

**REPORT ON  
ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT AND  
LIMITED PHASE II SUBSURFACE SAMPLING  
POTOMAC AVENUE & 1<sup>ST</sup> STREET SW  
WASHINGTON, DC**

by

**Haley & Aldrich, Inc.  
McLean, Virginia**

for

**McKissack & McKissack  
Washington, DC**

**File No. 40223-002  
9 September 2014**



Haley & Aldrich, Inc.  
7926 Jones Branch Dr.  
Suite 870  
McLean, VA 22102

Tel: 703.336.6200  
Fax: 703.356.4699  
HaleyAldrich.com

9 September 2014  
File No. 40223-002

McKissack & McKissack  
1401 New York Avenue, NW  
Suite 900  
Washington, DC 20005

Attention: James Beall  
Senior Project Manager

Subject: ASTM Phase I Environmental Site Assessment and Limited Subsurface Sampling  
Potomac Electric Power Company Parcels at Buzzard Point, Square 0661, Lot 0805,  
Square 0661, Lot 0804 and Square 0665, Lot 0024  
Washington, DC

Ladies and Gentlemen:

The enclosed report presents the results of a Phase I environmental site assessment (Phase I assessment) conducted at the above-referenced Potomac Electric Power Company (PEPCO) properties, Square 0661, Lot 0805, Square 0661, Lot 0804 and Square 0665, Lot 0024, in Washington, DC (herein referred to as the "subject site"). A Phase I assessment was conducted by Haley & Aldrich, Inc. (Haley & Aldrich) for seven parcels at Buzzard Point proposed for redevelopment as a professional soccer stadium, in accordance with our proposal to McKissack & McKissack dated 28 June 2013 ("Agreement"). This report was prepared in response to a request from McKissack & McKissack to provide a separate stand-alone Phase I assessment for the subject site. The results of limited Phase II subsurface sampling, performed to evaluate the potential impact of "recognized environmental conditions" (RECs), are also included in this report.

Our conclusions regarding the presence and potential impact of RECs on the subject site are intended to help the user evaluate the "business environmental risk" associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in Section 1.1 of this report.

Thank you for the opportunity to perform these services for you. Please do not hesitate to contact us if you have any questions or comments.

Sincerely yours,  
HALEY & ALDRICH, INC.

Karin S. Holland  
Senior Technical Specialist

David A. Schoenwolf, P.E.  
Principal Consultant | Senior Vice President

G:\Projects\40223 - M&M Potomac Ave SW\002\Reports\PEPCO\2014\_0909\_HAI\_PotomacAve PI\_PEPCO\_D.docx



**REPORT ON  
ASTM PHASE I ENVIRONMENTAL SITE ASSESSMENT AND LIMITED SUBSURFACE  
SAMPLING  
POTOMAC ELECTRIC POWER COMPANY PARCELS AT BUZZARD POINT, SQUARE  
0661, LOT 0805, SQUARE 0661, LOT 0804 AND SQUARE 0665, LOT 0024  
WASHINGTON, DC**

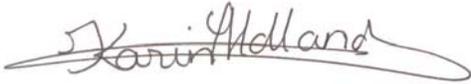
by

**Haley & Aldrich, Inc.  
McLean, Virginia**

The undersigned declare the following:

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

We have the specific qualifications based on education, training, and experience to assess the nature, history, and setting of the subject site and “develop opinions and conclusions regarding conditions indicative of releases or threatened releases.” We have developed and performed the “all appropriate inquiries” (AAI) in conformance with the standards and practices set forth in 40 CFR Part 312.



**Karin Holland  
Senior Technical Specialist**



**David A. Schoenwolf, P.E.  
Principal Consultant | Senior Vice President**

for

**McKissack & McKissack, Inc.  
Washington, DC**

**File No. 40223-002  
September 2014**

## EXECUTIVE SUMMARY

Haley & Aldrich, Inc. (Haley & Aldrich) performed a Phase I environmental site assessment (Phase I assessment) of the Potomac Electric Power Company (PEPCO) parcels at Buzzard Point, Square 0661, Lot 0805, Square 0661, Lot 0804 and Square 0665, Lot 0024 (herein referred to as the “subject site”) in Washington, DC. The scope of work is described and conditioned by our proposal dated 28 June 2013. As indicated in our proposal, this Phase I assessment was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 Code of Federal Regulations (CFR) Part 312 [the All Appropriate Inquiries (AAI) Rule]. Deviations from this Standard, and/or data gaps and their significance are described in Section 1.5 of this report. Limited Phase II subsurface sampling was also conducted to evaluate issues identified during the Phase I portion of the assessment. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in Section 1.1 of this report.

The subject site comprises three lots with the following current uses:

- Square 0661, Lot 0805 is used as a parking lot.
- Square 0661, Lot 0804 is vacant.
- Square 0665, Lot 0024 is used as an electrical substation.

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site, as defined in the ASTM E 1527-05 Standard and in Section 1.1 of this report. The objective of the limited Phase II subsurface sampling is to provide a preliminary evaluation of RECs identified during the Phase I portion of the assessment, including order of magnitude cost and schedule impacts on the proposed development.

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our opinion is rendered with respect to a REC’s potential (high, medium, or low) to require remedial response based on prevailing agency requirements and our understanding that the subject site is one of seven parcels being evaluated for potential redevelopment as a professional soccer stadium. Our opinion regarding a REC's potential impact on the subject site (high, medium, low, or unknown) is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and/or our experience evaluating similar sites, and our understanding of the client's intended use for the subject site.

Access was not provided for Square 0665, Lot 0024. Square 0665, Lot 0024 is surrounded by a tall fence of at least 8 feet, blocking all views to this lot. A special permit is required for site access to Square 0665, Lot 0024 due to its current use as an electrical substation. It was therefore not possible to assess current conditions at this property. This non-accessible area comprises a data gap for this report.

## RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-05 Standard defines a REC as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

This Phase I assessment has revealed nineteen RECs. Details regarding the nature of these RECs and our opinion regarding potential impacts are provided below.

## KNOWN RECOGNIZED ENVIRONMENTAL CONDITIONS

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs). Three KRECs has been identified on the subject site based on the limited Phase II subsurface sampling results.

**KREC #1:** Soil and groundwater petroleum impacts from historical sources or off-site source

**Potential Impact:** High

**Explanation:** Two soil samples (GTW-661-804-2 collected at a depth of 10-15 feet below ground surface [bgs] and GTW-661-804-3 at a depth of 20-25 feet bgs), (refer to Table I and Figure 3) collected by Haley & Aldrich from Square 0661, Lot 0804 in proximity to former ASTs revealed total petroleum hydrocarbons–diesel range organics (TPH-DRO) concentrations of 483 and 1,260 milligrams per kilogram (mg/kg) respectively. In addition, at GTW-661-804-3, total petroleum hydrocarbons–gasoline range organics (TPH-GRO) were detected at a concentration of 511 mg/kg. These concentrations of TPH exceed the D.C. Municipal Regulations (DCMR) Tier 0 Soil Standard for TPH of 100 mg/kg and thus confirm the presence of petroleum contamination in soil. The vertical extent of impacts in soil is currently not known. TPH-GRO and TPH-DRO were detected below DC Tier 1 Surface and Groundwater Standards in groundwater GTW-661-804-3, as well as at GTW-661-804-1 advanced in the southeastern portion of this parcel, and were not detected at GTW-661-804-2 (refer to Table II). The TPH-GRO concentration in GTW-661-804-1 and GTW-661-804-3 exceeded the EPA Regional Screening Level (RSL) of 0.033 mg/L for TPH low aromatics (benzene). The TPH-DRO concentration in GTW-661-804-3 exceeded the RSL of 0.005 mg/L for TPH medium aromatics (naphthalene). Furthermore, the horizontal extent of impacts is also unknown; however TPH was not encountered in soil, and TPH-GRO was detected in GTW-661-804-1 at a concentration of 0.66 mg/L, an order of magnitude below that observed at GTW-661-804-3 (3 mg/L).

Furthermore, benzene exceeded the DCMR Tier 1 Surface and Groundwater Standard, the EPA Maximum Contaminant Level (MCL) of 0.005 milligrams per liter (mg/L) for drinking water and EPA tap water RSL of 0.00045 mg/L in

wells GTW-661-804-1 (0.0344 milligrams mg/L) and GTW-661-804-3 (0.0082 mg/L). Ethylbenzene was detected at a concentration of 0.0122 mg/L in GTW-661-804-3 at depths of 20-25 feet bgs, above the associated EPA RSL for tap water of 0.0015 mg/L. Naphthalene was observed in wells GTW-661-804-1 and GTW-661-804-3 at 0.0014 mg/L and 0.0674 mg/L, respectively, which exceed the EPA RSL of 0.00017 mg/L.

**KREC #2:** Petroleum impacts in groundwater in southeastern corner of Square 0661, Lot 0804

**Potential Impact:** Moderate

**Explanation:** As described above, a groundwater sample (GTW-661-804-1, see Table II and Figure 3) collected at a depth of 20-25 feet bgs in the southeastern portion of Square 0661, Lot 0804 parcel revealed benzene at a concentration of 0.0344 mg/L. This concentration exceeds the respective DC Groundwater Standards and EPA MCL of 0.005 mg/L and the EPA RSL for tap water of 0.00045 mg/L. Naphthalene was also detected at concentrations of 0.0014 mg/L, above the associated EPA RSL for tap water of 0.00017 mg/L. Benzene and naphthalene were not detected in soil at this or other locations at Square 0661, Lot 0804, suggesting that groundwater may be impacted by an off-site source.

**KREC #3:** Petroleum impacts in soil at Square 0661, Lot 805

**Potential Impact:** Low

**Explanation:** TPH-DRO were detected at a concentration of 38.3 mg/kg in a composite soil sample, GTW-661-COMP-805-1, collected at 0-2 feet in the southeastern corner of Square 0661, Lot 805. This concentration exceeds the EPA RSL for Residential Soil of 0.61 mg/kg for TPH-DRO but does not exceed the DC Tier 0 Soil Standard for TPH-DRO of 100 mg/kg. Soil and groundwater at depths below 2 feet were not sampled at this location and therefore the vertical extent of impact in soil is currently not known. Due to the proposed future land use of this site, the EPA screening level for residential exposure is most likely not applicable to the subject site.

## **SUSPECT RECOGNIZED ENVIRONMENTAL CONDITIONS**

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The Phase I assessment identified twelve SRECs.

### **Suspect Recognized Environmental Conditions**

**SREC #1:** Substation operations at PEPCO Square 665, Lot 0024

**Potential Impact:** High

**Explanation:** Site access was not provided for Square 665, Lot 0024. Due to the age of the substation and the nature of activities taking place, there is a potential for leaks, spills or Polychlorinated Biphenyl (PCB) containing materials to be present at this lot. A monitoring well, GTW-661-24-1, was advanced along the western boundary of this parcel. PCBs were not detected in soil suggesting that PCBs have not migrated to the west of this parcel.

The following SRECs were identified on the adjacent properties south of the subject site.

**SREC #2:** Potentially leaking AST and underground pipeline at PEPCO Square 609, Lot 0804  
**Potential Impact:** Low  
**Explanation:** A #6 fuel oil AST was installed in the late 1960s at the property at Square 0609, Lot 0804; and Square 0611, Lots 19 and 10. An underground pipeline was used to connect the AST to the nearby Generating Station. The AST was decommissioned and the underground pipeline filled in 1981. No information regarding releases from the AST or pipeline is known. The site was also formerly employed for bulk fuel storage and vehicle and equipment maintenance and storage. Two independent sampling programs conducted in 2005 indicated that soil and groundwater was affected by petroleum hydrocarbon releases. It is unknown whether more recent studies have been performed at this site and whether soil and groundwater are still impacted.

The following SRECs were observed on the adjacent properties west of the subject site during a site visit by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August 2013.

**SREC #3:** Potentially unlined/unpaved sump at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** On-site stormwater and spills are captured and pumped to a sump in the southwestern portion of the lot before being disposed off-site by a licensed contractor. During a site visit to this property in August 2013, the sump contained large quantities of oily liquid and it was not possible to ascertain whether the sump was lined and/or confirm the integrity of the lining. The site representative could not confirm the status of the sump lining. A potential therefore exists for hydrocarbons to migrate from the sump to the subsurface, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

**SREC #4:** Heavy staining of concrete at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** During the site visit to this property in August 2013, heavy concrete staining was observed at many locations. The concrete was in moderate to good condition where visible. In other areas, for example the area surrounding the sump's pump, the staining was too thick to confirm the integrity of the concrete. A potential therefore exists for hydrocarbons to migrate to soil and groundwater under this property, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

**SREC #5:** Oil layer in secondary containment under aboveground storage tanks (ASTs) at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** A thick layer of oil was observed at the bottom of the AST tanks in the eastern portion of this property during the site visit in August 2013. It is understood that the flooring of the containment is paved with concrete. However, the integrity of the concrete could not be confirmed. A potential therefore exists

for hydrocarbons to migrate to soil and groundwater under this property, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

**SREC #6:** Concrete staining in area of an AST at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** Concrete staining on paving next to an AST was observed in the northern portion of this property. The concrete paving was in relatively good condition. However a large quantity of waste had been dumped immediately adjacent to the AST preventing Haley & Aldrich representatives from confirming the condition of the concrete beneath this waste. A potential therefore exists for hydrocarbons to migrate to soil and groundwater under this property, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

Two SRECs were identified on the Akridge parcel, Square 0607, Lot 0013, located adjacent to the subject site to the west during a limited Phase II subsurface investigation performed by Haley & Aldrich in December 2013.

**SREC #7:** Minor groundwater contamination associated with chlorinated solvents  
**Potential Impact:** Low  
**Explanation:** Advantage Environmental Consultants, LLC (AEC) detected chlorinated solvents (tetrachloroethylene, trichloroethylene [TCE], 1,2 dichloroethane, and vinyl chloride) in a groundwater sample collected near the southeast corner of the property during a Phase II assessment conducted in 2005. The source of the chlorinated solvents is not known; however, Geomatrix, Inc. indicated an “asphalt pit” in this area of the subject site on Figure 3 of a Phase II assessment report completed in 1990. Chlorinated solvents detected in groundwater may also be due to migration from an unknown source upgradient from the property. A groundwater sample collected by Haley & Aldrich in this area of the site confirmed the presence of minor contamination associated with chlorinated solvents, including relatively low concentrations of trichloroethylene and vinyl chloride (43.9 and 38 micrograms per liter [ $\mu\text{g/L}$ ], respectively). The vinyl chloride concentration exceeds the EPA RSL for residential exposure via ingestion, which may not be applicable to the subject site. The extent of impact is not known, although volatile organic compounds were reportedly not detected in groundwater samples collected by AEC at several other locations in 2005, suggesting the extent may be limited to the southeast corner of the subject site. However, due to the tidal nature of underlying groundwater, a potential exists for these hydrocarbons to have migrated to the subject site.

**SREC #8:** Heavy staining near floor drains in the on-site storage building  
**Potential Impact:** Low  
**Explanation:** Heavy staining of the concrete floor appearing to be caused by hydrocarbons was observed immediately surrounding two floor drains, one in the northwestern portion and a second in the southeastern portion of the building. Although no cracks were apparent in the concrete in the areas where staining was observed, it is unknown whether the source of the stains has also migrated



into these floor drains or where the floor drains discharge. In addition, the source of the staining could have penetrated the concrete floor. A potential therefore exists for apparent hydrocarbon spills or leaks to have migrated to the subsurface, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

The following SRECs were observed on the adjacent properties east and northeast of the subject site during a site visit by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August 2013.

**SREC #9:** Open Leaking Underground Storage Tank (LUST) case adjacent to subject site at 1812 Half St., SW

**Potential Impact:** Low

**Explanation:** A LUST entry (case # 95015) in December 1994 reportedly impacted soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site.

**SREC #10:** Open LUST case adjacent to subject site at 1601 S Capitol St., SW

**Potential Impact:** Medium

**Explanation:** A LUST entry (case # 2013006) for a release listed as heating oil, gasoline, diesel from a UST in April 2013 reported impacts to soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Haley & Aldrich advanced a monitoring well, GTW-661-800-1, in the southeastern portion of Square 0661, Lot 0800 in June 2014. Petroleum hydrocarbons were not detected in a soil sample collected at 10-15 feet bgs at this location. Groundwater was not encountered at the monitoring well depth of 22 feet bgs; however, there is a potential for deeper groundwater to be present and impacted. Due to the tidal influence of the area, a potential exists for impacted groundwater to have migrated under the subject site.

**SREC #11:** Open LUST case adjacent to subject site at 1625 S. Capitol St., SW

**Potential Impact:** Low

**Explanation:** A LUST entry (case # 2013005) associated with the release of heating oil, gasoline or diesel from an UST in March 2013 reported impacts to soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted by the LUST and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site. As noted above, Haley & Aldrich advanced a monitoring well, GTW-661-800-1, in the southeastern portion of Square 0661, Lot 0800 in June 2014. Petroleum hydrocarbons were not detected in a soil sample collected at 10-15 feet bgs at this location. Groundwater was not encountered at a depth of 22 feet bgs in this monitoring well. However, there is a potential for deeper groundwater to be present and impacted at this property. Due to the tidal influence of the area, a potential exists for impacted groundwater to have migrated under the subject site.

**SREC #12:** Open LUST case adjacent to subject site at 1721 S. Capitol Street, SW  
**Potential Impact:** Low  
**Explanation:** A LUST entry (case # 87012) for a release listed as gasoline/heating oil from the UST was reported in September 1987. The LUST reportedly impacted soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Low levels of benzene, toluene, xylenes, chloromethane, naphthalene and TPH-GRO were detected in groundwater at a monitoring well, GTW-661-804-1, located in the southeastern portion of Square 0661, Lot 0804 and advanced in June 2014. These concentrations were below applicable regulatory limits. Hydrocarbons were not detected in soil at this location. However, due to the tidal influence of the area, a potential exists for impacted groundwater to have migrated under the subject site to the north and south of this monitoring well.

### **HISTORICAL RECs**

The ASTM E 1527-05 Standard defines an HREC as an environmental condition “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

This Phase I assessment has revealed the following four HRECs.

**HREC #1:** LUST case # 93051 in Square 0665, Lot 0024, PEPCO Generating Station. In 1993, significant gasoline and diesel contamination was discovered in soil and groundwater on the northern portion of Square 0665, Lot 0024. PEPCO performed monitoring and remediation activities during the 1990s, removing more than 1,000 gallons of liquid-phase hydrocarbons (LPH). A No Further Action letter was issued by the Government of the District of Columbia, dated 1 April 2010. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #2:** A 20,000 gallon gasoline LUST (case # 93094) at Square 0607, Lot 0013, immediately adjacent to the west of the subject site, historically impacted soil and groundwater under the subject site and was reported in August 1993. The LUST case received regulatory closure in May 1994. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #3:** LUST case # 96030 at Square 0605, Lot 0802, immediately adjacent to the west of the subject site, and related to a tank containing gasoline was reported to be impacting soil and was granted regulatory closure. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #4:** A LUST case was reported at Opportunity Concrete Garage, 1601 S Capitol St., SW. The LUST entry was associated with the release of gasoline from a UST in November 1993 and reportedly impacted soil. The status of this release is listed as closed. Based on the status of the LUST entry and impacts being limited to soil, the gasoline release does not present a threat to human health or the environment under current site conditions and is unlikely to require additional regulatory action.

### **DE MINIMIS CONDITIONS**

The ASTM E 1527-05 Standard defines *de minimis* conditions as those conditions which “do 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.” The ASTM E 1527-05 Standard notes that “conditions determined to be *de minimis* are not recognized environmental conditions.”

This Phase I assessment revealed the following *de minimis* condition: Two drums containing unknown liquids were observed in the southern portion of Square 0661 Lot 0805 in a vegetated area. Staining of vegetation surrounding the drums was not observed.

### **SUMMARY AND RECOMMENDATIONS**

In summary, several RECs were identified during the comprehensive Buzzard Point Phase I assessment in August 2013 and subsequent Phase II sampling in June 2014. Limited Phase II subsurface sampling described in this report confirmed petroleum impacts were detected in soil and groundwater beneath the subject site. Based on the elevated hydrocarbon concentrations detected at Square 0661, Lot 0804 and Square 0661, Lot 0805, it is our opinion that further investigation is warranted if delineation of petroleum impacts is desired and to refine possible material management options and associated costs. Furthermore, it is still unknown whether soil and groundwater under Square 665, Lot 024 is impacted, and if so, what extent of impacts is present. Based on the data obtained, soil and groundwater management may be required during construction activities:

- Groundwater impacted by petroleum hydrocarbons in proximity to the former ASTs at Square 661 Lot 804 may require treatment prior to discharge or off-site disposal. If a deep structure (i.e. subsurface parking garage) is constructed in this area of the subject site that requires long-term dewatering, then a treatment system may be required, along with appropriate maintenance, permitting, and monitoring.
- Petroleum-impacted soil in proximity to the former ASTs at Square 661 Lot 804 may not be appropriate for use as off-site fill and may require special handling and disposal. However, depending upon the type or development proposed, the impacted soil may be able to be managed on-site with agency approval and the use of institutional and/or engineering controls.

We recommend developing a site-specific health and safety plan and a soil management plan to address proper handling of excavated soil. If groundwater will be encountered during the proposed development, then the soil management plan should include proper handling procedures for construction dewatering. Excavated soil may require characterization and treatment/off-site disposal. The District Department of the Environment (DDOE) may require submission of a Work Plan to document how the developer will comply with applicable standards.

