

Simpson.

Jeff Buttton

2121 Eisenhower Avenue
Suite 300
Alexandria, Virginia 22314
Tel: 703 299-0029
Fax: 703-299-0020

To: Virginia Department of Environmental Quality
Woodbridge Virginia Office:

PC2006 3022

Attn. Mr. Jay Green
Phone: 703-583-3800
Fax: 703-583-3821

Date: October 11, 2005

Re: Project Notification concerning Automotive Lift removal at Lindsay Lexus Service Building located at 3410 King Street, Alexandria Virginia:

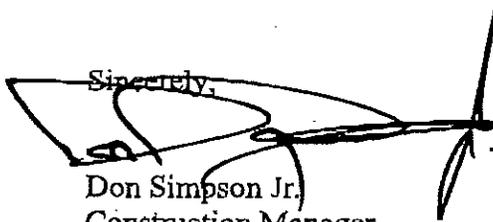
Dear Mr. Green,

As Construction Manager on the Lindsay Service Center project in Alexandria Virginia, I would like to advise you that we are in the process of renovating the existing service building which includes the removal of the existing automotive lifts in the service bay area. During the demolition and removal of the lifts, the demolition firm encountered hydraulic oil in the ground that had leaked from some of the old existing lifts. The firm is in the process of excavating and removing the 4 lifts and would like to confirm how to proceed prior to backfilling the area.

Our remediation firm that is currently on site is the A2Z remediation company located in Joppa, Maryland. Their project manager contact on site is Mr. Bob Rutherford. His contact phone number is 443-250-3234. He has requested that I contact you to notify you of this project and confirm if you need to inspect the site and/or what the next course of action is.

If you could please review and contact us to advise how to proceed it would be greatly appreciated! Thank you very much for your assistance.

Sincerely,



Don Simpson Jr.
Construction Manager
(703) 299-0029

Copy: Mr. Jim Packer, Buch Construction, General Contractor
Mr. Bill Rousos, Architects Group Practice

CHRISTY SLAW

Environmental Services Manager

cslaw@fandr.com



Education

B.S., Chemistry, North Carolina Wesleyan College, 1995

B.A., Environmental Sciences, North Carolina Wesleyan College, 1995

Registrations

Virginia Institute of Marine Science-USACOE Wetland Delineation Course

NIOSH 582 Sampling and Evaluating Airborne Asbestos Dust

Lead Inspector Technician

Asbestos Project Monitor/Designer

Asbestos Inspector

Lead Supervisor/Designer

OSHA Health and Safety Training - 29 CFR 1910.120

Years of Experience

19 Years with F&R
21 Years Total

Christy Slaw manages a full service environmental and industrial hygiene consulting team servicing the Mid-Atlantic region. Ms. Slaw's duties include consultation with clients on regulatory and technical issues in support of their business processes including risk management; real estate acquisition and development; and industrial operations. Ms. Slaw also manages client relationships; prepares proposals and scope of work documents; and reviews technical reports. Her duties also include daily project management of environmental investigative studies and assessments.

Relevant Experience

Various Commercial Banking Companies

Mid-Atlantic Region

Ms. Slaw has performed and managed over 1,500 Phase I and Phase II Environmental Site Assessments (ESAs) on a variety of residential, commercial, and industrial properties including portfolio projects of over fifty sites spanning several states. These services included reconnaissance of the site and adjoining properties, interviews, and review of historical records and regulatory databases and files in an effort to identify evidence of recognized environmental conditions in connection with the site. The majority of these assessments also addressed business environmental risk concerns such as asbestos, lead-based paint, mold, erosion and sediment control issues, wetlands, and floodplains.

Virginia Community College System (VCCS)

Statewide Virginia

Ms. Slaw performed and managed Environmental Impact Reviews (EIRs) and industrial hygiene services in support of facility expansion and construction projects at several VCCS campuses. The EIR projects focused on NEPA issues including evaluation of impact to wilderness and wildlife areas; threatened/endangered species; sites of historical or cultural significance; wetlands and Waters of the US; and floodplain areas. Industrial hygiene services consisted of performing hazardous material surveys; lead-based paint assessments; NESHAP-compliant asbestos inspections; and asbestos abatement project monitoring services.

Various Telecommunication Tower Companies

Mid-Atlantic Region

Ms. Slaw conducted and managed Phase I ESAs and NEPA Screenings to support cellular tower construction and collocation in both rural and urban environments. These projects included NEPA issues including evaluation of impact to wilderness and wildlife areas; threatened/endangered species; sites of historical or cultural significance; wetlands and Waters of the US; and floodplain areas. In some instances these assessment also included evaluation of high intensity lighting and radio frequency radiation exposure.

U.S. Department of Defense (DOD)

Statewide Virginia

Ms. Slaw prepared EAs for facility upgrades and construction projects at several DOD facilities in Virginia. These projects were performed in conformance with NEPA and included analysis of the potential impact of the proposed action on factors including biological resources, water resources, transportation infrastructure, visual resources, air quality, socioeconomic conditions, threatened/endangered species, wetland areas, and land use. In each project several alternatives were analyzed to determine the course of action with the least impact.