Schedule impacts on the proposed development associated with the recommended tasks range from 3 to 6 months, depending upon DDOE review and approval. Potential order of magnitude cost impacts from

the identified RECs on the proposed development range from \$25,000 to \$250,000 (see Table III for assumptions regarding these order of magnitude costs). **Note that these cost ranges assume a nominal volume of soil (200 cubic yards) and groundwater (4,000 gallons) will require removal for the proposed development.** We have assumed deep foundation designs that produce minimal soil and groundwater spoils. If shallow foundations or a subsurface structure is constructed on the site, requiring the removal of a greater volume of soil and groundwater than we have assumed, then we request the opportunity to revise our order of magnitude cost and schedule impacts accordingly.

The remainder of this report contains additional information regarding the Phase I assessment, the resulting findings summarized above, and limitations affecting this report.

## TABLE OF CONTENTS

	<b>Page</b>
<b>EXECUTIVE SUMMARY</b>	<b>ii</b>
<b>LIST OF TABLES AND FIGURES</b>	<b>xii</b>
<b>1. INTRODUCTION</b>	<b>1</b>
1.1 Objective	1
1.2 Site Identification	2
1.3 Scope of Services	2
1.4 Non-Scope Considerations	3
1.5 Exceptions and Deviations	3
<b>2. SITE DESCRIPTION</b>	<b>5</b>
2.1 Site Ownership and Location	5
2.2 Site and Vicinity Description	5
2.3 Physical Setting	5
<b>3. PREVIOUS REPORTS</b>	<b>7</b>
<b>4. SITE HISTORY</b>	<b>11</b>
<b>5. ENVIRONMENTAL RECORDS REVIEW</b>	<b>13</b>
5.1 Standard Environmental Records Review	13
5.2 Additional Environmental Records Review	18
5.3 User Responsibilities	18
<b>6. SITE RECONNAISSANCE AND KEY PERSONNEL INTERVIEW(S)</b>	<b>20</b>
6.1 Subject Site Observations	20
6.2 Adjoining Property Observations	23
<b>7. SUBSURFACE EXPLORATION</b>	<b>24</b>
7.1 Geoprobe Sampling and Monitoring Well Installations 26 June through 1 July 2014	24
7.2 Subsurface Findings	25
<b>8. FINDINGS AND CONCLUSIONS</b>	<b>27</b>
<b>9. CREDENTIALS</b>	<b>36</b>
<b>REFERENCES</b>	<b>37</b>
<b>TABLES</b>	
<b>FIGURES</b>	
<b>APPENDIX A – Proposals and Agreements</b>	
<b>APPENDIX B – Historical Research Documentation</b>	
<b>APPENDIX C – Site History</b>	
<b>APPENDIX D – Regulatory Records Documentation</b>	
<b>APPENDIX E – Site Photographs</b>	
<b>APPENDIX F – Geoprobe Reports &amp; Observation Well Installation Reports</b>	
<b>APPENDIX G – Groundwater Sampling Records</b>	
<b>APPENDIX H – Laboratory Analytical Reports</b>	

**LIST OF TABLES**

<b>Table No.</b>	<b>Title</b>
I	Summary of Soil Quality Data
II	Summary of Groundwater Quality Data
III	Order of Magnitude Cost and Schedule Impacts from Identified RECs

**LIST OF FIGURES**

<b>Figure No.</b>	<b>Title</b>
1	Project Locus
2	Site Plan
3	Sampling Locations

## 1. INTRODUCTION

This report presents the results of a Phase I environmental site assessment (Phase I assessment) and limited Phase II subsurface sampling conducted at the PEPCO parcels at Buzzard Point (Square 0661, Lot 0805, Square 0661, Lot 0804 and Square 0665, Lot 0024) in Washington, DC (herein referred to as the “subject site”). A Phase I assessment was conducted by Haley & Aldrich, Inc. (Haley & Aldrich) for seven parcels at Buzzard Point proposed for redevelopment as a professional soccer stadium, in accordance with our proposal to McKissack & McKissack dated 28 June 2013 (“Agreement”, Appendix A). This report was prepared in response to a request from McKissack & McKissack to provide a stand-alone Phase I assessment for the subject site and the other parcels once Limited Phase II subsurface sampling was performed at the different parcels. Limited Phase II subsurface sampling was conducted on the subject site in accordance with our proposal dated 24 September 2013 (“Agreement”, Appendix A) to McKissack & McKissack. This Phase I assessment was performed in conformance with the scope and limitations of the American Society of Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) to comply with 40 Code of Federal Regulations (CFR) Part 312 (the All Appropriate Inquiries [AAI] Rule).

### 1.1 Objective

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site by evaluating subject site history, existing observable conditions, current subject site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. RECs are defined in the ASTM E 1527-05 Standard as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water at the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E 1527-05 Standard defines HRECs as environmental conditions “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

The objective of the limited Phase II subsurface sampling was to provide a preliminary evaluation of RECs identified during the Phase I portion of the assessment, including order of magnitude cost and schedule implications on the proposed development. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the subject site, defined in the

ASTM E 1527-05 Standard as “a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations...”

The completion of this Phase I assessment is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM E 1527-05 Standard and the AAI Rule. User responsibilities are discussed in Section 5.3 of this report. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

## **1.2 Site Identification**

The subject site is owned by PEPCO and is bounded by R Street SW to the north, Half Street SW to the east, 1<sup>st</sup> Street SW to the west and T Street SW to the south, as shown on the Project Locus, Figure 1. The subject site comprises three parcels:

- Square 0661, Lot 0805 is employed as a parking lot.
- Square 0661, Lot 0804 is vacant.
- Square 0665, Lot 0024 is used as an electrical substation.

## **1.3 Scope of Services**

Haley & Aldrich performed the following scopes of service to complete this Phase I assessment. These services were performed either by, or under the direct supervision of, an environmental professional as defined by the AAI Rule.

1. Conducted visual observations of site conditions, and of abutting property use, to evaluate the nature and type of activities that have been or are being conducted at and adjoining to the subject site, in terms of the potential for release or threat of release of hazardous substances or petroleum products.
2. Reviewed federal, state, tribal, and local environmental database information within the ASTM-specified distance from the subject site using a database service to access records. Used 7.5-minute topographic maps to evaluate the subject site’s physical setting.
3. Reviewed District environmental files pertaining to the subject site and nearby sites with the potential to impact the subject site.
4. Reviewed previous reports prepared for the subject site.
5. Reviewed the following sources of historical use information: Sanborn maps, aerial photographs and topographic maps.



6. Contacted District agencies regarding the subject site and surrounding properties and structures.
7. Interviewed the key site manager and property tenant representatives.
8. Performed limited Phase II subsurface sampling and analysis.
9. Interpreted the information and data assembled as a result of the above work tasks, and formulated conclusions regarding the potential presence and impact of RECs, including HRECs.

#### **1.4 Non-Scope Considerations**

The ASTM E 1527-05 Standard includes the following list of “additional issues” that are non-scope considerations outside of the scope of the ASTM Phase I assessment practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. These items were not included in this Phase I assessment of the subject site.

A limited assessment of the presence of polychlorinated biphenyls (PCBs) is included in the ASTM work scope. Accordingly, our assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as “electrical or hydraulic equipment known or likely to contain PCBs...to the extent visually and or physically observed or identified from the interview or records review.”

#### **1.5 Exceptions and Deviations**

##### **1.5.1 Deviations**

Haley & Aldrich completed this Phase I assessment in substantial conformance with the ASTM E 1527-05 Standard. In our opinion, no additions were made to or deviations and deletions made from the ASTM work scope in completing this Phase I assessment.

##### **1.5.2 Data Gaps**

Access was not provided for Square 0665, Lot 0024. This lot is surrounded by tall fence of at least eight feet, blocking all views to this lot. Due to the nature of activities taking place at Square 0665, Lot 0024, a special permit is required for site access. It was therefore not possible to assess current conditions at these this property. This non-accessible area comprises data gaps for this report.

##### **1.5.3 Limitations**

Our work for this project was performed in accordance with the standards and practices set forth in 40 CFR Part 312 and is consistent with the ASTM E 1527-05 Standard for Phase I Environmental Site Assessments. Several organizations other than ASTM, such as professional associations ASFE and AGWSE, have also developed guidelines or standards for environmental site assessments. The Phase I assessment presented in this report may vary from the specific guidelines or standards required by other organizations.

This Phase I assessment was prepared pursuant to an Agreement dated 22 July 2013 between McKissack & McKissack and Haley & Aldrich, which Agreement is attached hereto and is made a part of this report. The limited Phase II subsurface sampling was performed pursuant to an Agreement dated 30 October 2013 between McKissack & McKissack and Haley & Aldrich (Appendix A). All uses of this report are subject to, and deemed accepting of, the conditions and restrictions contained in these Agreements. The observations and conclusions described in this report are based solely on the Scope of Services provided pursuant to these Agreements. Haley & Aldrich has not performed any additional observations, investigations, studies, or other testing not specified in these Agreements. Haley & Aldrich shall not be liable for the existence of any condition the discovery of which would have required the performance of services not authorized under these Agreements.

This report is prepared for the exclusive use of McKissack & McKissack and their prime contract holder, the District of Columbia Department of General Services (DGS) in connection with the proposed development of the subject site. There are no intended beneficiaries other than McKissack & McKissack. Haley & Aldrich shall owe no duty whatsoever to any other person or entity on account of the Agreements or the report. Use of this report by any person or entity other than McKissack & McKissack or the DGS for any purpose whatsoever is expressly forbidden unless such other person or entity obtains written authorization from McKissack & McKissack and from Haley & Aldrich. Use of this report by such other person or entity without the written authorization of McKissack & McKissack and Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

Use of this report by any person or entity, including by McKissack & McKissack, for a purpose other than for with the proposed development of the subject site is expressly prohibited unless such person or entity obtains written authorization from Haley & Aldrich indicating that the report is adequate for such other use. Use of this report by any person or entity for such other purpose without written authorization by Haley & Aldrich shall be at such person's or entity's sole risk and shall be without legal exposure or liability to Haley & Aldrich.

This report reflects subject site conditions observed and described by records available to Haley & Aldrich as of the date of report preparation. The passage of time may result in significant changes in subject site conditions, technology, or economic conditions, which could alter the findings and/or recommendations of the report. Accordingly, McKissack & McKissack and any other party to whom the report is provided recognize and agree that Haley & Aldrich shall bear no liability for deviations from observed conditions or available records after the time of report preparation.

Use of this report by any person or entity in violation of the restrictions expressed in this report shall be deemed and accepted by the user as conclusive evidence that such use and the reliance placed on this report, or any portions thereof, is unreasonable, and that the user accepts full and exclusive responsibility and liability for any losses, damages, or other liability which may result.

## 2. SITE DESCRIPTION

### 2.1 Site Ownership and Location

#### 2.1.1 Name of Site Owners

PEPCO owns the subject site.

#### 2.1.2 Name of Site Operator

PEPCO operates Square 0661, Lot 0804 and Square 0665, Lot 0024. PEPCO leases Square 0661, Lot 0805 to a parking operator.

#### 2.1.3 Project Locus Map

The United States Geologic Survey (USGS) topographic map for the subject site is the Washington West, District of Columbia Quadrangle, dated 1983 (see Figure 1). The USGS topographic map was used as the source for subject site setting information.

### 2.2 Site and Vicinity Description

Figure 2 is a Site Plan of the subject site and shows relevant features of the subject site and immediately adjoining properties, as described below.

The subject site consists of three parcels:

- Square 0661, Lot 0805 is utilized as a parking lot.
- Square 0661, Lot 0804 is vacant.
- Square 0665, Lot 0024 is used as an electrical substation.

The area in the vicinity of the subject site is generally characterized as urban industrial and commercial.

- **North:** the parcel is used for storing sand and is owned and operated by the District of Columbia.
- **South:** the remainder of the substation property owned by PEPCO located to the south of T Street SW, not included in the scope of this report
- **West:** Super Salvage, Inc. which operates a salvage yard for diverse metal structures and a property owned by Akridge comprising a parking lot and a building used for storing end of life vehicles.
- **East:** Ready-Mix Concrete plant

### 2.3 Physical Setting

The subject site geology and hydrology were evaluated based on the results of the limited Phase II sampling (see Section 7 of this report) performed by Haley & Aldrich subsequent to the Phase I

assessment, available public information or references, and upon our experience and understanding of subsurface conditions in the subject site area.

### **2.3.1 Topography**

Topographically, the subject site and its vicinity is relatively flat with a gradual downward slope to the south. The subject site is at an elevation of approximately 21 feet above sea level [based on the Environmental Data Resources, Inc. (EDR) report].

### **2.3.2 Geology**

Five borings were advanced under the subject site as part of the limited Phase II sampling in June 2014. Soil under the site (to a depth of five feet bgs) generally comprises sand and clay with some gravel. Soils below five (5) feet and to a depth of 35 feet bgs also comprised sand and clay with some gravel. According to information obtained from the Environmental Data Resources (EDR), Inc., report, bedrock beneath the subject site consists of a stratified sequence of Cretaceous-aged sedimentary rock.

Soils details in the site vicinity were not available in the EDR report, however, due to the proximity of the Anacostia River, alluvial sediments likely exists above the sedimentary rock. The subject site and vicinity are located in an area comprised of urban land characterized by disturbed surface soils covered with structures and other impervious materials (pavement and concrete).

### **2.3.3 Hydrology**

Based on surface topography, surface water from the subject site appears to flow in a southerly direction.

Also based on topography and the location of nearest water bodies (the Anacostia River, located approximately 0.1 miles east and 0.2 miles south, and the Potomac River located approximately 0.3 miles west of the subject site), regional groundwater flow is anticipated to be tidally influenced. Hydrogeologic investigations were not performed at the subject site during this Phase I assessment; therefore, it is unknown to what extent localized variations in groundwater depth and flow occur on the subject site.

According to the Flood Insurance Rate Map (FIRM) supplied by EDR, the subject site is located within a floodplain. Potable water is supplied to the subject site by the District of Columbia Water and Sewer Authority (WASA). There is no known monitoring or pumping wells located on the property.

### 3. PREVIOUS REPORTS

The following reports previously prepared for the subject site were reviewed for this Phase I assessment. Information contained in these reports is included herein and summarized below. Copies of pertinent sections of these reports are included in Appendix B.

- No Further Action Letter for LUST case #93051, Pepco (Buzzard Generating Station) issued by the Government of the District of Columbia, dated 1 April 2010.
- “Limited Phase II Environmental Investigation, Buzzard Point, 2<sup>nd</sup> Street SW / V Street SW, Washington, D.C.,” prepared by URS Corporation, Inc. (URS), for Potomac Electric Power Company, dated 22 March 2005. *Note: This report included the multi-lot area located off the subject site, south of T Street, North of V Street, east of 2<sup>nd</sup> Street, and west of 1<sup>st</sup> Street. Only findings related to the subject site are discussed herein.*
- “Phase I Environmental Site Assessment, Buzzard Point, Squares 609 & 611, 2<sup>nd</sup> Street and V Street, SW, Washington, DC,” prepared by URS for PEPCO Holdings Inc., dated 4 April 2005. *Note: This report included the multi-lot area located off the subject site, south of T Street, North of V Street, east of 2<sup>nd</sup> Street, and west of 1<sup>st</sup> Street. Only findings related to the subject site are discussed herein.*
- “Phase I Environmental Site Assessment, Buzzard Point, 2<sup>nd</sup> Street and V Street, SW, Washington, DC,” prepared by Advantage Environmental Consultants, LLC (AEC), for The John Akridge Companies, Inc., dated 10 June 2005. *Note: This report included the multi-lot area located south of S Street, North of V Street, east of 2<sup>nd</sup> Street, and west of 1<sup>st</sup> Street. Only findings related to the subject site are discussed herein.*
- “Phase II Environmental Site Assessment, Buzzard Point, 2<sup>nd</sup> Street and V Street, SW, Washington, DC,” prepared by AEC for The John Akridge Companies, Inc., dated 10 June 2005. *Note: This report included the multi-lot area located south of S Street, North of V Street, east of 2<sup>nd</sup> Street, and west of 1<sup>st</sup> Street. Only findings related to the subject site are discussed herein.*
- “Assessment of the Buzzard Point Properties,” prepared by Geomatrix, Inc., for Potomac Electric Power Company, dated March 1990. *Note: This report included the multi-lot PEPCO properties located, south of Potomac Avenue, North of V Street, east of 2<sup>nd</sup> Street, and west of Half Street. Only findings related to the subject site are discussed herein.*
- Comprehensive Site Assessment Potomac Electric Power Company, Buzzard Point Station, 1<sup>st</sup> and V Street, Prepared by TPH Technology, Incorporated (TPH Technology), dated 11 August 1993. *Note: This report included the multi-lot PEPCO properties located, south of Potomac Avenue, North of V Street, east of 2<sup>nd</sup> Street, and west of Half Street. Only findings related to the subject site are discussed herein.*
- Excerpts from Corrective Action Plan Remedial Specifications and Implementation Details, Buzzard Point Generation Station, prepared by TPH Technology, March 1995. *This report included the multi-lot PEPCO properties located, south of Potomac Avenue, North of V Street,*

*east of 2<sup>nd</sup> Street, and west of Half Street. Only findings related to the subject site are discussed herein.*

- LUST Case #93051 – Buzzard Point Station, Letter to DC Department of Health dated 7 June 2002.
- LUST Case #93051 – Buzzard Point Station, Letter to DC Department of Health dated 19 August 2004.

**Subject site:** The AEC Phase I report covered the area bounded by S Street SW to the north, 1<sup>st</sup> Street SW to the east, V Street SW to the south and 2<sup>nd</sup> Street SW to the west and identified four LUST cases in proximity to the property, including LUST case # 93051. In the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the Generating Station (Square 665, Lot 0024) to the two, 0.411-million gallon number two fuel oil ASTs (Square 661, Lot 0804) under S Street. In 1993, significant gasoline and diesel contamination was discovered in soil and groundwater on the northern portion of Square 661, Lot 0024. Monitoring wells installed in both lots identified TPH-GRO, TPH-DRO, and Benzene, Toluene, Ethylbenzene and Xylenes (BTEX) in soil and monitoring wells as well as LPH. The groundwater flow direction was documented to be west and southwest.

A Comprehensive Site Assessment was performed by TPH Technology in 1993 for LUST case #93051 following the discovery of free phase hydrocarbons in an existing groundwater monitoring well, located in the northern portion of the generating station. The assessment included a shallow soil gas survey, the installation of eleven groundwater monitoring wells and sampling and analysis of soil and groundwater. Elevated concentrations of TPH and BTEX were detected in soil and groundwater. Naphthalene was also present at elevated concentrations in groundwater, indicating a plume of free phase and dissolved phase hydrocarbons, extending to the property boundaries along the S Street to the north. The report identified a vacant lot to the north of S street which was reportedly a former fuel terminal operated by Steuart Petroleum where site assessment and remedial activities are currently taking place. Free phase petroleum, comprising gasoline and #2 fuel oil was encountered under this site. Approximately 2,717 gallons of liquid product have been estimated to have been recovered from this property during the late 1980s. The report concluded that the risk to human health and the environment from this property were moderate. The deeper portions of storm and sanitary sewers under the property might also become impacted as a result of hydrocarbons migrating deeper in the subsurface towards these utilities. Additional delineation would be needed to confirm the extent and exact sources of the subsurface hydrocarbons.

The Corrective Action Plan prepared by TPH Technology provides an overview of the results of soil and groundwater quality assessment activities completed within the combustion turbine yard (located on the subject site at Square 0665, Lot 0024), and subsurface assessment activities at the former AST farm and gasoline fueling area (located immediately west of the subject site) and was prepared following the submittal of the Comprehensive Site Assessment described above. Free-phase product was found to cover a relatively larger area than the reported petroleum release at the combustion turbine yard would suggest. The highest concentration of BTEX and TPH-GRO in soil was encountered at a boring location adjacent to the former ASTs at Square 0661, Lot 0804. The report concluded that, based on information collected, there was a lack of data suggesting that the former AST farm or the gasoline fueling area (located immediately west of the subject site) are a major contributing source of the hydrocarbons in groundwater under the combustion yard. The highest BTEX concentrations in groundwater were encountered in a monitoring well located on S Street, between Square 0661, Lot

0804 and Square 0665, Lot 0024. TPH-GRO and TPH-DRO was encountered in groundwater under Square 0661, Lot 0804. Naphthalene was also detected at elevated concentrations in groundwater at the subject site, as well as under the property immediately west of the subject site. Characterization of product encountered at several groundwater monitoring wells was performed and revealed different sources of hydrocarbons causing impacts under the site. The product plume under the Square 0661, Lot 0804 was estimated to cover an area of at least 17,200 square feet and represents 1,600-3,600 gallons of hydrocarbons. *Note, that sections of this report were missing, and the information provided above thus only reflects excerpts from the report reviewed.*

In January 1996, PEPCO installed a soil vapor extraction (SVE) system that operated through November 1999 that removed approximately 6,925 gallons of petroleum. From May 2001 to April 2002, a portable high vacuum pump and treat system was also used to recover petroleum compounds. The site had been monitored monthly since 1993 with semi-annual sampling events. Results were reported to DC Department of Health (now DC Department of the Environment) in quarterly reports. A letter to the DC Department of Health dated 7 June 2002 requested that the existing SVE system be deactivated and replaced by a passive remediation approach. 1,350 gallons of hydrocarbons had been removed from the wells. The Department of Health's response is unknown. A subsequent letter dated 19 August 2004 to the DC Department of Health described recent groundwater sampling events at monitoring wells located down gradient of the groundwater plume. BTEX levels were generally below MCLs for drinking water and TPH levels were below the District of Columbia Water Quality Standards for groundwater.

The AEC 2005 Phase I reviewed the March 2004 groundwater sampling data. TPH GRO, TPH DRO, and BTEX were above applicable regulatory standards except in three down gradient wells. Only passive remediation with absorbent booms and monitoring was ongoing.

A No Further Action Letter was issued by the Government of the District of Columbia in April 2010 pertaining to the LUST case # 93051 as a result of the above activities and those subsequently performed by other consultants (the subsequent activities are summarized in documents that were not available for review).

**Square 0609, Lot 0804; Square 0611, Lots 19 & 10, located immediately south of the subject site:**

At the time of the URS and AEC 2005 Phase Is, these lots were used as a fenced parking lot with an unused 1.9-million gallon bulk #6 fuel oil AST installed in the late 1960s, an associated firefighting foam house, and a small storage shed. These lots were used as a coal storage yard from the late 1920s until the Generating Station began using fuel oil to power the station in 1968. From 1968 until the Generating Station was decommissioned in 1981, the lots were used by PEPCO for bulk fuel storage and leased to W.A. Chester for use as a vehicle and equipment maintenance and storage lot. An underground pipeline installed beneath 1<sup>st</sup> Street was used to connect the 1.9-million gallon AST to the Generating Station. The AST was decommissioned and the underground pipeline was filled in 1981. No information regarding releases from the AST or pipeline is known.

A URS sampling program conducted in 2005 indicated that soil and groundwater was affected by releases of petroleum hydrocarbons. No visual or olfactory evidence of contamination was observed, but laboratory analysis identified various levels of metals and TPH-DRO and TPH-GRO in soil and groundwater samples collected. An AEC sampling program conducted in 2005 also indicated that soil and groundwater were impacted by releases of petroleum hydrocarbons with low levels of TPH-DRO and lead detected.

**Akridge property located immediately west of the subject site:** In 1990, Geomatrix collected soil samples for TPH, BTEX, PCBs, and toxicity metals. The site was identified as a gasoline filling station for PEPCO vehicles at the time of the investigation. Soil samples were collected from 0 to 2 feet bgs. Of the thirteen samples collected, ten showed TPH concentrations ranging from 100 to 360 parts per million (ppm). Geomatrix concluded that TPH concentrations were fairly well distributed throughout the site.

At the time of the AEC 2005 Phase I, the site was used as a fenced parking lot with a prefabricated metal storage building and trailers. The site was used for vehicle fueling and storage by PEPCO from the late 1960s until 1993. Three USTs were located on-site:

- 6,000 gallon gasoline UST removed in 1988;
- 6,000 gallon diesel UST removed in 1988; and
- 20,000 gallon gasoline UST removed in 1993 and assigned LUST case # 93094 due to the discovery of petroleum impact to groundwater at the site during removal of the UST. Confirmatory soil samples were not significantly contaminated; however, groundwater samples were above regulatory limits. One monitoring well (MW-13) was later installed in this area. Petroleum concentrations in soil were below action limits at the time, although BTEX (1.77 mg/L) and TPH (3.0 mg/L) were above action limits for groundwater. The LUST case received regulatory closure in May 1994.

In May 2005, AEC advanced borings (B-1 through B-9, B-27, B-29, and B-30) using Geoprobe rigs, screened soils with a photoionization detector, collected soil samples for total TPH-DRO, TPH-GRO, Volatile Organic Compounds (VOCs), and priority pollutant metals, PCBs, metals, and ignitability, installed groundwater monitoring wells, and collected groundwater samples for TPH -DRO, VOCs, and lead. Soil results indicated:

- TPH-DRO/GRO were below detection limits in soil except for DRO detected on the southwest corner of this property at 11 ppm and DRO detected on the southeast corner near the former USTs at 45 ppm.
- VOCs and PCBs were below detection limits.
- Lead was detected across Lot 0013 at concentrations below 170 ppm.

Groundwater samples indicated:

- TPH DRO and lead were below detection limits.
- VOCs detected on the southeast corner of the site near the former USTs included benzene and solvents.

**Super Salvage, Inc. located immediately west of the subject site:** These lots operated as a metal scrap yard since the 1960s. The URS and AEC 2005 Phase Is identified these lots on the RCRA Small Quantity Generator, LUST, and UST databases. One 2,000 gallon UST was permanently out of use. The LUST case was granted regulatory closure. No additional details were provided.



#### 4. SITE HISTORY

Past usage of the site and/or adjoining properties was assessed through a review of Sanborn maps dated 1928, 1959, 1977, 1984, 1988, 1990, 1991, 1992, 1994, and 1998; a review of aerial photographs dated 1944, 1949, 1951, 1957, 1963, 1968, 1970, 1977, 1983, 1988, 1994, 1998, 2000, 2005, 2007, 2008, 2009, 2011 and 2012; and topographic maps dated 1885, 1894, 1947, 1951, 1956, 1965, 1971, 1972, 1983 and 1994 prepared for the subject site (Appendix C).

By 1944, the subject site was developed with residential properties. Grading of residential properties took place in 1957. Site activities did not change until the late 1960s. At this time, two large fuel oil ASTs were located in the central portion and a transfer yard was located in the southern portion of the subject site. A parking lot was located in the northern portion of the subject site by 2008. By 2009, a small structure is shown in the southeastern portion of the parking lot.

The table below provides a detailed summary of pertinent information from the historical sources reviewed:

Dates	Description of Subject Site	Description of Adjoining Properties	Sources
1944-1963	The subject site comprised residential properties until 1957, when the site is observed to be razed.	<p>North: grading activities are shown on the properties located immediately north and northeast of the subject site. A commercial/industrial structure and a steel tank were present on the northeastern property by the late 1950s. By 1963, a commercial building was developed immediately adjacent to the north of the subject site.</p> <p>South: Grading activities are shown beyond which a power plant is.</p> <p>East: a commercial/industrial property appeared developed with three ASTs. These storage tanks were identified as fuel oil tanks on the 1984 Sanborn map. By 1949, a commercial/industrial building was located south of this property.</p> <p>West: By 1944, a small commercial/industrial structure was located to the west. Residential properties are shown south this structure. An additional commercial facility was located northwest of the subject site. By 1949, additional residential dwellings were located to the west.</p>	1944, 1949, 1951, 1957 and 1963 aerial photos, and 1959 and 1984 Sanborn maps

Dates	Description of Subject Site	Description of Adjoining Properties	Sources
1968-1997	<p>Two ASTs are shown in the central portion of the subject site by 1968. These are later identified as fuel oil tanks on the 1984 Sanborn map. A transfer yard was located to the south of these ASTs. According to the Sanborn map dated 1984, PEPCO owned the subject site during that time.</p>	<p>North: The commercial structure adjacent to the north were razed by 1970. An auto repair shop was located east of the warehouses located northeast of the subject site by 1977. A tank reportedly storing sand was present immediately adjacent to the subject site by 1988. This tank was later identified as storing sand on the 1992 Sanborn map.</p> <p>South: a conveyor yard was located adjacent to the site by 1984.</p> <p>East: by 1990, the tanks on the adjacent property were no longer present. The entire footprint of the property on which the tanks were located was razed.</p> <p>West: Additional grading took place immediately west of the subject site, now reportedly owned by Onec. A scrap metal yard was located immediately west of the subject site. To the south of the scrap metal yard was located a garage owned by PEPCO, as well as a parking lot.</p>	<p>1968, 1970, 1977, 1983, 1988 and 1994 aerial photos and 1984, 1988, 1990, 199, 1992 and 1994 Sanborn maps</p>
1998-2012	<p>A parking lot was located in the northern portion of the subject site by 1998. In 2009, a small structure is shown in the southeastern portion of the parking lot.</p>	<p>No changes were observed on adjacent properties during this time.</p>	<p>1998, 2000, 2005, 2007, 2008, 2009, 2011 and 2012 aerial photos and 1998 Sanborn map</p>

**Notes:**

1. Unless otherwise noted above, per the ASTM standard, sources were reviewed dating back to 1940 or first developed use, whichever is earlier, and at five-year intervals if the use of the property has changed within that time period.

## 5. ENVIRONMENTAL RECORDS REVIEW

### 5.1 Standard Environmental Records Review

Haley & Aldrich used the electronic database service EDR to complete the environmental records review. The database search was used to identify properties that may be listed in the referenced agency records, located within the ASTM-specified approximate minimum search distances as shown in the table below. Section 5.1.1 presents a description of each database searched.

Database Searched	Approximate Minimum Search Distance	Subject Site Listed?	Number of Sites within Search Distance
NPL Sites	1 mile	No	1
Delisted NPL Sites	0.5 mile	No	0
CERCLIS Sites	0.5 mile	No	1
CERCLIS-NFRAP Sites	0.5 mile	No	3
Federal ERNS	Site only	No	0
RCRA non-CORRACTS TSD Facilities	0.5 mile	No	0
RCRA CORRACTS TSD Facilities	1 mile	No	1
RCRA Generators	Site & Adjoining	Yes	4
Federal Institutional Controls/Engineering Controls	Site Only	No	0
State and Tribal Equivalent NPL Sites	1 mile	No	0
State and Tribal Equivalent CERCLIS Sites	0.5 mile	No	0
State and Tribal Registered Storage Tanks	Site & Adjoining	No	9
State and Tribal Landfills and Solid Waste Disposal Sites	0.5 mile	No	0
State and Tribal Leaking Storage Tanks	0.5 mile	Yes	33
State and Tribal Institutional Controls/Engineering Controls	Site Only	No	0
State and Tribal Voluntary Cleanup Sites	0.5 mile	No	1
State and Tribal Brownfield Sites	0.5 mile	Yes	13
DC Historical USTs	0.25 mile	Yes	7

The Environmental Data Resources (EDR) report also contains search results of other State environmental databases that are relevant to the subject site.

Haley & Aldrich also searched the Orphan Site List provided in the EDR report for the subject site and sites adjoining the subject site. Orphan sites are those that, due to incorrect or incomplete addresses,

could not be mapped. Neither the subject site nor the adjoining properties were identified on the Orphan Site List. The complete environmental database report is provided in Appendix D.

### 5.1.1 Descriptions of Databases Searched

Numerous regulatory databases were searched during this Phase I assessment. Each database reviewed is described in the EDR report presented in Appendix D. Those databases required by the ASTM E 1527-05 Standard are identified below.

1. **NPL Sites:** The National Priorities List (NPL) is a list of contaminated sites that are considered the highest priority for cleanup by the U.S. Environmental Protection Agency (USEPA).
2. **Delisted NPL Sites:** The Delisted National Priorities List (NPL) is a list of formal NPL sites formerly considered the highest priority for cleanup by the USEPA that met the criteria of the National Oil and Hazardous Substances Pollution Contingency Plan (NCP) for deletion from the NPL because a no further response was appropriate.
3. **CERCLIS Sites:** The Comprehensive Environmental Response, Compensation, and Liability Act Information System (CERCLIS) list identifies sites which are suspected to have contamination and require additional investigation to assess whether they should be considered for inclusion on the NPL.
4. **CERCLIS-NFRAP Sites:** CERCLIS-NFRAP status indicates that a site was once on the CERCLIS List but has No Further Response Actions Planned (NFRAP). Sites on the CERCLIS-NFRAP List were removed from the CERCLIS List in February 1995 because, after an initial investigation was performed, no contamination was found, contamination was removed quickly, or the contamination was not significant enough to warrant NPL status.
5. **Federal ERNS:** The Federal Emergency Response Notification System (ERNS) list tracks information on reported releases of oil and hazardous materials.
6. **RCRA non-CORRACTS TSD facilities:** The Resource Conservation and Recovery Act (RCRA) non-CORRACTS TSD Facilities List tracks facilities which treat, store, or dispose of hazardous waste and are not associated with corrective action activity.
7. **RCRA CORRACTS TSD facilities:** The RCRA CORRACTS TSD Facilities list catalogues facilities that treat, store, or dispose of hazardous waste and have been associated with corrective action activity.
8. **RCRA Generators:** The RCRA Generator list is maintained by the USEPA to track facilities that generate hazardous waste.
9. **Federal Institutional Controls/Engineering Controls:** The Federal Institutional Control list and Engineering Control list are maintained by the USEPA. Some Institutional Control and Engineering Control information may not be made publicly available and therefore will not be included on this registry.

10. **State and Tribal Equivalent NPL/CERCLIS Sites:** The (ASTM E 1527-05 Standard) requires searching “State and Tribal Equivalent NPL Sites.” A state equivalent to the Federal NPL list is not maintained in District of Columbia. The subject site is not within tribal jurisdiction.
11. **State and Tribal Equivalent CERCLIS Sites:** The (ASTM E 1527-05 Standard) requires searching “State and Tribal Equivalent CERCLIS Sites.” A state equivalent to the Federal CERCLIS list is not maintained in District of Columbia. The subject site is not within tribal jurisdiction.
12. **State and Tribal Registered Storage Tanks:** The District of Columbia Department of the Environment maintains a list of aboveground and underground storage tanks. The subject site is not within tribal jurisdiction.
13. **State and Tribal Landfills and Solid Waste Disposal Sites:** The District of Columbia Solid Waste Disposal Division is responsible for waste disposal at facilities located in Virginia. The subject site is not within tribal jurisdiction.
14. **State and Tribal Leaking Storage Tanks:** The District of Columbia Department of the Environment maintains an inventory of reported leaking underground storage tank incidents. The subject site is not within tribal jurisdiction.
15. **State and Tribal Voluntary Cleanup Sites:** The District of Columbia Department of Health maintains a list of Voluntary Cleanup sites. The subject site is not within tribal jurisdiction.
16. **State and Tribal Brownfield Sites:** The District of Columbia Department of the Environment maintains a list of Brownfield sites which includes properties where redevelopment or re-use may be compromised by the presence or presumed presence of hazardous materials or petroleum. The subject site is not within tribal jurisdiction.
17. **Other Databases Searched (Historical Cleaners and Auto Stations):** EDR Proprietary Records include Historical Cleaners, a database that consists of potential dry cleaner sites; and Historical Auto Stations, available listings of potential gas station/filling station/service station sites.

### 5.1.2 Detailed Description of Relevant Subject Site Listings

The EDR report identified the following database listings in searched databases (including more databases than listed above) at the subject site.

PEPCO, located at 1<sup>st</sup> and T Street, SW (Square 0665, Lot 0024 Map ID # 7) is listed on the UST database. Two entries are included in this database for tanks of capacity 6,000 gallons and containing diesel. These entries are listed as Permanently Out of Use.

An entry located at 1700 1<sup>st</sup> Street, SW (Square 0661, Lots 0805, Map ID # C10) is listed on the Brownfield database. No additional details are provided.

### 5.1.3 Detailed Descriptions of Relevant Nearby Site Listings

The EDR report identified database listings in searched databases (including more databases than listed above) within the prescribed search radii. The majority of the database listings were USTs and LUST sites. Based on the urban area of the site, characterized by subsurface building levels, subway tunnels, and utilities that create barriers to groundwater flow, and based on the assumption that the groundwater under the subject site is tidally influenced, only those sites adjacent to the subject site would be anticipated to have the potential to affect the subject site. These sites are listed below.

100 S Street, SW (Map ID #1), adjacent to the west and cross-gradient of the subject site, is listed on the Brownfields database.

Super Salvage, Inc. located at 1711 1<sup>st</sup> Street, SW (Map ID #C9, C10 and C11), immediately to the west and cross-gradient of the subject site, is listed on the LUST (case # 96030), UST and RCRA-CESQC databases. A tank containing gasoline was reported to be leaking in October 1995 and reportedly impacted soil. The status of this release is listed as Closed. A 2,000-gallon gasoline located at the site is listed as Permanently Out of Use. Additionally, this entity is listed as a Conditionally Exempt Small Quantity Generator for storing ignitable hazardous wastes, as well as waste cadmium, lead, benzene, methyl ethyl ketone, tetrachloroethylene, and trichloroethylene. No violations have been reported associated with this listing. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

An entry located at 1824 Half Street, SW (Map ID # B8), adjacent to the east and cross-gradient of the subject site, is located on the Brownfields database. No additional details are provided.

Home Moving & Storage located at 1812 Half St., SW (Map ID # B5), located adjacent to the east and cross-gradient of the subject site, is listed on the LUST database (case # 95015). The site owned and operated a gasoline UST. A release from the UST was reported in December 1994 and reportedly impacted soil and groundwater. The status of the release is listed as open. Based on the status of the LUST, there is a potential for this release to impact the subject site. Borger Management, Inc. (Map ID # B6) is also located at 1812 Half St., SW and is listed on the UST database. This 4,000-gallon UST contained gasoline and is listed as Permanently Out of Use.

PEPCO Buzzard - Tank #1 located at 180 S Street, SW (Map ID # A2), is located approximately 230 feet west and cross-gradient of the subject site, is listed on the LUST (case # 93094) and Brownfields databases. The site owned and operated a gasoline or diesel UST. A release from the UST was reported in August 1993 and reportedly impacted soil. The status of the release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action. Buzzard Point Facility, also located at 180 S Street, SW (Map ID # I36) is listed on the UST database. Three tanks storing gasoline are listed as Permanently Out of Use.

Attis located at 1714 2<sup>nd</sup> Street, SW (Map ID # A3), located approximately 230 feet west and cross-gradient of the subject site, is listed on the UST database. The 3,500-gallon tank contained gasoline. The entry is listed as Permanently Out of Use. AT&T is also located at 1714 2<sup>nd</sup> Street, SW (Map ID # A4) and is listed on the LUST (case # 92076) and Brownfield databases. The site owned and operated a 3,500 gallon gasoline UST. A release from the UST was reported in July 1992 and impacted soil and groundwater. The status of the release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

Opportunity Concrete Garage, 1601 S. Capitol St., SW (Map ID # H29 and H30): The 1601 S. Capitol St., SW property, located 300 feet northeast and cross-gradient of the subject site is listed on the UST, RCRA NonGen/NLR, FINDS and LUST (case # 2013006) databases. Seven USTs are listed, generally containing used oil, gasoline or heating oil. This Non-Generator stored ignitable hazardous waste, benzene, and tetrachloroethylene. The site received a violation in April 1994 relating to recordkeeping. Compliance was achieved during the same month. A LUST entry (case # 2013006) for the release listed as heating oil, gasoline, diesel from a UST in April 2013 reported impacts to soil and groundwater. The status of the release is listed as open. An additional LUST entry (case #94012) associated with the release of gasoline from a UST in November 1993 reportedly impacted soil only. The status of this release is listed as closed. Based on the status of the open LUST entry and the tidal influence of the area, the release from the UST may be adversely affecting the subject property.

Solon Automated Services, 1625 S. Capitol St., SW (Map ID # H31): The 1625 S. Capitol St., SW property, located 300 feet northeast and cross-gradient from the subject site, is listed on the UST database. A 1,000-gallon tank containing a non-specified hazardous substance is listed as Permanently Out of Use. 625 South Capitol Street LLC (Map ID # H32) is also listed at this address and is listed on the LUST database. A LUST entry (case # 2013005) associated with the release of heating oil, gasoline or diesel from a UST in March 2013 reported impacts to soil and groundwater. The status of the release is listed as open. Based on the status of the LUST entry and the tidal influence of the area, the release from the UST may be adversely affecting the subject property. Pak-American Corporation (Map ID # H32) is also located at this address and is listed on the RCRA-CESQG and NJ Manifest databases. The property is listed as storing ignitable hazardous wastes, cadmium, lead, mercury, benzene, 1,4-dichloroethylene, tetrachloroethylene, and trichloroethylene. No violations have been reported.

Stuart Petroleum, 1721 S. Capitol Street, SW (Map ID #G25 and G26): The 1721 S. Capital Street property, located 400 feet east northeast and cross-gradient of the subject site is listed on the UST, LUST and RCRA NonGen/NLR databases. The site is listed as a gas station and owned and operated a heating oil UST, listed as Permanently Out of Use. A LUST entry (case # 87012) for a release listed as gasoline/heating oil from the UST was reported in September 1987. The LUST reportedly impacted soil and groundwater. The status of the release is listed as open. The RCRA listing pertains to the storage of ignitable hazardous waste at the property. Two violations are listed related to the site's RCRA permit. Both violations were closed by the mid-1990s. Based on the status of the LUST entry and the tidal influence of the area, this release may be adversely affecting the subject site.

Pepco, Buzzard Point, 33 V Street, SW (Map ID #I37): This property is listed on the LUST database (case #93051) for a release listed as gasoline and diesel from a UST in January 1993

with reported impacts to soil and groundwater. The status of the release is listed as No Further Action.

## **5.2 Additional Environmental Records Review**

To supplement the (ASTM E 1527-05 Standard) environmental record sources, we contacted the following state and local government agencies, and/or reviewed the following additional sources:

### **5.2.1 D.C. Department of the Environment**

Additional environmental records were requested for this assessment through a Freedom of Information Act (FOIA) request to the D.C. Department of the Environment. To date, no response has been received from the FOIA request. Due to the information obtained through interviews with key subject site personnel, and other records reviews, it does not appear that responses to the FOIA requests should affect our conclusions regarding the site. However, if a response is received that affects our conclusions regarding the subject site, we will provide an addendum to this report.

### **5.2.2 D.C. Fire and EMS Department**

Additional environmental records were requested for this assessment through a FOIA request to the DC Fire and EMS Department. This department responded to our request on 27 December 2013. According to the files held by this department, operations taking place at the subject site and adjoining properties are unlikely to be impacting the subject site. The response from the DC Fire and EMS Department is included in Appendix D.

## **5.3 User Responsibilities**

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- Whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;
- Whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and
- Whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We requested such information for inclusion in this report. Though neither the AAI Rule nor the ASTM E 1527-05 Standard requires that this information be provided to the environmental professional(s),



failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

## **6. SITE RECONNAISSANCE AND KEY PERSONNEL INTERVIEW(S)**

A site visit to observe site conditions was conducted by Karin Holland and Christian-Noel Tschibelu of Haley & Aldrich on 28 August 2013. Access to the subject site was provided by Tat-Lin Angus of PEPCO. Haley & Aldrich observed the exterior portions of the subject site, including the property boundaries, and observed adjoining property conditions from the subject site boundaries and/or public thoroughfares. No weather-related conditions or other conditions that would limit our ability to observe the subject site or adjoining properties occurred during our subject site visit. Access was not provided for Square 0665, Lot 0024. Square 0665, Lot 0024 is surrounded by tall fence of at least eight feet, blocking all views to this lot. Due to the nature of activities taking place at Square 0665, Lot 0024, a special permit is required for site access. It was therefore not possible to assess current conditions at this property. Site photographs are provided in Appendix E.

Tat-Lin Angus of PEPCO was interviewed during the subject site visit. Gustav Hamilton Jr. of PEPCO was subsequently interviewed in June 2014. The findings of the subject site visit and interviews are discussed below.

ASTM E 1527-05 Standard Section 10.8 requires that, prior to the subject site visit, the current subject site owner or key site manager and user, if different from the current owner or key site manager, be asked if there are any helpful documents that can be made available for review. These consist of environmental site assessment reports, audits, permits, tank registrations, Material Safety Data Sheets, Community Right-to-Know plans, safety plans, hydrogeologic or geotechnical reports, or hazardous waste generator reports. We made such a request but were not provided with any documents.

### **6.1 Subject Site Observations**

#### **6.1.1 Current Use of the Property and General Description of Structures**

Square 0661, Lot 0805: The lot is currently owned by PEPCO and is employed as a parking lot. The site is paved with asphalt. A small trailer is located in the southeastern portion of the property. A small concrete pad was observed in the southwestern portion of the lot.

Square 0661, Lot 0804: The lot is owned by PEPCO and is vacant. The lot is generally vegetated with the exceptions of two large circular sanded areas in the location of the former ASTs and at least four concrete pads in the southern portion of the lot.

Square 0665, Lot 0024: This lot is used as an electrical substation. The lot was not accessible during the site visit.

#### **6.1.2 Potable Water Supply and Sewage Disposal System or Septic Systems**

According to the PEPCO site representatives, none of the lots at the subject site are connected to a potable water supply or sewage disposal system/septic systems.

### **6.1.3 Use and Storage of Petroleum Products and Hazardous Materials**

Bulk storage tanks were not observed or reported associated with the subject site during the site visit.

### **6.1.4 Disposal of Petroleum Products and Hazardous Materials**

The subject site does not generate petroleum products and hazardous materials.

### **6.1.5 Odors**

No odors were detected at the subject site during the site visit. Hydrocarbon odors were however detected during the limited Phase II sampling, as described in section 7.

### **6.1.6 PCBs Associated with Electrical or Hydraulic Equipment**

Square 0665, Lot 0024 is used as an electrical substation. According to historical aerial photos, the substation was constructed during the 1960s. There is therefore a potential for PCB-containing materials to be present at this lot.

### **6.1.7 Unidentified Substance Containers**

Two 55-gallon drums containing unidentified substances were observed in Square 0661 Lot 0805. The drums appeared to be in good condition with no evidence of releases.

### **6.1.8 Heating and Cooling System**

The subject site is not connected to a heating and cooling system.

### **6.1.9 Stains or Corrosion on Floors, Walls, or Ceilings**

Buildings were not observed on the accessible portions of the subject site. According to the PEPCO site representatives, buildings are not present on the portion of the subject site occupied by a substation.

### **6.1.10 Floor Drains and Sumps**

Stormwater drains and sumps were observed at the following locations:

Square 0661, Lot 0805: A stormwater drain was observed in the south western portion of this lot.

Square 0661, Lot 0804: At least four stormwater drains were observed in the central, southern and western portion of this lot.

### **6.1.11 Hydraulic Elevators**

No hydraulic elevators were observed or reported at the subject site.

#### **6.1.12 Vehicle Maintenance Lifts**

No hydraulic vehicle maintenance lifts were observed or reported at the subject site.

#### **6.1.13 Emergency Generators and Sprinkler System Pumps**

No emergency generators and sprinkler system pumps were observed or reported at the subject site.

#### **6.1.14 Catch Basins**

No catch basins were observed or reported at the subject site.

#### **6.1.15 Dry Wells**

Dry wells were not observed or reported at the subject site.

#### **6.1.16 Pits, Ponds, Lagoons, and Pools of Liquid**

Pits, Ponds, Lagoons, and Pools of Liquid were not observed or reported at the subject site.

#### **6.1.17 Stained Soil or Pavement**

Minor stains appearing to be caused by hydrocarbons were observed in the southern portion of Square 0661, Lot 0804, near to the vehicular entrance.

#### **6.1.18 Stressed Vegetation**

The majority of Square 0661, Lot 0804 is covered in vegetation. Grasses and shrubs were also observed on the other accessible lots comprising the subject site. Evidence of stressed vegetation was not observed.

#### **6.1.19 Solid Waste and Evidence of Waste Filling**

No evidence of solid waste or waste filling was observed at the subject site.

#### **6.1.20 Wastewater and Stormwater Discharge**

None of the accessible lots generate wastewater.

#### **6.1.21 Monitoring, Water Supply, or Irrigation Wells**

Monitoring, water supply, and irrigation wells were not observed or reported at the subject site.

#### **6.1.22 Sanitary Sewer and Septic Systems**

Septic systems were not observed or reported at the subject site.

## **6.2 Adjoining Property Observations**

Properties adjoining the subject site were generally observed to be light industrial or commercial in nature.

## **7. SUBSURFACE EXPLORATION**

In order to evaluate subsurface conditions of the subject site and assess whether current and former operation at and adjacent to the subject site are impacting the subject site, Haley & Aldrich conducted a limited Phase II subsurface assessment at the subject site. The approximate locations of explorations are shown on Figure 3.

### **7.1 Geoprobe Sampling and Monitoring Well Installations 26 June through 1 July 2014**

On 26 June through 1 July 2014, Haley & Aldrich oversaw the advancement of four temporary groundwater monitoring wells within the Pepco property and one just outside the Pepco property (see Figure 3) at the subject site by Vironex Drilling, Inc.:

- GTW-661-24-1: advanced to a depth of 23 feet, on the western boundary of the substation at Square 0665, Lot 0024
- GTW-661-804-1: advanced to a depth of 30 feet at Square 0661, Lot 0804, in proximity to LUST cases adjacent to subject site
- GTW-661-804-2: advanced to a depth of 25 feet at Square 0661, Lot 0804, in proximity to the location of the former ASTs
- GTW-661-804-3: advanced to a depth of 35 feet at Square 0661, Lot 0804, in proximity to the location of the former ASTs
- GTW-661-805-1: advanced to a depth of 24 feet at Square 0661, Lot 0805, in proximity to LUST cases adjacent to subject site

In addition, three Geoprobe borings (GTW-661-805-2, GTW-661-805-3 and GTW-661-805-4) were advanced to a depth of five feet at Square 0661, Lot 0805.

Geoprobe reports and observation well installation reports are included in Appendix F.

#### **7.1.1 Soil Sampling 26 and 27 June 2014**

Soil samples collected during the advancement of the temporary groundwater monitoring wells (GTW-661-24-1, GTW-661-804-1, GTW-661-804-2, GTW-661-804-3 and GTW-661-805-1) and the Geoprobe (GTW-661-805-2, GTW-661-805-3 and GTW-661-805-4) were screened for VOCs by exposing a photoionization detector (PID) to vapors accumulated on the Geoprobe sample sleeves. The soil sample corresponding to the highest PID reading was submitted for laboratory analysis. Samples were collected for TPH-DRO, TPH-GRO, BTEX, naphthalene and PCBs (only the sample collected at GTW-661-24-1 was analyzed for PCBs). The soil samples were placed on ice in the field prior to being shipped via overnight courier to Pace Analytical Services, Inc. (Pace) in Huntersville, North Carolina.

#### **7.1.2 Groundwater Sampling 1 and 2 July 2014**

Monitoring wells GTW-661-804-1, GTW-661-804-2, GTW-661-804-3 and GTW-661-24-1 were sampled using low-flow sampling techniques on 1 and 2 July 2014. The following groundwater quality parameters were monitored and recorded prior to sampling: pH, temperature, conductivity, dissolved oxygen, oxidation-reduction potential, and turbidity. Well GTW-661-805-1 was dry and therefore not sampled. No evidence of free product or sheens

were observed in groundwater from the sampled monitoring wells. Groundwater sampling records are included in Appendix G. Groundwater samples were collected and placed in laboratory prepared containers and stored on ice in the field prior to being submitted for TPH and VOCs analyses at the Pace laboratory in Charlotte, North Carolina.

## **7.2 Subsurface Findings**

Subsurface investigations described in this report did not define the lateral extent of petroleum impacts to soil or groundwater at the subject site. The objective was to explore SRECs and KRECs to evaluate current conditions to assess the general magnitude of potential impacts.

### **7.2.1 Soil Results**

Soil analytical results are summarized in Table I, along with regulatory screening levels for comparison. Laboratory analytical reports are included in Appendix H.

Analytical results for two soil samples, GTW-661-804-2 at a depth of 10-15 feet bgs and GTW-661-804-3 at a depth of 20-25 ft bgs (see Figure 3), collected in proximity to the former ASTs beneath Square 0661, Lot 0804 revealed TPH-DRO concentrations of 483 and 1,260 milligrams per kilogram (mg/kg) respectively. In addition, TPH-GRO were detected at a concentration of 511 mg/kg at a depth of 20-25 feet bgs at GTW-661-804-3. These concentrations of TPH exceed the DCMR Tier 0 Soil Standard for TPH of 100 mg/kg. These soil results confirm the presence of petroleum contamination in the area of the former ASTs. Petroleum-like odors were detected at these sample locations during sample collection.

TPH-DRO were also detected at a concentration of 38.3 mg/kg in a composite soil sample, GTW-661-COMP-805-1, collected at 0-2 feet in the southeastern corner of Square 0661, Lot 805. This concentration exceeds the EPA RSL for Residential Soil of 0.61 mg/kg for TPH-DRO but does not exceed the DC Tier 0 Soil Standard for TPH-DRO of 100 mg/kg.

BTEX and naphthalene were not detected in any soil samples collected at the subject site.

### **7.2.2 Groundwater Results**

Groundwater analytical results are summarized in Table II, along with regulatory screening levels for comparison. Laboratory analytical reports are included as Appendix H.

Benzene was detected in groundwater at GTW-661-804-1, located in the southeastern corner of Square 0661, Lot 804, at depths of 20-25 feet bgs at a concentration of 0.0344 mg/L and at GTW-661-804-3, located in proximity to the former ASTs, at depths of 20-25 feet bgs at a concentration of 0.0082 mg/L. These benzene concentrations exceeded the DCMR Tier 1 Surface and Groundwater Standard, the EPA Maximum Contaminant Level (MCL) of 0.005 milligrams per liter (mg/L) for drinking water and EPA tap water RSL of 0.00045 mg/L. Ethylbenzene was also detected at GTW-661-804-3 at a concentration of 0.0122 mg/L, above the respective EPA RSL for tap water of 0.0015 mg/L. Benzene and Ethylbenzene were not detected in other groundwater samples collected at the subject site. Toluene and xylenes were not detected in concentrations above regulatory limits in the groundwater samples collected at the subject site.

Naphthalene was observed in wells GTW-661-804-1 and GTW-661-804-3 at 0.0014 mg/L and 0.0674 mg/L, respectively, which exceed the EPA RSL of 0.00017 mg/L.

TPH-GRO and TPH-DRO were encountered at low levels in groundwater at GTW-661-804-3 at a depth of 20-25 feet bgs. The TPH-GRO and TPH-DRO concentrations were 3 mg/L, below the respective DC Groundwater Standards of 7.30 mg/L for TPH-GRO and 3.57 mg/L for TPH-DRO. However, the TPH-GRO concentrations encountered in this well exceeded the EPA RSL for tap water of 0.033 mg/L for TPH low aromatics (benzene). The TPH-DRO concentration in GTW-661-804-3 also exceeded the EPA RSL for tap water of 0.005 mg/L for TPH medium aromatics (naphthalene). TPH was not detected in other groundwater samples collected at the subject site.



## 8. FINDINGS AND CONCLUSIONS

Haley & Aldrich, Inc. (Haley & Aldrich) performed a Phase I environmental site assessment (Phase I assessment) of the Potomac Electric Power Company (PEPCO) parcels at Buzzard Point, Square 0661, Lot 0805, Square 0661, Lot 0804 and Square 0665, Lot 0024 (herein referred to as the “subject site”) in Washington, DC. The scope of work is described and conditioned by our proposal dated 28 June 2013. As indicated in our proposal, this Phase I assessment was performed in conformance with the scope and limitations of the American Society for Testing and Materials (ASTM) E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 Code of Federal Regulations (CFR) Part 312 [the All Appropriate Inquiries (AAI) Rule]. Deviations from this Standard, and/or data gaps and their significance are described in Section 1.5 of this report. Limited Phase II subsurface sampling was also conducted to evaluate issues identified during the Phase I portion of the assessment. Our conclusions are intended to help the user evaluate the “business environmental risk” associated with the subject site, as defined in the ASTM E 1527-05 Standard and discussed in Section 1.1 of this report.

The subject site comprises three lots with the following current uses:

- Square 0661, Lot 0805 is used as a parking lot.
- Square 0661, Lot 0804 is vacant.
- Square 0665, Lot 0024 is used as an electrical substation.

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site, as defined in the ASTM E 1527-05 Standard and in Section 1.1 of this report. The objective of the limited Phase II subsurface sampling is to provide a preliminary evaluation of RECs identified during the Phase I portion of the assessment, including order of magnitude cost and schedule impacts on the proposed development.

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our opinion is rendered with respect to a REC’s potential (high, medium, or low) to require remedial response based on prevailing agency requirements and our understanding that the subject site is one of seven parcels being evaluated for potential redevelopment as a professional soccer stadium. Our opinion regarding a REC's potential impact on the subject site (high, medium, low, or unknown) is based on the scope of our work, the information obtained during the course of our work, the conditions prevailing at the time our work was performed, the applicable regulatory requirements in effect at the time our work was performed, and/or our experience evaluating similar sites, and our understanding of the client's intended use for the subject site.

Access was not provided for Square 0665, Lot 0024. Square 0665, Lot 0024 is surrounded by a tall fence of at least 8 feet, blocking all views to this lot. A special permit is required for site access to Square 0665, Lot 0024 due to its current use as an electrical substation. It was therefore not possible to assess current conditions at this property. This non-accessible area comprises a data gap for this report.

## RECOGNIZED ENVIRONMENTAL CONDITIONS

The ASTM E 1527-05 Standard defines a REC as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, ground water, or surface water of the property.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

This Phase I assessment has revealed nineteen RECs. Details regarding the nature of these RECs and our opinion regarding potential impacts are provided below.

## KNOWN RECOGNIZED ENVIRONMENTAL CONDITIONS

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs). Three KRECs has been identified on the subject site based on the limited Phase II subsurface sampling results.

**KREC #1:** Soil and groundwater petroleum impacts from historical sources or off-site source

**Potential Impact:** High

**Explanation:** Two soil samples (GTW-661-804-2 collected at a depth of 10-15 feet below ground surface [bgs] and GTW-661-804-3 at a depth of 20-25 feet bgs), (refer to Table I and Figure 3) collected by Haley & Aldrich from Square 0661, Lot 0804 in proximity to former ASTs revealed total petroleum hydrocarbons–diesel range organics (TPH-DRO) concentrations of 483 and 1,260 milligrams per kilogram (mg/kg) respectively. In addition, at GTW-661-804-3, total petroleum hydrocarbons–gasoline range organics (TPH-GRO) were detected at a concentration of 511 mg/kg. These concentrations of TPH exceed the D.C. Municipal Regulations (DCMR) Tier 0 Soil Standard for TPH of 100 mg/kg and thus confirm the presence of petroleum contamination in soil. The vertical extent of impacts in soil is currently not known. TPH-GRO and TPH-DRO were detected below DC Tier 1 Surface and Groundwater Standards in groundwater GTW-661-804-3, as well as at GTW-661-804-1 advanced in the southeastern portion of this parcel, and were not detected at GTW-661-804-2 (refer to Table II). The TPH-GRO concentration in GTW-661-804-1 and GTW-661-804-3 exceeded the EPA Regional Screening Level (RSL) of 0.033 mg/L for TPH low aromatics (benzene). The TPH-DRO concentration in GTW-661-804-3 exceeded the RSL of 0.005 mg/L for TPH medium aromatics (naphthalene). Furthermore, the horizontal extent of impacts is also unknown; however TPH was not encountered in soil, and TPH-GRO was detected in GTW-661-804-1 at a concentration of 0.66 mg/L, an order of magnitude below that observed at GTW-661-804-3 (3 mg/L).

Furthermore, benzene exceeded the DCMR Tier 1 Surface and Groundwater Standard, the EPA Maximum Contaminant Level (MCL) of 0.005 milligrams per liter (mg/L) for drinking water and EPA tap water RSL of 0.00045 mg/L in

wells GTW-661-804-1 (0.0344 milligrams mg/L) and GTW-661-804-3 (0.0082 mg/L). Ethylbenzene was detected at a concentration of 0.0122 mg/L in GTW-661-804-3 at depths of 20-25 feet bgs, above the associated EPA RSL for tap water of 0.0015 mg/L. Naphthalene was observed in wells GTW-661-804-1 and GTW-661-804-3 at 0.0014 mg/L and 0.0674 mg/L, respectively, which exceed the EPA RSL of 0.00017 mg/L.

**KREC #2:** Petroleum impacts in groundwater in southeastern corner of Square 0661, Lot 0804

**Potential Impact:** Moderate

**Explanation:** As described above, a groundwater sample (GTW-661-804-1, see Table II and Figure 3) collected at a depth of 20-25 feet bgs in the southeastern portion of Square 0661, Lot 0804 parcel revealed benzene at a concentration of 0.0344 mg/L. This concentration exceeds the respective DC Groundwater Standards and EPA MCL of 0.005 mg/L and the EPA RSL for tap water of 0.00045 mg/L. Naphthalene was also detected at concentrations of 0.0014 mg/L, above the associated EPA RSL for tap water of 0.00017 mg/L. Benzene and naphthalene were not detected in soil at this or other locations at Square 0661, Lot 0804, suggesting that groundwater may be impacted by an off-site source.

**KREC #3:** Petroleum impacts in soil at Square 0661, Lot 805

**Potential Impact:** Low

**Explanation:** TPH-DRO were detected at a concentration of 38.3 mg/kg in a composite soil sample, GTW-661-COMP-805-1, collected at 0-2 feet in the southeastern corner of Square 0661, Lot 805. This concentration exceeds the EPA RSL for Residential Soil of 0.61 mg/kg for TPH-DRO but does not exceed the DC Tier 0 Soil Standard for TPH-DRO of 100 mg/kg. Soil and groundwater at depths below 2 feet were not sampled at this location and therefore the vertical extent of impact in soil is currently not known. Due to the proposed future land use of this site, the EPA screening level for residential exposure is most likely not applicable to the subject site.

## **SUSPECT RECOGNIZED ENVIRONMENTAL CONDITIONS**

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The Phase I assessment identified twelve SRECs.

### **Suspect Recognized Environmental Conditions**

**SREC #1:** Substation operations at PEPCO Square 665, Lot 0024

**Potential Impact:** High

**Explanation:** Site access was not provided for Square 665, Lot 0024. Due to the age of the substation and the nature of activities taking place, there is a potential for leaks, spills or Polychlorinated Biphenyl (PCB) containing materials to be present at this lot. A monitoring well, GTW-661-24-1, was advanced along the western boundary of this parcel. PCBs were not detected in soil suggesting that PCBs have not migrated to the west of this parcel.

The following SRECs were identified on the adjacent properties south of the subject site.

**SREC #2:** Potentially leaking AST and underground pipeline at PEPCO Square 609, Lot 0804  
**Potential Impact:** Low  
**Explanation:** A #6 fuel oil AST was installed in the late 1960s at the property at Square 0609, Lot 0804; and Square 0611, Lots 19 and 10. An underground pipeline was used to connect the AST to the nearby Generating Station. The AST was decommissioned and the underground pipeline filled in 1981. No information regarding releases from the AST or pipeline is known. The site was also formerly employed for bulk fuel storage and vehicle and equipment maintenance and storage. Two independent sampling programs conducted in 2005 indicated that soil and groundwater was affected by petroleum hydrocarbon releases. It is unknown whether more recent studies have been performed at this site and whether soil and groundwater are still impacted.

The following SRECs were observed on the adjacent properties west of the subject site during a site visit by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August 2013.

**SREC #3:** Potentially unlined/unpaved sump at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** On-site stormwater and spills are captured and pumped to a sump in the southwestern portion of the lot before being disposed off-site by a licensed contractor. During a site visit to this property in August 2013, the sump contained large quantities of oily liquid and it was not possible to ascertain whether the sump was lined and/or confirm the integrity of the lining. The site representative could not confirm the status of the sump lining. A potential therefore exists for hydrocarbons to migrate from the sump to the subsurface, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

**SREC #4:** Heavy staining of concrete at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** During the site visit to this property in August 2013, heavy concrete staining was observed at many locations. The concrete was in moderate to good condition where visible. In other areas, for example the area surrounding the sump's pump, the staining was too thick to confirm the integrity of the concrete. A potential therefore exists for hydrocarbons to migrate to soil and groundwater under this property, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

**SREC #5:** Oil layer in secondary containment under aboveground storage tanks (ASTs) at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** A thick layer of oil was observed at the bottom of the AST tanks in the eastern portion of this property during the site visit in August 2013. It is understood that the flooring of the containment is paved with concrete. However, the integrity of the concrete could not be confirmed. A potential therefore exists

for hydrocarbons to migrate to soil and groundwater under this property, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

**SREC #6:** Concrete staining in area of an AST at Super Salvage Inc., 1711 1<sup>st</sup> Street SW  
**Potential Impact:** Low  
**Explanation:** Concrete staining on paving next to an AST was observed in the northern portion of this property. The concrete paving was in relatively good condition. However a large quantity of waste had been dumped immediately adjacent to the AST preventing Haley & Aldrich representatives from confirming the condition of the concrete beneath this waste. A potential therefore exists for hydrocarbons to migrate to soil and groundwater under this property, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

Two SRECs were identified on the Akridge parcel, Square 0607, Lot 0013, located adjacent to the subject site to the west during a limited Phase II subsurface investigation performed by Haley & Aldrich in December 2013.

**SREC #7:** Minor groundwater contamination associated with chlorinated solvents  
**Potential Impact:** Low  
**Explanation:** Advantage Environmental Consultants, LLC (AEC) detected chlorinated solvents (tetrachloroethylene, trichloroethylene [TCE], 1,2 dichloroethane, and vinyl chloride) in a groundwater sample collected near the southeast corner of the property during a Phase II assessment conducted in 2005. The source of the chlorinated solvents is not known; however, Geomatrix, Inc. indicated an “asphalt pit” in this area of the subject site on Figure 3 of a Phase II assessment report completed in 1990. Chlorinated solvents detected in groundwater may also be due to migration from an unknown source upgradient from the property. A groundwater sample collected by Haley & Aldrich in this area of the site confirmed the presence of minor contamination associated with chlorinated solvents, including relatively low concentrations of trichloroethylene and vinyl chloride (43.9 and 38 micrograms per liter [ $\mu\text{g/L}$ ], respectively). The vinyl chloride concentration exceeds the EPA RSL for residential exposure via ingestion, which may not be applicable to the subject site. The extent of impact is not known, although volatile organic compounds were reportedly not detected in groundwater samples collected by AEC at several other locations in 2005, suggesting the extent may be limited to the southeast corner of the subject site. However, due to the tidal nature of underlying groundwater, a potential exists for these hydrocarbons to have migrated to the subject site.

**SREC #8:** Heavy staining near floor drains in the on-site storage building  
**Potential Impact:** Low  
**Explanation:** Heavy staining of the concrete floor appearing to be caused by hydrocarbons was observed immediately surrounding two floor drains, one in the northwestern portion and a second in the southeastern portion of the building. Although no cracks were apparent in the concrete in the areas where staining was observed, it is unknown whether the source of the stains has also migrated

into these floor drains or where the floor drains discharge. In addition, the source of the staining could have penetrated the concrete floor. A potential therefore exists for apparent hydrocarbon spills or leaks to have migrated to the subsurface, and due to the tidal nature of underlying groundwater, to have subsequently migrated under the subject site.

The following SRECs were observed on the adjacent properties east and northeast of the subject site during a site visit by Haley & Aldrich for the comprehensive Phase I assessment of Buzzard Point in August 2013.

**SREC #9:** Open Leaking Underground Storage Tank (LUST) case adjacent to subject site at 1812 Half St., SW

**Potential Impact:** Low

**Explanation:** A LUST entry (case # 95015) in December 1994 reportedly impacted soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site.

**SREC #10:** Open LUST case adjacent to subject site at 1601 S Capitol St., SW

**Potential Impact:** Medium

**Explanation:** A LUST entry (case # 2013006) for a release listed as heating oil, gasoline, diesel from a UST in April 2013 reported impacts to soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Haley & Aldrich advanced a monitoring well, GTW-661-800-1, in the southeastern portion of Square 0661, Lot 0800 in June 2014. Petroleum hydrocarbons were not detected in a soil sample collected at 10-15 feet bgs at this location. Groundwater was not encountered at the monitoring well depth of 22 feet bgs; however, there is a potential for deeper groundwater to be present and impacted. Due to the tidal influence of the area, a potential exists for impacted groundwater to have migrated under the subject site.

**SREC #11:** Open LUST case adjacent to subject site at 1625 S. Capitol St., SW

**Potential Impact:** Low

**Explanation:** A LUST entry (case # 2013005) associated with the release of heating oil, gasoline or diesel from an UST in March 2013 reported impacts to soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted by the LUST and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site. As noted above, Haley & Aldrich advanced a monitoring well, GTW-661-800-1, in the southeastern portion of Square 0661, Lot 0800 in June 2014. Petroleum hydrocarbons were not detected in a soil sample collected at 10-15 feet bgs at this location. Groundwater was not encountered at a depth of 22 feet bgs in this monitoring well. However, there is a potential for deeper groundwater to be present and impacted at this property. Due to the tidal influence of the area, a potential exists for impacted groundwater to have migrated under the subject site.

**SREC #12:** Open LUST case adjacent to subject site at 1721 S. Capitol Street, SW  
**Potential Impact:** Low  
**Explanation:** A LUST entry (case # 87012) for a release listed as gasoline/heating oil from the UST was reported in September 1987. The LUST reportedly impacted soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Low levels of benzene, toluene, xylenes, chloromethane, naphthalene and TPH-GRO were detected in groundwater at a monitoring well, GTW-661-804-1, located in the southeastern portion of Square 0661, Lot 0804 and advanced in June 2014. These concentrations were below applicable regulatory limits. Hydrocarbons were not detected in soil at this location. However, due to the tidal influence of the area, a potential exists for impacted groundwater to have migrated under the subject site to the north and south of this monitoring well.

### **HISTORICAL RECs**

The ASTM E 1527-05 Standard defines an HREC as an environmental condition “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

This Phase I assessment has revealed the following four HRECs.

**HREC #1:** LUST case # 93051 in Square 0665, Lot 0024, PEPCO Generating Station. In 1993, significant gasoline and diesel contamination was discovered in soil and groundwater on the northern portion of Square 0665, Lot 0024. PEPCO performed monitoring and remediation activities during the 1990s, removing more than 1,000 gallons of liquid-phase hydrocarbons (LPH). A No Further Action letter was issued by the Government of the District of Columbia, dated 1 April 2010. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #2:** A 20,000 gallon gasoline LUST (case # 93094) at Square 0607, Lot 0013, immediately adjacent to the west of the subject site, historically impacted soil and groundwater under the subject site and was reported in August 1993. The LUST case received regulatory closure in May 1994. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #3:** LUST case # 96030 at Square 0605, Lot 0802, immediately adjacent to the west of the subject site, and related to a tank containing gasoline was reported to be impacting soil and was granted regulatory closure. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #4:** A LUST case was reported at Opportunity Concrete Garage, 1601 S Capitol St., SW. The LUST entry was associated with the release of gasoline from a UST in November 1993 and reportedly impacted soil. The status of this release is listed as closed. Based on the status of the LUST entry and impacts being limited to soil, the gasoline release does not present a threat to human health or the environment under current site conditions and is unlikely to require additional regulatory action.

### **DE MINIMIS CONDITIONS**

The ASTM E 1527-05 Standard defines *de minimis* conditions as those conditions which “do 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.” The ASTM E 1527-05 Standard notes that “conditions determined to be *de minimis* are not recognized environmental conditions.”

This Phase I assessment revealed the following *de minimis* condition: Two drums containing unknown liquids were observed in the southern portion of Square 0661 Lot 0805 in a vegetated area. Staining of vegetation surrounding the drums was not observed.

### **SUMMARY AND RECOMMENDATIONS**

In summary, several RECs were identified during the comprehensive Buzzard Point Phase I assessment in August 2013 and subsequent Phase II sampling in June 2014. Limited Phase II subsurface sampling described in this report confirmed petroleum impacts were detected in soil and groundwater beneath the subject site. Based on the elevated hydrocarbon concentrations detected at Square 0661, Lot 0804 and Square 0661, Lot 0805, it is our opinion that further investigation is warranted if delineation of petroleum impacts is desired and to refine possible material management options and associated costs. Furthermore, it is still unknown whether soil and groundwater under Square 665, Lot 024 is impacted, and if so, what extent of impacts is present. Based on the data obtained, soil and groundwater management may be required during construction activities:

- Groundwater impacted by petroleum hydrocarbons in proximity to the former ASTs at Square 661 Lot 804 may require treatment prior to discharge or off-site disposal. If a deep structure (i.e. subsurface parking garage) is constructed in this area of the subject site that requires long-term dewatering, then a treatment system may be required, along with appropriate maintenance, permitting, and monitoring.
- Petroleum-impacted soil in proximity to the former ASTs at Square 661 Lot 804 may not be appropriate for use as off-site fill and may require special handling and disposal. However, depending upon the type or development proposed, the impacted soil may be able to be managed on-site with agency approval and the use of institutional and/or engineering controls.

We recommend developing a site-specific health and safety plan and a soil management plan to address proper handling of excavated soil. If groundwater will be encountered during the proposed development, then the soil management plan should include proper handling procedures for construction dewatering. Excavated soil may require characterization and treatment/off-site disposal. The District Department of the Environment (DDOE) may require submission of a Work Plan to document how the developer will comply with applicable standards.

Schedule impacts on the proposed development associated with the recommended tasks range from 3 to 6 months, depending upon DDOE review and approval. Potential order of magnitude cost impacts from



the identified RECs on the proposed development range from \$25,000 to \$250,000 (see Table III for assumptions regarding these order of magnitude costs). **Note that these cost ranges assume a nominal volume of soil (200 cubic yards) and groundwater (4,000 gallons) will require removal for the proposed development.** We have assumed deep foundation designs that produce minimal soil and groundwater spoils. If shallow foundations or a subsurface structure is constructed on the site, requiring the removal of a greater volume of soil and groundwater than we have assumed, then we request the opportunity to revise our order of magnitude cost and schedule impacts accordingly.

## **9. CREDENTIALS**

This Phase I assessment report was prepared by Karin Holland under the direct supervision of David Schoenwolf, who served as the Project Manager of this project. Qualification information for the project personnel is provided below.

### **KARIN HOLLAND** **Senior Specialist**

Ms. Holland received a Bachelor of Arts degree in Natural Sciences from the University of Cambridge, United Kingdom in 2002 and a Master of Science degree in Law and Environmental Science from the University of Nottingham, United Kingdom in 2003. Ms. Holland is involved in a variety of projects including environmental site assessments, soil management, and field sampling events. Her responsibilities with Phase I Environmental Site Assessments include site history research, interaction with clients and state regulatory agencies, interpretation and evaluation of environmental conditions, and development of recommendations for future investigations.

### **DAVID SCHOENWOLF** **Principal Consultant | Senior Vice president**

Mr. Schoenwolf has over 36 years of experience in the engineering and environmental consulting practice. Mr. Schoenwolf has been an Officer-in-charge and project manager for geotechnical engineering and environmental evaluations for a broad range of projects. His scope of projects has ranged from preliminary feasibility studies, environmental site assessments, and master plan site development studies to complete design investigations for major projects including preparing geotechnical data and interpretive reports; preparing contract documents, technical specifications, and reviewing contractor submittals; instrumentation monitoring; and construction consulting. He is a registered professional engineer in the District of Columbia.

## REFERENCES

1. Topographic Map, Washington West, District of Columbia Quadrangle, United States Geological Survey 7.5 minute series, dated 1983.
2. Haley & Aldrich, Inc., site visit conducted by Karin Holland and Christian-Noel Tschibelu on 28 August 2013.
3. Tat-Lin Angus of PEPCO, Terrance Jones of Akridge and John Keller of Super Salvage, Inc. interviews with Haley & Aldrich, Inc., on 28 August 2013.
4. Environmental Data Resources, Database Report, dated July 2013.
5. No Further Action Letter for LUST case #93051, Pepco (Buzzard Generating Station) issued by the Government of the District of Columbia, dated 1 April 2010.
6. "Limited Phase II Environmental Investigation, Buzzard Point, 2nd Street SW / V Street SW, Washington, D.C.," prepared by URS Corporation, Inc. (URS), for Potomac Electric Power Company, dated 22 March 2005. Note: This report included the multi-lot area located off the subject site, south of T Street, North of V Street, east of 2nd Street, and west of 1st Street. Only findings related to the subject site are discussed herein.
7. "Phase I Environmental Site Assessment, Buzzard Point, Squares 609 & 611, 2nd Street and V Street, SW, Washington, DC," prepared by URS for PEPCO Holdings Inc., dated 4 April 2005. Note: This report included the multi-lot area located off the subject site, south of T Street, North of V Street, east of 2nd Street, and west of 1st Street. Only findings related to the subject site are discussed herein.
8. "Phase I Environmental Site Assessment, Buzzard Point, 2nd Street and V Street, SW, Washington, DC," prepared by Advantage Environmental Consultants, LLC (AEC), for The John Akridge Companies, Inc., dated 10 June 2005. Note: This report included the multi-lot area located south of S Street, North of V Street, east of 2nd Street, and west of 1st Street. Only findings related to the subject site are discussed herein.
9. "Phase II Environmental Site Assessment, Buzzard Point, 2nd Street and V Street, SW, Washington, DC," prepared by AEC for The John Akridge Companies, Inc., dated 10 June 2005. Note: This report included the multi-lot area located south of S Street, North of V Street, east of 2nd Street, and west of 1st Street. Only findings related to the subject site are discussed herein.
10. "Assessment of the Buzzard Point Properties," prepared by Geomatrix, Inc., for Potomac Electric Power Company, dated March 1990. Note: This report included the multi-lot PEPCO properties located, south of Potomac Avenue, North of V Street, east of 2nd Street, and west of Half Street. Only findings related to the subject site are discussed herein.
11. Comprehensive Site Assessment Potomac Electric Power Company, Buzzard Point Station, 1st and V Street, Prepared by TPH Technology, Incorporated (TPH Technology), dated 11 August 1993. Note: This report included the multi-lot PEPCO properties located, south of Potomac

Avenue, North of V Street, east of 2nd Street, and west of Half Street. Only findings related to the subject site are discussed herein.

12. Excerpts from Corrective Action Plan Remedial Specifications and Implementation Details, Buzzard Point Generation Station, prepared by TPH Technology, March 1995. This report included the multi-lot PEPCO properties located, south of Potomac Avenue, North of V Street, east of 2nd Street, and west of Half Street. Only findings related to the subject site are discussed herein.
13. LUST Case #93051 – Buzzard Point Station, Letter to DC Department of Health dated 7 June 2002.
14. LUST Case #93051 – Buzzard Point Station, Letter to DC Department of Health dated 19 August 2004.

**TABLE I**

SUMMARY OF SOIL QUALITY DATA

PEPCO PARCELS AT BUZZARD POINT, SQUARE 0661, LOT 0805, SQUARE 0661, LOT 0804 AND SQUARE 0665, LOT 0024  
 WASHINGTON, DC  
 FILE NO.: 40223-002

Constituent of Concern	DCRBSLs for a Commercial Worker		DCRBSLs for a Construction Worker	DC Tier 0 Soil Standards (mg/kg)	EPA Regional Screening Level (RSL) for Residential Soil (mg/kg)	Detected Constituents in Soil												
	Sub-surface Soil (mg/kg)		Soil Up to Depth of Construction (mg/kg)			Location:	Square 0661, Lot 0805, Square 0661, Lot 0804 and Square 0665, Lot 0024											
	Indoor Inhalation	Outdoor Inhalation	Ingestion, Inhalation (Vapor Emissions and Particulates) & Dermal Contact			Sample ID:	GTW-661-24-1		GTW-661-804-1		GTW-661-804-2		GTW-661-804-3		GTW-661-805-1		GTW-661-COMP-805-1	
						Depth (ft):	20-23	Lab	20-25	Lab	10-15	Lab	20-25	Lab	0-2	Lab	0-2	Lab
						Date:	6/27/2014	Qualifier	6/27/2014	Qualifier	6/26/2014	Qualifier	6/26/2014	Qualifier	6/26/2014	Qualifier	6/27/2014	Qualifier
			Units:	mg/kg		mg/kg		mg/kg		mg/kg		mg/kg		mg/kg				
Benzene	3.36E-02	2.10E+01	6.91E+02	1.00E+00	1.20E+00	c	<0.0041	<0.0045	<1.03	<2.22	<0.0042	<0.0043	<0.0043	<0.0043	<0.0043			
Toluene	6.91E+02	4.49E+05	6.46E+04	1.00E+01	4.90E+03	nc	<0.0041	<0.0045	<1.03	<2.22	<0.0042	<0.0043	<0.0043	<0.0043	<0.0043			
Ethylbenzene	2.70E-01	1.81E+02	3.18E+03	1.00E+01	5.80E+00	c	<0.0041	<0.0045	<1.03	<2.22	<0.0042	<0.0043	<0.0043	<0.0043	<0.0043			
Xylenes (total)	2.67E+01	1.70E+04	2.39E+04	1.00E+01	5.80E+02	nc	<0.0082	<0.0090	<2.07	<4.43	<0.0085	<0.0085	<0.0085	<0.0085	<0.0085			
Naphthalene	1.25E+00	8.48E+02	4.16E+03	NA	3.80E+00	c	<0.0041	<0.0045	<1.03	<2.22	<0.0042	<0.0043	<0.0043	<0.0043	<0.0043			
TPH-GRO	3.76E+02	2.29E+05	1.04E+09	1.00E+02	1.10E+01	c	<4.7	<5.3	<9.9	511	NA	NA	NA	NA	NA			
TPH-DRO	1.46E+04	8.89E+06	1.27E+08	1.00E+02	6.10E-01	c	<5.9	<6.1	483	1,260	<5.9	38.3	38.3	38.3	38.3			
PCB-1016 (Aroclor 1016)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			
PCB-1221 (Aroclor 1221)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			
PCB-1232 (Aroclor 1232)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			
PCB-1242 (Aroclor 1242)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			
PCB-1248 (Aroclor 1248)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			
PCB-1254 (Aroclor 1254)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			
PCB-1260 (Aroclor 1260)							<0.0394	NA	NA	NA	NA	NA	NA	NA	NA			

**Notes:**  
 < - less than reporting limit  
 c: Carcinogenic Screening Level (SL) with Target Risk (TR) = 1E-06  
 nc: Non-carcinogenic Screening Level (SL) with Hazard Index (HI) = 1  
 NA: Not analyzed for/not available due to lack of an input parameter.

**Sources:**  
 District of Columbia Risk-Based Corrective Action (DCRBCA) Technical Guidance Section 5.0 (June 2011)  
 United States Environmental Protection Agency (EPA) Regional Screening Level (RSL) Tables (May 2014)  
 Tier 0 Standards Final Rulemaking published at 40 DCR 7835, 7892 (November 12, 12993); as amended by Final Rulemaking published at 46 DCR 7699 (October 1, 1999)

**TABLE II**  
 SUMMARY OF GROUNDWATER QUALITY  
 PEPCO PARCELS AT BUZZARD POINT, SQUARE 0661, LOT 0805, SQUARE 0661, LOT 0804 AND SQUARE 0665, LOT 0024  
 WASHINGTON, DC  
 FILE NO.: 40223-002

Constituent of Concern	DCRBSLs for a Construction Worker		DCRBSLs for a Commercial Worker			DC Tier 1 Surface & Groundwater Standards (mg/L)	EPA Regional Screening Level		EPA Maximum Contaminant Levels for Drinking Wwater		Detected Constituents in Groundwater					
	Groundwater (mg/L)		Groundwater (mg/L)				Tapwater (mg/L)	Drinking Water (mg/L)	Location: Square 0661, Lot 0805, Square 0661, Lot 0804 and Square 0665, Lot 0024							
	Outdoor Inhalation	Incidental Dermal Contact	Indoor Inhalation**	Outdoor Inhalation	Incidental Dermal Contact				Sample ID:	GTW-661-24-1	GTW-661-804-1	GTW-661-804-2	GTW-661-804-3			
									Depth (ft bgs):	20'-23'	20'-25'	10'-15'	20'-25'			
					Sample Date:	7/2/2014	7/2/2014	7/2/2014	7/1/2014							
					Units:	mg/L	mg/L	mg/L	mg/L							
Acetone	NA	#	NA	#	NA	#	NA	#	NA	1.40E+01	nc	N/A	<0.025	<b>0.0258</b>	<0.025	NA
Benzene	1.38E+04	#	4.71E+00	#	4.48E-01	#	1.99E+02	#	6.78E-02	5.00E-03	c	5.00E-03	<0.001	<b>0.0344</b>	<0.001	<b>0.0082</b>
Toluene	7.67E+06	#	1.32E+02	#	6.22E+03	#	2.76E+06	#	4.75E+01	1.00E+00	nc	1.00E+00	<0.001	<b>0.0020</b>	<0.001	<b>0.0013</b>
Ethylbenzene	4.22E+04	#	6.20E+00	#	1.37E+00	#	6.08E+02	#	8.93E-02	7.00E-01	c	7.00E-01	<0.001	<0.001	<0.001	<b>0.0122</b>
Xylenes (total)	1.75E+05	#	1.81E+02	#	1.42E+02	#	6.28E+04	#	6.50E+01	1.00E+01	nc	1.00E+01	<0.002	<b>0.0025</b>	<0.002	<b>0.0036</b>
Naphthalene	3.95E+04	#	1.79E+01	#	1.27E+00	#	5.69E+02	#	6.43E+00	7.30E-01		N/A	<0.001	<b>0.0014</b>	<0.001	<b>0.0674</b>
TPH-GRO	NA	#	NA	#	2.71E+02	#	1.20E+05	#	NA	7.30E+00		N/A	<0.080	<b>0.66</b>	<0.080	<b>3.0</b>
TPH-DRO	NA	#	NA	#	1.71E+03	#	7.60E+05	#	NA	3.57E+00		N/A	<0.50	<0.50	<0.50	<b>3.0</b>

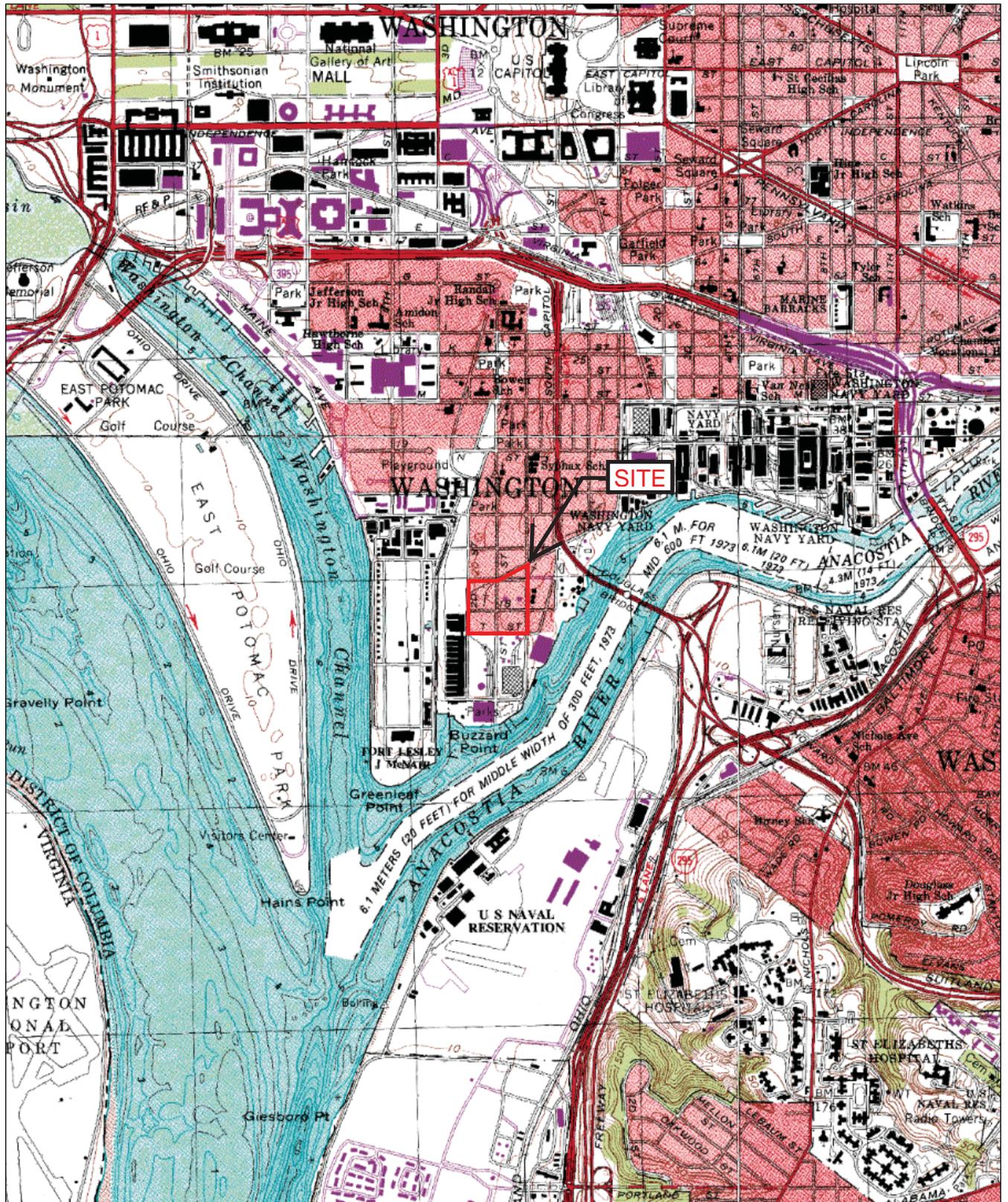
**Notes:**  
 #: Calculated RBSL exceeded pure component water solubility and calculated value is shown.  
 c: Carcinogenic Screening Level (SL) with Target Risk (TR) = 1E-06  
 nc: Non-carcinogenic Screening Level (SL) with Hazard Index (HI) = 1  
 NA: Not analyzed for/not available due to lack of an input parameter.

**Sources:**  
 District of Columbia Risk-Based Corrective Action (DCRBCA) Technical Guidance Section 5.0 (June 2011)  
 United States Environmental Protection Agency (EPA) Regional Screening Level (RSL) Tables (May 2014)  
 Tier 1 Screening Levels, for Soil, Groundwater and Surface Water, adopted from Risk Based Corrective Action Guidance 2001, 20 DCMR 6208-6210.

**TABLE III**  
ORDER OF MAGNITUDE COST AND SCHEDULE IMPACTS FROM IDENTIFIED RECS  
PEPCO PARCEL AT BUZZARD POINT, SQUARE 607, LOT 0013  
WASHINGTON, DC  
FILE NO. 40223-002

Recognized Environmental Conditions	Previous Findings	Limited Phase II Findings	Potential Impact on Proposed Development	Potential Remedies	Order of Magnitude Opinion of Cost (Range)				Implementation Schedule (weeks)*		
					Low	Assumptions	High	Assumptions			
KREC #1:	Petroleum impacts in soil in proximity to former ASTs at Square 661-804	TPH Technology, 1993: - diesel fuel concentration: 808 mg/kg - gasoline concentration: 2,530 mg/kg - ethylbenzene concentrations: 89.2 and 260 mg/kg - xylenes concentration: 768 mg/kg - naphthalene concentrations: 271 and 356 mg/kg	TPH-GRO concentration of 511 mg/kg in soil at 20-25 feet below ground surface (bgs) at GTW-661-804-3, at Square 0661, Lot 804  TPH-DRO concentration of 483 mg/kg at 10-15 feet bgs at GTW-661-804-2 and 1,260 mg/kg at 20-25 feet bgs at GTW-661-804-3	Soil excavated during construction with TPH >100 mg/kg DC Tier 0 Screening Level is not appropriate for unrestricted use as fill (may require appropriate treatment/disposal)	Develop a Site-Specific Health & Safety Plan and a Soil Management Plan to guide construction activities and proper management of impacted soil and groundwater encountered during construction	\$ 10,000	Impacted soil has been contaminated with exempt petroleum fuel(s) only and can be treated at a petroleum contaminated soil recycling facility or managed on-site using appropriate institutional and engineering controls.	\$ 30,000	DDOE requires a comprehensive assessment (up to 6 additional temporary wells, soil & groundwater sampling along with additional waste characterization sampling to confirm non-hazardous waste for disposal).	4	8
	Petroleum impacts in groundwater in proximity to former ASTs at Square 661-804	TPH Technology, 1993: - diesel fuel concentrations: 1.14 and 144 mg/L - gasoline concentration: 15 mg/L - benzene concentrations: 22.4 and 10.8 mg/L - ethylbenzene concentrations: 64.6 and 443 mg/L - toluene concentration: 1.45 mg/L - xylenes concentration: 1,310 mg/L - naphthalene concentrations: 2.49 and 171 mg/L	TPH-GRO and TPH-DRO concentrations of 3 mg/L in groundwater at 20-25 bgs at GTW-661-804-3, at Square 0661, Lot 804  Benzene concentration of 0.0082 mg/L, ethylbenzene concentration of 0.0122 mg/L and naphthalene concentration of 0.0674 mg/L at GTW-661-804-3 at depths of 20-25 feet bgs, at Square 0661, Lot 804	If groundwater will be encountered during the proposed development, then the soil management plan should include proper handling procedures for construction dewatering.	Site-Specific Health & Safety Plan and Soil Management Plan to guide construction activities and proper management of impacted groundwater generated during construction dewatering.	Included above	No impacted soil encountered	\$ 15,000	Additional assessment (up to 4 temporary wells, groundwater sampling to evaluate spatial extent, magnitude of impacts and potential management options for groundwater if dewatering is required).	4	6
KREC #2:	Petroleum impacts in groundwater from off-site source	Not applicable	Benzene concentration of 0.0344 mg/L and naphthalene concentration of 0.0014 mg/L at 20-25 ft. bgs at GTW-661-804-1, at Square 0661, Lot 804	Low concentrations (below DC Tier 0 Screening Level) unlikely to require special handling due to proposed commercial development.	Not applicable if subject site is redeveloped for commercial use	Included above	Low concentrations are limited in vertical extent and do not require additional management strategy above what is included in soil management plan.	\$ 5,000	Additional assessment (up to 4 shallow soil borings to evaluate spatial extent, magnitude of impacts and potential management options for impacted soils).	2	4
KREC #3	Petroleum impacts in soil at Square 0661, Lot 805	Not applicable	TPH-DRO concentration of 38.3 mg/kg in a composite soil sample, GTW-661-COMP-805-1 collected at 0-2 feet at Square 0661, Lot 805	PCBs detected in soils that require special handling and disposal during development.	Develop a Site-Specific Health & Safety Plan and a Soil Management Plan to guide construction activities and proper management of impacted soil encountered during construction	\$ 10,000	Geoprobe sampling to collect up to 8 soil samples (2 samples in 4 borings) and laboratory analysis. No PCBs detected.	\$ 50,000	PCB Impact is confirmed around substation requiring remediation and management as TSCA waste.	6	8
SREC #1:	Substation operations at PEPCO Square 665, Lot 0024	Groundwater maximum concentrations at Square 665, Lot 0024 provided in Letter to DC Department of Health dated 7 June 2002: - Benzene: 0.444 mg/L - Toluene: 0.0892 mg/L - Ethylbenzene: 0.149 mg/L - m/p xylenes: 0.252 mg/L - o-xylene: 0.016 mg/L - TPH-GRO: 11.22 mg/L  Groundwater maximum concentrations at Square 665, Lot 0024 provided in Letter to DC Department of Health dated 7 June 2002: - Benzene: 1.4 mg/L - Toluene: 0.67 mg/L - Ethylbenzene: 3.6 mg/L - xylenes: 4.7 mg/L - TPH-GRO: 45 mg/L - TPH-DRO: 1,100 mg/L	Not applicable	Associated environmental management	Work Plan development.	\$ 5,000	DDOE accepts a modified Soil Management Plan.	\$ 150,000	On-site environmental monitoring during excavation/dewatering activities (up to 3 months), confirmation soil sampling/analysis (up to 13 soil samples for TPH/BTEX/metals/PCBs), confirmation groundwater sampling/analysis (up to 4 water samples for TPH/BTEX/metals), PID monitoring and reporting	1	10
					Order of Magnitude Cost Range for Impacts on Proposed Development from Identified RECs:	\$ 25,000	to	\$ 250,000	Order of Magnitude Schedule Impacts on Proposed Development from Identified RECs:	13	26

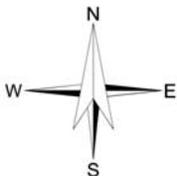
Note:  
\* Assumes most activities can be performed concurrently and that DDOE/DCRA reviews will be completed within 4 to 6 weeks.



SITE COORDINATES: 38°52'6"N, 77°0'44"W

**HALEY & ALDRICH**

SITE OWNED BY POTOMAC ELECTRIC POWER COMPANY  
 SQUARE 0661, LOT 0805; SQUARE 0661, LOT 0804 AND  
 SQUARE 0665, LOT 0024  
 BUZZARD POINT  
 WASHINGTON, DISTRICT OF COLUMBIA



U.S.G.S. QUADRANGLE: ALEXANDRIA, VA

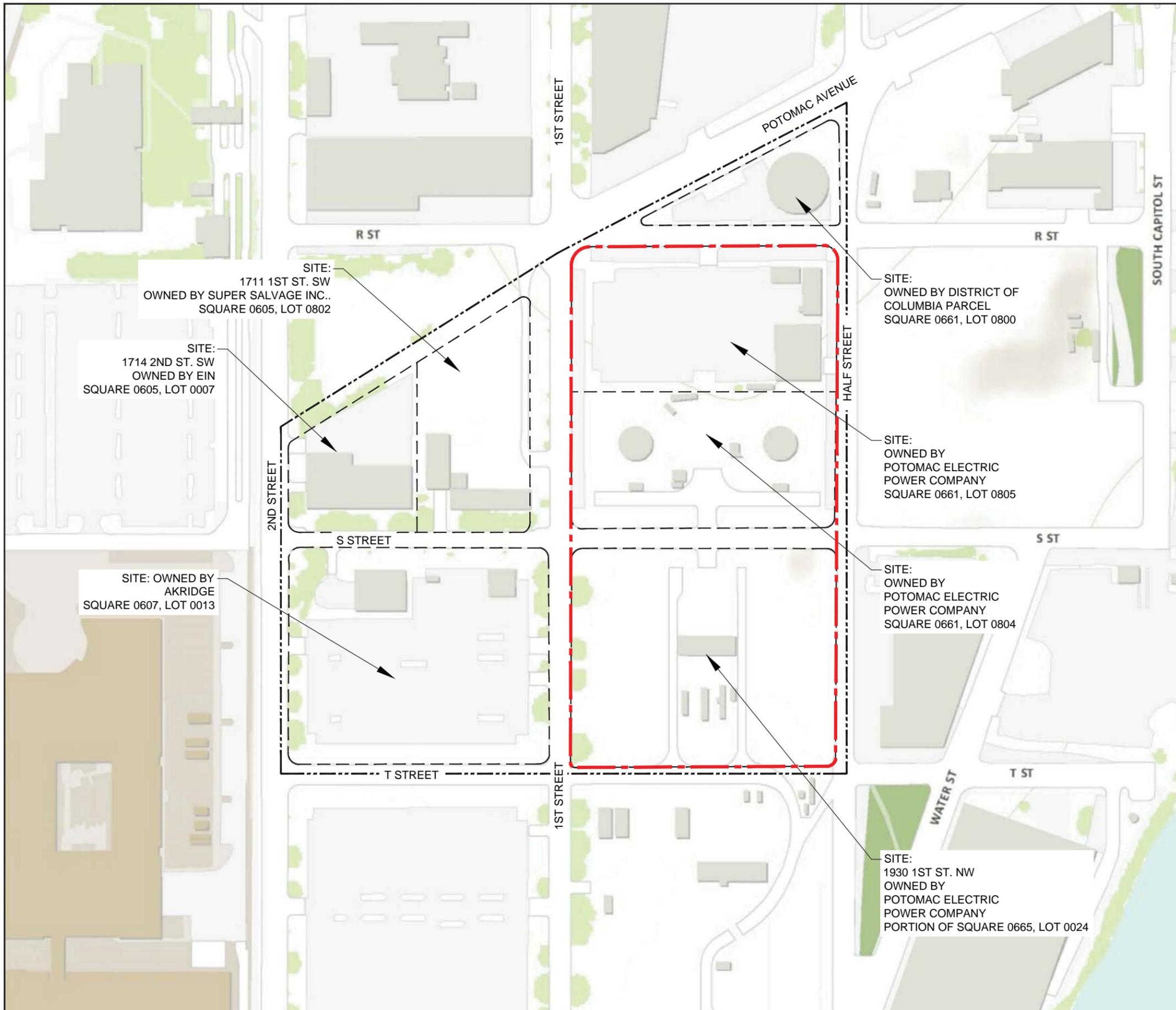
PROJECT LOCUS

SCALE: 1:24,000  
 September 2014

FIGURE 1



G:\140223 BUZZARD POINT\GLOBAL\CAD\40223-001-0004 SITE PLAN 2014.DWG

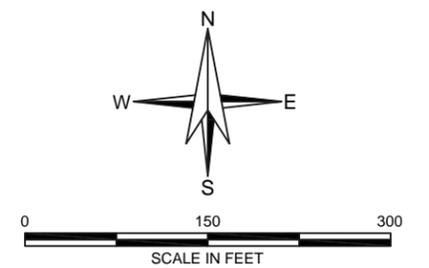


**LEGEND**

- - - - APPROXIMATE PROPERTY BOUNDARY
- - - - APPROXIMATE SITE BOUNDARY
- - - - APPROXIMATE PARCEL BOUNDARIES

**NOTES:**

1. BASE IMAGE BASED ON ARC/GIS IMAGE .



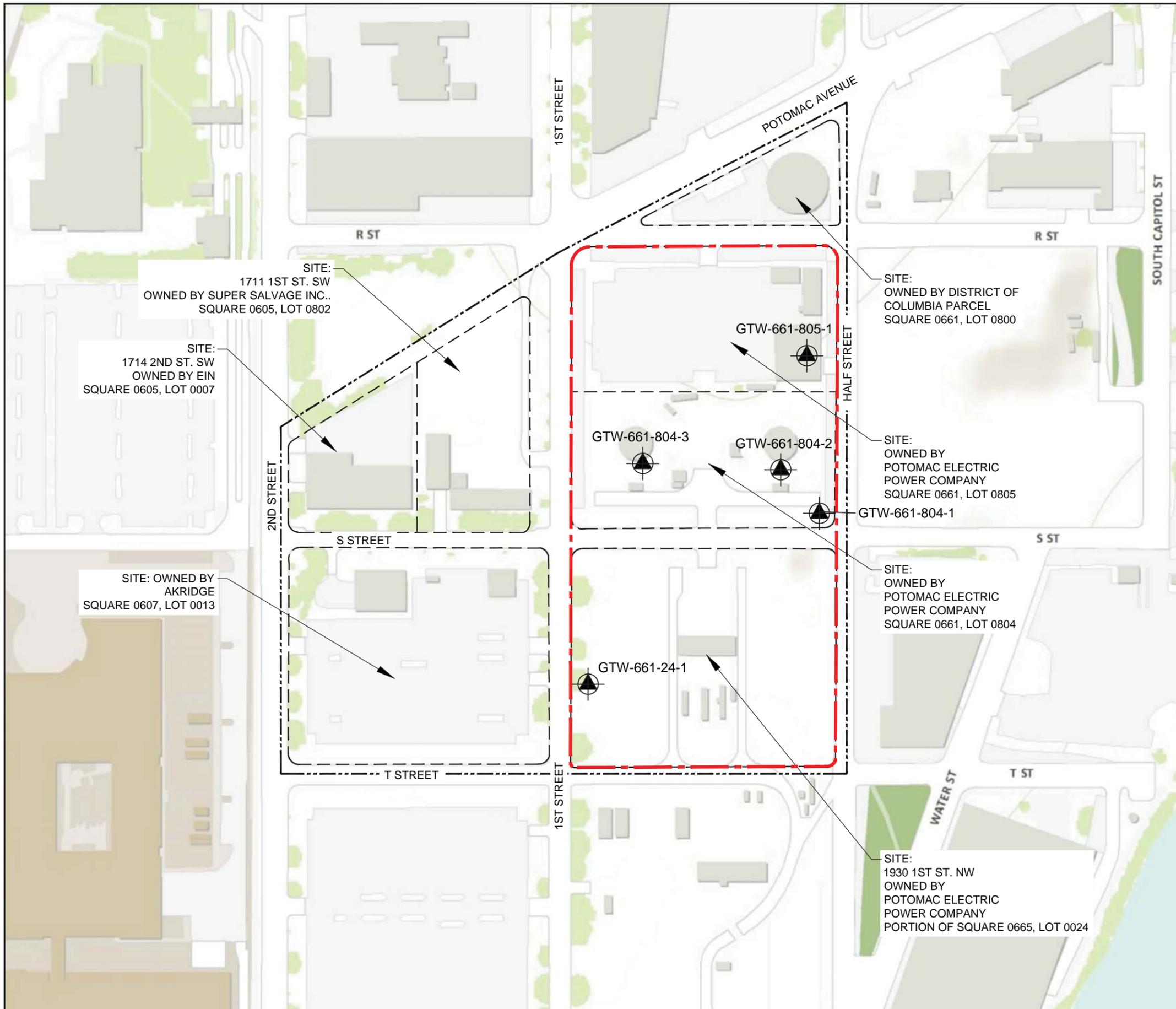
**HALEY & ALDRICH**  
 SITE OWNED BY POTOMAC ELECTRIC POWER COMPANY  
 SQUARE 0661, LOT 0805; SQUARE 0661, LOT 0804 AND  
 SQUARE 0665, LOT 0024  
 BUZZARD POINT  
 WASHINGTON, DISTRICT OF COLUMBIA

**SITE PLAN**

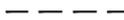
SCALE: AS SHOWN  
September 2014

**FIGURE 2**

G:\140223 BUZZARD POINT\GLOBAL\CAD\40223-001-0004 SITE PLAN 2014.DWG

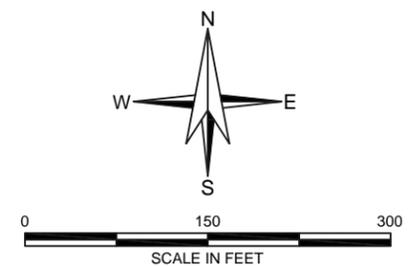


**LEGEND**

-  DESIGNATION AND APPROXIMATE LOCATION OF PROPOSED SOIL BORING.
-  DESIGNATION AND APPROXIMATE LOCATION OF TEMPORARY MONITORING WELL.
-  APPROXIMATE PROPERTY BOUNDARY
-  APPROXIMATE SITE BOUNDARY
-  APPROXIMATE PARCEL BOUNDARIES

**NOTES:**

- 1. BASE IMAGE BASED ON ARC/GIS IMAGE .



**HALEY & ALDRICH**  
 SITE OWNED BY POTOMAC ELECTRIC POWER COMPANY  
 SQUARE 0661, LOT 0805; SQUARE 0661, LOT 0804 AND  
 SQUARE 0665, LOT 0024  
 BUZZARD POINT  
 WASHINGTON, DISTRICT OF COLUMBIA

**EXPLORATION LOCATION PLAN**

SCALE: AS SHOWN  
September 2014

**FIGURE 3**

**APPENDIX A**

**Proposals and Agreements**

Haley & Aldrich, Inc.  
7926 Jones Branch Dr.  
Suite 870  
McLean, VA 22102

Tel: 703.336.6200  
Fax: 703.356.4699  
HaleyAldrich.com



28 June 2013  
File No. 40223-970

McKissack & McKissack  
1401 New York Avenue, NW  
Suite 900  
Washington, DC 20005

Attention: William J. Carlson  
Senior Project Manager

Subject: Proposal for Phase I Environmental Site Assessment  
Potomac Avenue & 1<sup>st</sup> Street SW  
Washington, DC

Ladies and Gentlemen:

Haley & Aldrich, Inc., is pleased to submit this proposal to provide environmental consulting services. This proposal presents our scope of work to perform a Phase I environmental site assessment (Phase I ESA) at the above-referenced site (subject site), using methods consistent with the ASTM E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 CFR Part 312 (the All Appropriate Inquiries [AAI] Rule).

The completion of this Phase I ESA is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM E 1527-05 Standard and the AAI Rule. User responsibilities are discussed below. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

## **PROJECT UNDERSTANDING AND BACKGROUND**

It is our understanding that McKissack & McKissack is in the process of preparing a Feasibility Study for proposed development of the subject site, and in connection with the Feasibility Study, desires a Phase I ESA of the subject site consistent with the ASTM E 1527-05 Standard practices.

Haley & Aldrich understands the subject site consists of the following parcels bounded by Potomac Avenue, SW, 2<sup>nd</sup> Street, SW, T Street, SW and Half Street, SW:

- Square 0605, Lots 0007 & 0802 (1711 & 1714 1<sup>st</sup> Street, SW)

- Square 0607, Lot 0013
- Square 0661, Lots 0800, 0805 and 0804
- Square 0665, Lot 0024 (1930 1<sup>st</sup> Street, NW)

## PROJECT OBJECTIVES

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site by evaluating site history, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. RECs are defined in the ASTM E 1527-05 Standard as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water at the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E 1527-05 Standard defines HRECs as environmental conditions “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our conclusions regarding the potential impact of RECs, HRECs, and *de minimis* on the subject site are intended to help the user evaluate the “business environmental risk” associated with the subject site, defined in the ASTM E 1527-05 Standard as “a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations...” The non-scope considerations listed in the ASTM E 1527-05 Standard are discussed below in the Authorization section of this proposal.

The Phase I assessment work scope has been developed to be consistent with the ASTM E 1527-05 Standard, based on our current understanding of the subject site. The Phase I assessment consists of four components: Records Review, Site Reconnaissance, Interviews, and Report Preparation.

## SCOPE OF WORK

1. Records Review - Haley & Aldrich will assemble and review readily available information on site history and usage as it relates to the presence of hazardous substances and petroleum products that would constitute RECs on the subject site. The ASTM E 1527-05 Standard lists standard and additional records for review.

We will review information from the mandatory databases within the ASTM-specified approximate minimum search distances. The mandatory databases include: NPL; Delisted NPL; CERCLIS; CERCLIS NFRAP; ERNS; RCRA non-CORRACTS TSD; RCRA CORRACTS TSD; RCRA Generators; Federal Institutional and Engineering Controls; State and Tribal Landfills and Solid Waste Disposal Sites; State and Tribal equivalent NPL and CERCLIS Sites; State and Tribal Registered Storage Tanks; State and Tribal Leaking Storage Tanks; State and Tribal Institutional and Engineering Controls; State and Tribal Voluntary Clean-up Sites; and State and Tribal Brownfields Sites. We intend to use an electronic database service to provide a report summarizing information from the required records, and will rely on the database service to conform to ASTM requirements for currency of the information. Should the database search report identify listed sites with the potential to impact the subject site, Haley & Aldrich may review the federal or state files pertaining to the listed sites, as reasonably ascertainable and practically reviewable. The budget presented below does not include costs for review of files at more than one agency's office.

As required by ASTM, a current 7.5-minute USGS topographic map or equivalent will be used to evaluate the physical setting in the subject site area, and will be supplemented by discretionary review of readily available information concerning surface topography, surface water, soil, bedrock, and groundwater conditions on and in the vicinity of the subject site.

To complete the ASTM records review, Haley & Aldrich may contact one or more of the following agencies concerning the subject site: Health Department, Fire Department, Water Department, Zoning Board, and Engineering Department. We will contact the agencies for information concerning records related to storage, use, or release of hazardous substances or petroleum products that may constitute RECs on the subject site, and will document our contacts in writing.

ASTM requires that "obvious uses" of the subject site be identified from the present back to the first developed use or back to 1940, whichever is earlier. In order to complete that task, Haley & Aldrich will review one or more of the following ASTM-listed standard historical sources: aerial photographs, fire insurance maps, property tax files, recorded land title records, USGS topographic maps, local street directories, building department records, and zoning/land use records. Haley & Aldrich may also review ASTM-listed "other historical sources" including newspaper archives, internet sites, and local libraries and historical societies.

Haley & Aldrich will review reports previously prepared for the subject site, if provided.

Pursuant to the ASTM E 1527-05 Standard, records identified by ASTM as "Additional" or "Other" will be reviewed when, in Haley & Aldrich's judgment, they are (1) reasonably ascertainable; (2) sufficiently useful, accurate, and complete; and (3) generally obtained pursuant to local good commercial or customary practice.

2. Site Reconnaissance - Haley & Aldrich will visit the subject site and view interior and exterior conditions to assess the nature and type of activities that have been conducted with respect to the potential for RECs to be present. Haley & Aldrich will observe and document visible evidence of current and past usage of the subject site, particularly related to potential filling, previous structures, sewage disposal systems, hazardous substances, petroleum products, storage tanks, and evidence of spills or releases of hazardous substances or petroleum products. Conditions of adjoining properties will also be observed from the subject site boundaries and/or public thoroughfares.

We understand that you will make all areas of the subject site accessible to our representative(s) for the site visit. For budgeting purposes, we have assumed that all areas of the subject site will be made accessible and that the site reconnaissance will be conducted in one site visit.

Our observations and conclusions related to the site reconnaissance may be limited by prevailing weather conditions or other conditions at the time of our site visit. Our report will include a discussion of factors limiting our site reconnaissance, if applicable.

3. Interviews with Owners and Occupants - The ASTM E 1527-05 Standard requires that interviews be performed with a "key site manager" (the owner or occupant of the subject site) and with representatives of building occupants. In accordance with ASTM, an interview will be conducted with a representative of each occupant if the building has five or fewer occupants. If the building contains more than five occupants, an interview will be conducted with those major occupants, as defined by ASTM, and those occupants whose operations could indicate RECs in connection with the subject site. We request that the current owner(s) or representative(s) be notified of our visit and asked to participate in an interview regarding subject site usage and history. If the subject site is abandoned, ASTM requires interviews with one or more owners or occupants of neighboring or nearby properties. Further, as required by the ASTM E 1527-05 Standard, we ask that you request the current site owner to assemble and make available to Haley & Aldrich copies of previous environmental investigation reports and audits of the property, and other information related to storage, use, or release of hazardous substances or petroleum products at the site, such as environmental permits, registrations for tanks, material safety data sheets, or waste disposal records.
4. Interview with State and/or Local Government Officials - Haley & Aldrich may interview one or more state and/or local government officials in conjunction with the state and local government records review with the intention to obtain information indicating RECs in connection with the subject site.
5. Evaluation and Report - Haley & Aldrich will interpret the information and data assembled from work scope items No. 1 through No. 4 above, and will formulate conclusions regarding

evidence of RECs at the subject site and their potential impact on the subject site. We will prepare three copies of a report summarizing the results of our assessment and discussing our conclusions regarding the potential presence and impact of RECs in connection with the subject site, based on the work scope described above.

The report will be prepared in accordance with the standards and practices set forth in 40 CFR Part 312 (the AAI Rule), and consistent with the ASTM E 1527-05 Standard. Documentation supporting the conclusions presented will be appended to the report. As required by ASTM, our final report will include declarations that the Phase I assessment was conducted consistent with the scope and limitations of the ASTM E 1527-05 Standard, and the persons who signed the report meet the definition of environmental professional. In addition, the Phase I assessment report will indicate whether RECs were or were not identified in connection with the subject site, and whether there were data gaps. If data gaps were identified, Haley & Aldrich will indicate whether they are considered significant (i.e., affect our ability to identify conditions indicative of RECs).

#### **USER RESPONSIBILITIES**

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;
- whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and
- whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We request that you provide this information to us for inclusion in our report. Though it is not required by the AAI Rule or the ASTM E 1527-05 Standard that this information be provided to Haley & Aldrich, failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

#### **COSTS**

Services associated with completing work scope items Nos. 1 through 5 will be conducted for a lump sum of \$10,000. That lump sum fee does not include costs related to meetings or lengthy conference calls. Meetings, lengthy conference calls, and other additional services, if required, will be billed separately in accordance with our attached Standard Rate Schedule.



## **SCHEDULE**

We will provide a draft summary of our findings, to include a description of RECs identified, as well as any data failures that may affect our assessment, if applicable, within two weeks following receipt of written authorization to proceed. We will provide a Final copy of our Phase I ESA report for your review within three to four weeks of our receipt of a signed copy of this proposal.

The majority of the information from the Phase I assessment should be available within 2 to 3 weeks of authorization to proceed. Please note, however, that responses to agency records requests may not be received within that time frame. At your discretion, we can either wait for the response to the requests prior to preparing our Final Phase I ESA report, or we can supplement the report with the responses if they are received and contain information that would alter our conclusions.

## **AUTHORIZATION**

Our work scope for this project will be performed in accordance with the standards and practices set forth in 40 CFR Part 312, and consistent with the ASTM E 1527-05 Standard for Phase I ESAs. Organizations other than ASTM have also developed “guidelines” or “standards” for environmental site assessments and the scope of work herein may vary from the specific guidelines or standards issued by other organizations. If this project requires conformance with a guideline or standard other than ASTM, we will be pleased to review our proposal considering the specific requirements, and revise and resubmit this proposal, if necessary.

Our report will be prepared for your exclusive use, solely for the purposes stated in this proposal. The report may not be used or relied upon by any other party, without the prior written permission of Haley & Aldrich. We agree, however, that the report may be conveyed to the District of Columbia Department of General Services, if applicable, subject to their acceptance of the terms of this proposal. Any other use of this report without written authorization of Haley & Aldrich shall be at such other person’s or entity’s sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

No subsurface explorations or chemical analysis of environmental media (e.g., soils or groundwater) will be performed during this assessment. Therefore, our conclusions regarding the evidence of RECs will be based on observations of existing visible conditions, and on our interpretation of subject site history and site usage information. Further, our conclusions regarding the presence of hazardous substances and petroleum products may not be applicable to areas beneath existing structures, unless specific subsurface exploration, sampling, and/or analytical information is available and reviewed by us for such areas.

The ASTM E 1527-05 Standard includes the following list of “additional issues” that are non-scope considerations outside of the scope of the ASTM Phase I practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. Assessment of these items is not included in our proposed work scope. A limited assessment of the presence of PCBs is included in the ASTM work scope. Accordingly, our

assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as "electrical or hydraulic equipment known or likely to contain PCBs, to the extent visually and or physically observed or identified from the interview or records review."

Consulting services will be provided in accordance with our "Standard Terms and Conditions, 2003", which is integral to this proposal.

If the above arrangements are satisfactory to you, please indicate your approval by signing and returning one copy of this proposal. When accepted by you, this proposal together with the attached Terms and Conditions will constitute our Agreement.

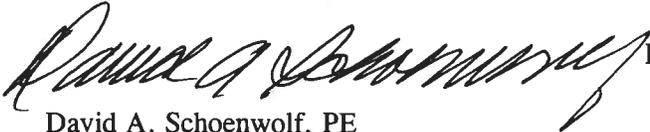
**CLOSING**

Thank you for inviting Haley & Aldrich to submit this proposal. We look forward to our association with you on the project. Should you have any questions regarding the proposal, please do not hesitate to contact us.

Sincerely yours,  
HALEY & ALDRICH, INC.



Gregory B. Grose, PG  
Senior Project Manager



David A. Schoenwolf, PE  
Senior Vice President

This proposal, and the attached "Standard Terms and Conditions, 2003" are understood and accepted:

MCKISSACK & MCKISSACK

By \_\_\_\_\_  
(authorized signature)

By \_\_\_\_\_  
(print or type name)

Title \_\_\_\_\_

Date \_\_\_\_\_

Attachments:  
Standard Terms and Conditions, 2003  
Standard Rate Schedule

**HALEY & ALDRICH**  
**STANDARD RATE SCHEDULE**

<b>Code</b>	<b>Title</b>	<b>2013-R4</b>
110	Senior Vice President	\$ 265
120	Vice President 2	\$ 223
121	Vice President 1	\$ 208
210	Sr. Professional 8	\$ 183
211	Sr. Professional 7	\$ 167
212	Sr. Professional 6	\$ 146
213	Staff Professional 5	\$ 132
214	Staff Professional 4	\$ 121
215	Professional 3	\$ 115
216	Professional 2	\$ 101
217	Professional 1	\$ 96
354	Field /Lab Engr Tech/Geol. 6-8	\$ 99
355	Field /Lab Engr Tech/Geol. 4-5	\$ 86
356	Field /Lab Engr Tech/Geol. 1-3	\$ 79
364	Sr. CAD Operator	\$ 125
365	CAD Operator	\$ 107
910	Office Support	\$ 79

sub mark-up:	15%
expense mark-up	10%
communication fee:	4%

**1. General**

These Standard Terms and Conditions, together with the attached proposal and Standard Fee Schedule, constitute the Agreement between Haley & Aldrich and the entity or person to whom the proposal is addressed ("Client") to perform basic or additional services. The Standard Fee Schedule may be omitted for lump sum type Agreements.

**2. Performance of Services**

Haley & Aldrich's services will be performed in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances. Client agrees that Haley & Aldrich has been engaged to provide professional services only, and that Haley & Aldrich does not owe a fiduciary responsibility to Client. No other warranty, expressed or implied, is included or intended by this Agreement.

**3. Environmental Professional Services**

Haley & Aldrich employees may serve as Environmental Professionals under state or federal programs, which may include rendering opinions regarding site assessments and remediation. In carrying out such functions, the Environmental Professional will select such explorations, data collections, remediation actions or other services which, in the Environmental Professional's opinion, are appropriate, under the statutes and regulations, to establish a basis for such opinion. Client acknowledges that a federal, state or local agency may review, comment and/or audit Haley & Aldrich's services and may require additional site activities, even though Haley & Aldrich and such Environmental Professionals have each performed such services in accordance with the standard of care set forth herein. Client agrees to compensate Haley & Aldrich for services performed in response to such an audit at Haley & Aldrich's billing rates then in effect.

**4. Payment**

Invoices will generally be submitted monthly. Payment will be due within thirty (30) days of invoice date. Interest will be added to accounts in arrears at the rate of one and one-half (1.5) percent per month on the outstanding balance. In the event Haley & Aldrich must engage counsel to enforce overdue payments, Client will reimburse Haley & Aldrich for all reasonable attorney's fees and court costs.

**5. Insurance**

Haley & Aldrich will maintain: workers' compensation insurance as required under the laws of the state in which the services will be performed; commercial general liability insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 in the aggregate for bodily injury, including death and property damage; automobile liability insurance with a combined single limit of \$1,000,000 per occurrence; professional

liability insurance in the amount of \$1,000,000 per claim and in the aggregate; and contractor's pollution liability insurance in the amount of \$1,000,000 per occurrence and in the aggregate. Haley & Aldrich will furnish Client with a certificate of insurance evidencing the coverages listed above and providing thirty (30) days prior written notice in the event of cancellation or material change in coverage.

**6. Confidentiality**

Haley & Aldrich will hold confidential all business and technical information obtained or generated in performing of services under this Agreement. Haley & Aldrich will not disclose such information without Client's consent except to the extent required for: (1) performance of services under this Agreement; (2) compliance with professional standards of conduct for preservation of the public safety, health, and welfare; (3) compliance with any court order, statute, law, or governmental directive; and/or (4) protection of Haley & Aldrich against claims or liabilities arising from the performance of services under this Agreement. Haley & Aldrich's obligations hereunder shall not apply to information in the public domain or lawfully obtained on a non-confidential basis from others.

**7. Ownership of Documents and Processes**

All documents (including drawings, specifications, estimates, field notes, and other data) and all processes (including scientific, technological, software, and other concepts, whether or not patentable) created, prepared, or furnished under this Agreement by Haley & Aldrich, or Haley & Aldrich's independent contractors and consultants pursuant to this Agreement, are instruments of service and shall remain the property of Haley & Aldrich whether or not the Project is completed. Haley & Aldrich shall retain ownership of all documents and processes, and any copyright or right to patent thereto. Client may make and retain copies thereof as is necessary for completion, occupancy or operation of the project by Client or others; however, such documents are not intended or represented to be suitable for additions or alterations to the project, use on any other project or completion of the project without Haley & Aldrich's professional involvement. Any reuse or modification without written verification or adaptation by Haley & Aldrich for the specific purpose intended is at Client's sole risk and without liability or legal exposure to Haley & Aldrich or its independent contractors or consultants. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors, and consultants from all claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting therefrom. Any such verification or adaptation will entitle Haley & Aldrich to further compensation.

## **8. Electronic Media**

Client recognizes that data, plans, specifications, reports, documents, or other information recorded on or transmitted as electronic media are subject to undetectable alteration, either intentional or unintentional. Accordingly, documents provided to Client in electronic media are for informational purposes only and are not an end product. Client agrees to defend, indemnify, and hold Haley & Aldrich harmless from any claims, liabilities, losses or damages arising out of the reuse or alteration of electronic media. Haley & Aldrich makes no warranties, either expressed or implied, regarding the fitness or suitability of the electronic media.

## **9. Suspension of Work and Termination**

Client may, at any time, suspend further work by Haley & Aldrich or terminate this Agreement. Suspension or termination shall be by written notice effective seven (7) days after receipt by Haley & Aldrich. Client agrees to compensate Haley & Aldrich for all services performed and commitments made prior to the effective date of the suspension or termination, together with reimbursable expenses including those of subcontractors, subconsultants, and vendors.

If Client fails to make payment when due for services and reimbursable expenses, Haley & Aldrich may, upon seven (7) days' written notice to Client, suspend performance of services under this Agreement. Unless payment in full is received by Haley & Aldrich within seven (7) days of the date of the notice, the suspension shall take effect without further notice. In the event of a suspension of services, Haley & Aldrich shall have no liability to Client for delay or damage to Client or others because of such suspension of services.

## **10. Force Majeure**

Except for Client's obligation to pay for services rendered, no liability will attach to either party from delay in performance or nonperformance caused by circumstances or events beyond the reasonable control of the party affected, including, but not limited to, acts of God, fire, flood, unanticipated site or subsurface conditions, explosion, war, request or intervention of a governmental authority (foreign or domestic), court order (whether at law or in equity), labor relations, accidents, delays or inability to obtain materials, equipment, fuel or transportation.

Delays within the scope of this article that cumulatively exceed thirty (30) calendar days shall, at the option of either party, make this Agreement subject to termination or renegotiation. Should the Client require that Haley & Aldrich maintain its personnel and equipment available during the delay period, Client agrees to compensate Haley & Aldrich for the additional labor, equipment, and any and all other direct costs associated with Haley & Aldrich in maintaining its personnel on Site during the delay period.

## **11. Mold/Biological Pollutants**

Client agrees that Haley & Aldrich shall have no liability for any claim, direct or indirect, for bodily injury or property damage, including loss of use, arising from, alleged to arise from, or caused by the presence of, or exposure to, any Mold or other Biological Pollutants in or around any structure. In addition, Client shall defend, indemnify, and hold harmless Haley & Aldrich from third-party claims for damages arising from, or alleged to arise from, or caused by the presence of or exposure to, any Mold or other Biological Pollutant in or around any structure, except for damages arising from or caused by Haley & Aldrich's sole negligence.

The term "Mold or other Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the by-products of biological organisms.

## **12. Subsurface Risks**

Client recognizes that special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions. Even a comprehensive sampling and testing program, implemented with appropriate equipment and experienced personnel under the direction of a trained professional who functions in accordance with a professional standard of practice, may fail to detect certain hidden conditions. Environmental, geological, and geotechnical conditions that Haley & Aldrich may infer to exist between sampling points may differ significantly from those that actually exist. The passage of time also must be considered, and Client recognizes that due to natural occurrences or direct or indirect human intervention at or near the site, actual conditions may quickly change. Client realizes that these risks cannot be eliminated altogether, but certain techniques can be applied to reduce them to a level that may be tolerable. The services included in this Agreement are those which Client agreed to, or selected, consistent with Client's risk preferences and other considerations.

## **13. Disclosure of Hazards (Right-to-Know)**

Haley & Aldrich will take reasonable precautions for the health and safety of Haley & Aldrich's employees while at the site. Client will obtain from Site Owner, and furnish to Haley & Aldrich, at the time of Client's authorization to proceed, all available information concerning oil, hazardous, toxic, radioactive or asbestos material in, on or near the site. If a hazardous material or condition is discovered that had not been disclosed to Haley & Aldrich, then, upon notification, Client and Haley & Aldrich shall seek to determine an equitable adjustment to be made to this Agreement. In addition, Client agrees to assume all liability and shall hold Haley & Aldrich harmless from any claims, losses, liabilities or damages arising out of personal injury or death resulting from such hazardous material or condition.

## **14. Public Responsibility**

Client acknowledges that Client or the site owner, as the case may be, is now and shall remain in control of the site

for all purposes at all times. Except as required by law or regulation, Haley & Aldrich will not report to any federal, state, county, or local public agencies having jurisdiction over the subject matter, any conditions existing at the site that may present a danger to public health, safety, or the environment. Client agrees to notify each federal, state, county, and local public agency, as they each may require, of the existence of any condition at the site that may present a potential danger to public health, safety, or the environment.

Notwithstanding the provisions of the foregoing, Haley & Aldrich will comply with subpoenas; judicial orders or government directives; federal, state, county, and local laws, regulations, and ordinances; and codes regarding the reporting to the appropriate public agencies of findings with respect to potential dangers to public health, safety, or the environment. Haley & Aldrich shall have no liability to Client or to any other person or entity for reports or disclosures made in accordance with such requirements. Client shall defend, indemnify, and hold Haley & Aldrich harmless from and against any and all claims, demands, liabilities, and expense, including reasonable attorneys' fees incurred by Haley & Aldrich and arising directly or indirectly out of reporting such information under a bona fide belief or upon advice of counsel that such reporting or disclosure is required by law.

#### **15. Site and Subsurface Investigations**

Client agrees to furnish right of entry and permission for Haley & Aldrich to perform surveys, borings, and other investigations, including subsurface explorations, pursuant to the scope of services. Haley & Aldrich will take reasonable precautions to minimize damage to the property and exercise reasonable care when locating underground structures in the vicinity of proposed subsurface explorations. If Haley & Aldrich is required to restore the property or subsurface conditions or structures to its former condition, the cost plus fifteen (15) percent will be added to the fee. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors and consultants from any and all claims, damages, losses, and expenses (including attorneys' fees), arising out of or resulting from any such damage, except to the extent caused by Haley & Aldrich's negligence.

#### **16. Samples**

Samples of soil, water, waste, rock, or other materials collected from the site will be disposed of 14 days after submission of Haley & Aldrich's report or other deliverables unless Client advises otherwise in writing or unless applicable law requires their retention. We will dispose of such samples by contract with a qualified waste disposal contractor. Client agrees to pay all costs associated with the storage, transport, and disposal of samples, and to indemnify Haley & Aldrich for any liability arising therefrom. If samples must be stored by Haley & Aldrich for a period in excess of 14 days after completion of Haley & Aldrich's report, or other

deliverables, Client agrees to pay an additional fee for storage as determined by Haley & Aldrich. Client recognizes and agrees that Haley & Aldrich is a bailee and assumes no title to said waste or samples nor any responsibility as generator of said waste or samples.

#### **17. Services During Construction**

If Haley & Aldrich provides services including the performance of services during the construction phase of the project, it is understood that the purpose of such services, including visits to the Site, will be to enable Haley & Aldrich to better perform the duties and responsibilities assigned to and undertaken by it as a design professional, and to determine, in general, if construction is proceeding in a manner indicating that the completed work of Contractors will conform generally to the Contract Documents.

Haley & Aldrich shall not, during such visits or as a result of observations of construction, supervise, direct, or have control over Contractors' work nor shall Haley & Aldrich have authority over, or responsibility for, the means, methods, sequences or procedures of construction selected by the Contractors or safety precautions and programs incident to the work of Contractors or for any failure of Contractors to comply with laws, rules, regulations, ordinances, codes or orders applicable to Contractors furnishing and performing their work. Haley & Aldrich does not guarantee the performance of the construction contract by the Contractors, and does not assume responsibility for Contractors' failure to furnish and perform their work in accordance with the Contract Documents.

If Haley & Aldrich's services during construction include shop drawing review, Haley & Aldrich will review (or take other appropriate action with respect to) shop drawings, samples, and other data which Contractors are required to submit, but only for conformance with the design concept of the project and compliance with the information given in the Contract Documents. Such review or other actions shall not extend to means, methods, techniques, sequences, or procedures of manufacture (including the design of manufactured products) or construction, or to safety precautions and programs incident thereto. Haley & Aldrich's review or other actions shall not constitute approval of an assembly or product of which an item is a component, nor shall it relieve the Contractors of (a) their obligations regarding review and approval of any such submittals, and (b) their exclusive responsibility for the means, methods, sequences, and procedures of construction, including safety of construction.

#### **18. Reliance**

Any opinions rendered pursuant to this Agreement are for the sole and exclusive use of Client, and are not intended for the use of, or reliance upon, by any third parties without the prior written approval of Haley & Aldrich. Client agrees to indemnify, hold harmless, and defend

Haley & Aldrich to the fullest extent permitted by law for any claims, losses, or damages allegedly suffered by third parties due to the unauthorized reliance on any opinion provided hereunder.

#### **19. Waiver of Consequential Damages**

Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees, or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, consequential, exemplary or punitive damages arising out of or related to the Services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether active or passive, and strict liability of any protected individual or entity), statute or otherwise.

#### **20. Hazardous Substance Claims**

By authorizing Haley & Aldrich to proceed with the services, Client confirms that Haley & Aldrich has not created nor contributed to the presence of any hazardous substances or conditions at or near the Site. Client recognizes that there is an inherent risk in drilling borings, pushing or driving probes, excavating trenches, or implementing other methods of exploration at or near a site contaminated by hazardous materials. Further, Client recognizes that these are inherent risks even through the exercise of the Standard of Care. Client accepts this risk and agrees to indemnify and hold Haley & Aldrich, and each of Haley & Aldrich's subcontractors, consultants, officers, directors, and employees harmless against any and all claims for damages, costs, or expenses direct or consequential, in connection with a release of hazardous substances, except to the extent that such claims, damages, or losses are adjudicated to have resulted from Haley & Aldrich's gross negligence or willful misconduct in the performance of the services.

#### **21. Limitation of Remedies**

To the fullest extent permitted by law, the total liability of Haley & Aldrich, its officers, directors, and employees to Client, and anyone claiming by, through, or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich's services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an amount of \$50,000 or Haley & Aldrich's fee, whichever is greater.

If Client prefers not to limit Haley & Aldrich's liability to this sum, Haley & Aldrich may increase this limitation upon Client's written request. If Haley & Aldrich approves the request, Haley & Aldrich will agree to increase the limitation to \$100,000, provided that Client agrees to pay \$1,000 for this change. The additional fee is for the additional risk assumed by Haley & Aldrich and is not a charge for additional liability insurance.

#### **22. Dispute Resolution**

If a dispute arises out of or relates to this Agreement or the breach thereof, the parties will attempt in good faith to resolve the dispute through negotiation. If the dispute is not resolved by these negotiations, the matter will be submitted to non-binding mediation with a mutually agreed upon mediator. The parties agree that they will participate in the mediation in good faith, that they will share equally in its costs, and that neither party will commence a civil action with respect to the matters submitted to mediation until after the completion of the initial mediation session.

#### **23. Legal Action**

All legal actions by either party against the other for any cause or causes, including, but not limited to, breach of this Agreement, negligence, misrepresentations, breach of warranty or failure to perform in accordance with the standard of care, however denominated, shall be barred two (2) years from the day after completion of Haley & Aldrich's Services. In the event that Client institutes a suit against Haley & Aldrich, and if such suit is not successfully prosecuted, or if it is dismissed, or if a verdict is rendered for Haley & Aldrich, Client agrees to pay Haley & Aldrich any and all costs of defense, including attorneys' fees, expert witnesses' fees, and court costs and any and all other expenses of defense which may be reasonably necessary, immediately following dismissal of the case or immediately upon judgment being rendered in favor of Haley & Aldrich.

#### **24. Precedence**

These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document.

#### **25. Severability**

If any of these Terms and Conditions are finally determined to be invalid or unenforceable in whole or part, the remaining provisions shall remain in full force and effect, and be binding upon the parties. The parties agree to reform these Terms and Conditions to replace any such invalid or unenforceable provision with a valid and enforceable provision that comes as close as possible to the intention of the stricken provision.

#### **26. Survival**

These conditions shall survive the completion of Haley & Aldrich's services on this project and the termination of services for any cause.

#### **27. Governing Law**

This Agreement shall be governed and construed in accordance with the laws of the state of the contracting office of Haley & Aldrich.

**End of Standard Terms and Conditions**



**McKissack & McKissack**  
**SUBCONTRACT AGREEMENT**

This subcontract agreement is made as of July 9, 2013, between McKissack & McKissack of Washington, Inc., 1401 New York Avenue NW, Suite 900, Washington, DC 20005 and Haley & Aldrich, Inc. located at 7926 Jones Branch Drive, Suite 870, McLean, Virginia 22102

**SCOPE OF SERVICES**

The description of the Scope of Services is attached as Exhibit 1 for Haley & Aldrich, Inc. to perform Phase 1 Environmental Assessment as part of the Feasibility Study for development of the Buzzard Point area in southwest Washington, D.C.

**STANDARD OF CARE**

Haley & Aldrich's services will be performed in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances.

**INSURANCE**

During the term of this subcontract, and for three (3) years thereafter, Haley & Aldrich, Inc. shall maintain insurance in types of coverage limits required by McKissack & McKissack of Washington, Inc. Haley & Aldrich, Inc. shall maintain Employer's Workers Compensation Insurance and Comprehensive General Liability Insurance in such amounts as are customarily carried by similar firms, together with Professional Liability Insurance with a minimum coverage limit of \$1,000,000.

**INDEMNIFICATION**

Haley & Aldrich, Inc. agrees that it will indemnify and hold harmless McKissack & McKissack of Washington, Inc., its officers, directors, and employees, from and against any and all claims, damages, awards and costs of defense to the extent caused by negligent acts, errors and omissions of Haley & Aldrich, Inc., or Haley & Aldrich, Inc.'s independent contractors, agents or employees. McKissack & McKissack of Washington, Inc. agrees that it will indemnify and hold harmless Haley & Aldrich, Inc., its officers, directors and employees, from and against any and all claims, damages, awards and costs of defense caused by the negligent acts of McKissack & McKissack of Washington, Inc. or McKissack & McKissack of Washington's independent contractors, agents or employees.

**TERMINATION**

McKissack & McKissack of Washington, Inc. shall have the right to terminate this subcontract at any time, with or without cause, by written notice to Haley & Aldrich, Inc. Termination shall be effective seven (7) days after the date McKissack & McKissack of Washington Inc.'s notice is mailed or delivered to Haley & Aldrich, Inc. In the event of any termination McKissack & McKissack of Washington, Inc. shall pay Haley & Aldrich, Inc. compensation for services

A handwritten signature in blue ink, located in the bottom right corner of the page.



requested by McKissack & McKissack of Washington, Inc. and rendered prior to the date of termination.

### COMPENSATION

McKissack & McKissack of Washington, Inc. will pay a lump sum fee of \$10,000 in accordance with terms described in Scope of Services. McKissack & McKissack of Washington, Inc. will make payment on Haley & Aldrich, Inc.'s accepted invoice fifteen (15) days after payment is received from the Client but no greater than 90 days from the date of approved invoice.

### AMENDMENTS

This subcontract can be amended only by and in writing signed by both parties and, as may be necessary, as approved by the Client. No oral modification is possible. This subcontract, together with any drawings or specifications issued by McKissack & McKissack of Washington, Inc., states the complete agreement between Haley & Aldrich, Inc. and McKissack & McKissack of Washington, Inc. and replaces any previous understanding, representations or communications, whether oral or written.

### LIMITATION OF REMEDIES

To the fullest extent permitted by law, the total liability of Haley & Aldrich, its officers, directors, and employees to McKissack & McKissack, and anyone claiming by, through, or under McKissack & McKissack, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich's services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an amount of \$50,000 or Haley & Aldrich's fee, whichever is greater.

### WAIVER of CONSEQUENTIAL DAMAGES

Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, consequential, exemplary or punitive damages arising out of or related to the Services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether active or passive, and strict liability of any protected individual or entity), statute or otherwise.

*MK 7/22/13 -*

*ABJ 7/14/13*

ADDITIONAL TERMS & CONDITIONS for ENVIRONMENTAL SERVICES  
Items 3, 6, 11, 12, 13, 14, 15, 16, 18 and 20 of Haley & Aldrich Standard  
Terms and Conditions 2003 in Exhibit 1 are included in this subcontract  
agreement.



*mk*

**IN WITNESS WHEREOF**, Haley & Aldrich, Inc. and McKissack & McKissack of Washington, Inc. have executed this subcontract under seal as of the date set forth above.

**McKissack & McKissack  
of Washington, Inc.**

**Haley & Aldrich, Inc.**

By:  (Seal)  
Mark Babbitt VP Infrastructure

By:   
~~David A. Schoenwolf, Sr. VP~~  
Gregory B. Gruse, VP



EXHIBIT 1



*ML*



Haley & Aldrich, Inc.  
1401 New York Avenue, NW  
Suite 900  
Washington, DC 20005  
Tel: 202-462-2600  
Fax: 202-462-2606  
HaleyAldrich.com

28 June 2013  
File No. 40223-970

McKissack & McKissack  
1401 New York Avenue, NW  
Suite 900  
Washington, DC 20005

Attention: William J. Carlson  
Senior Project Manager

Subject: Proposal for Phase I Environmental Site Assessment  
Potomac Avenue & 1<sup>st</sup> Street SW  
Washington, DC

Ladies and Gentlemen:

Haley & Aldrich, Inc., is pleased to submit this proposal to provide environmental consulting services. This proposal presents our scope of work to perform a Phase I environmental site assessment (Phase I ESA) at the above-referenced site (subject site), using methods consistent with the ASTM E 1527-05 Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process (ASTM E 1527-05 Standard) as referenced in 40 CFR Part 312 (the All Appropriate Inquiries [AAI] Rule).

The completion of this Phase I ESA is only one component of the process required to satisfy the AAI Rule. In addition, the user must adhere to a set of user responsibilities as defined by the ASTM E 1527-05 Standard and the AAI Rule. User responsibilities are discussed below. A user seeking protection from Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) liability as an innocent landowner, bona fide prospective purchaser, or contiguous property owner must complete all components of the AAI process in addition to meeting ongoing obligations. AAI components, CERCLA liability relief, and ongoing obligations are discussed in the AAI Rule and in Appendix XI of the ASTM E 1527-05 Standard.

## **PROJECT UNDERSTANDING AND BACKGROUND**

It is our understanding that McKissack & McKissack is in the process of preparing a Feasibility Study for proposed development of the subject site, and in connection with the Feasibility Study, desires a Phase I ESA of the subject site consistent with the ASTM E 1527-05 Standard practices.

Haley & Aldrich understands the subject site consists of the following parcels bounded by Potomac Avenue, SW, 2<sup>nd</sup> Street, SW, T Street, SW and Half Street, SW:

- Square 0605, Lots 0007 & 0802 (1711 & 1714 1<sup>st</sup> Street, SW)

- Square 0607, Lot 0013
- Square 0661, Lots 0800, 0805 and 0804
- Square 0665, Lot 0024 (1930 1<sup>st</sup> Street, NW)

## PROJECT OBJECTIVES

The objective of a Phase I assessment is to identify known and suspect “recognized environmental conditions” (RECs), historical RECs (HRECs), and *de minimis* conditions associated with the subject site by evaluating site history, existing observable conditions, current site use, and current and former uses of adjoining properties as well as potential releases at surrounding properties that may impact the subject site. RECs are defined in the ASTM E 1527-05 Standard as “the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater, or surface water at the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include *de minimis* conditions that generally do not present a threat to human health or the environment and that generally would not be the subject of an enforcement action if brought to the attention of appropriate governmental agencies.” A material threat is defined by the ASTM E 1527-05 Standard as “a physically observable or obvious threat which is reasonably likely to lead to a release that, in the opinion of the environmental professional, is threatening and might result in impact to public health or the environment.”

Consistent with ASTM E 1527-05 Section 12.5 (Report Format), and for the purposes of this assessment, those RECs that have been identified as being present with respect to the subject site are referred to as Known Recognized Environmental Conditions (KRECs), and those RECs that have been identified as being likely present with respect to the subject site are referred to as Suspect Recognized Environmental Conditions (SRECs). The ASTM E 1527-05 Standard defines HRECs as environmental conditions “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.”

The ASTM E 1527-05 Standard requires an environmental professional’s opinion of the potential impacts of RECs, HRECs, and *de minimis* conditions identified on a site during a Phase I assessment. Our conclusions regarding the potential impact of RECs, HRECs, and *de minimis* on the subject site are intended to help the user evaluate the “business environmental risk” associated with the subject site, defined in the ASTM E 1527-05 Standard as “a risk which can have a material environmental or environmentally-driven impact on the business associated with the current or planned use of a parcel of commercial real estate, not necessarily limited to those environmental issues required to be investigated in this practice. Consideration of business environmental risk issues may involve addressing one or more non-scope considerations...” The non-scope considerations listed in the ASTM E 1527-05 Standard are discussed below in the Authorization section of this proposal.

The Phase I assessment work scope has been developed to be consistent with the ASTM E 1527-05 Standard, based on our current understanding of the subject site. The Phase I assessment consists of four components: Records Review, Site Reconnaissance, Interviews, and Report Preparation.

## SCOPE OF WORK

1. Records Review - Haley & Aldrich will assemble and review readily available information on site history and usage as it relates to the presence of hazardous substances and petroleum products that would constitute RECs on the subject site. The ASTM E 1527-05 Standard lists standard and additional records for review.

We will review information from the mandatory databases within the ASTM-specified approximate minimum search distances. The mandatory databases include: NPL; Delisted NPL; CERCLIS; CERCLIS NFRAP; ERNS; RCRA non-CORRACTS TSD; RCRA CORRACTS TSD; RCRA Generators; Federal Institutional and Engineering Controls; State and Tribal Landfills and Solid Waste Disposal Sites; State and Tribal equivalent NPL and CERCLIS Sites; State and Tribal Registered Storage Tanks; State and Tribal Leaking Storage Tanks; State and Tribal Institutional and Engineering Controls; State and Tribal Voluntary Clean-up Sites; and State and Tribal Brownfields Sites. We intend to use an electronic database service to provide a report summarizing information from the required records, and will rely on the database service to conform to ASTM requirements for currency of the information. Should the database search report identify listed sites with the potential to impact the subject site, Haley & Aldrich may review the federal or state files pertaining to the listed sites, as reasonably ascertainable and practically reviewable. The budget presented below does not include costs for review of files at more than one agency's office.

As required by ASTM, a current 7.5-minute USGS topographic map or equivalent will be used to evaluate the physical setting in the subject site area, and will be supplemented by discretionary review of readily available information concerning surface topography, surface water, soil, bedrock, and groundwater conditions on and in the vicinity of the subject site.

To complete the ASTM records review, Haley & Aldrich may contact one or more of the following agencies concerning the subject site: Health Department, Fire Department, Water Department, Zoning Board, and Engineering Department. We will contact the agencies for information concerning records related to storage, use, or release of hazardous substances or petroleum products that may constitute RECs on the subject site, and will document our contacts in writing.

ASTM requires that "obvious uses" of the subject site be identified from the present back to the first developed use or back to 1940, whichever is earlier. In order to complete that task, Haley & Aldrich will review one or more of the following ASTM-listed standard historical sources: aerial photographs, fire insurance maps, property tax files, recorded land title records, USGS topographic maps, local street directories, building department records, and zoning/land use records. Haley & Aldrich may also review ASTM-listed "other historical sources" including newspaper archives, internet sites, and local libraries and historical societies.

Haley & Aldrich will review reports previously prepared for the subject site, if provided.

Pursuant to the ASTM E 1527-05 Standard, records identified by ASTM as "Additional" or "Other" will be reviewed when, in Haley & Aldrich's judgment, they are (1) reasonably ascertainable; (2) sufficiently useful, accurate, and complete; and (3) generally obtained pursuant to local good commercial or customary practice.

2. Site Reconnaissance - Haley & Aldrich will visit the subject site and view interior and exterior conditions to assess the nature and type of activities that have been conducted with respect to the potential for RECs to be present. Haley & Aldrich will observe and document visible evidence of current and past usage of the subject site, particularly related to potential filling, previous structures, sewage disposal systems, hazardous substances, petroleum products, storage tanks, and evidence of spills or releases of hazardous substances or petroleum products. Conditions of adjoining properties will also be observed from the subject site boundaries and/or public thoroughfares.

We understand that you will make all areas of the subject site accessible to our representative(s) for the site visit. For budgeting purposes, we have assumed that all areas of the subject site will be made accessible and that the site reconnaissance will be conducted in one site visit.

Our observations and conclusions related to the site reconnaissance may be limited by prevailing weather conditions or other conditions at the time of our site visit. Our report will include a discussion of factors limiting our site reconnaissance, if applicable.

3. Interviews with Owners and Occupants - The ASTM E 1527-05 Standard requires that interviews be performed with a "key site manager" (the owner or occupant of the subject site) and with representatives of building occupants. In accordance with ASTM, an interview will be conducted with a representative of each occupant if the building has five or fewer occupants. If the building contains more than five occupants, an interview will be conducted with those major occupants, as defined by ASTM, and those occupants whose operations could indicate RECs in connection with the subject site. We request that the current owner(s) or representative(s) be notified of our visit and asked to participate in an interview regarding subject site usage and history. If the subject site is abandoned, ASTM requires interviews with one or more owners or occupants of neighboring or nearby properties. Further, as required by the ASTM E 1527-05 Standard, we ask that you request the current site owner to assemble and make available to Haley & Aldrich copies of previous environmental investigation reports and audits of the property, and other information related to storage, use, or release of hazardous substances or petroleum products at the site, such as environmental permits, registrations for tanks, material safety data sheets, or waste disposal records.
4. Interview with State and/or Local Government Officials - Haley & Aldrich may interview one or more state and/or local government officials in conjunction with the state and local government records review with the intention to obtain information indicating RECs in connection with the subject site.
5. Evaluation and Report - Haley & Aldrich will interpret the information and data assembled from work scope items No. 1 through No. 4 above, and will formulate conclusions regarding

1/2

evidence of RECs at the subject site and their potential impact on the subject site. We will prepare three copies of a report summarizing the results of our assessment and discussing our conclusions regarding the potential presence and impact of RECs in connection with the subject site, based on the work scope described above.

The report will be prepared in accordance with the standards and practices set forth in 40 CFR Part 312 (the AAI Rule), and consistent with the ASTM E 1527-05 Standard. Documentation supporting the conclusions presented will be appended to the report. As required by ASTM, our final report will include declarations that the Phase I assessment was conducted consistent with the scope and limitations of the ASTM E 1527-05 Standard, and the persons who signed the report meet the definition of environmental professional. In addition, the Phase I assessment report will indicate whether RECs were or were not identified in connection with the subject site, and whether there were data gaps. If data gaps were identified, Haley & Aldrich will indicate whether they are considered significant (i.e., affect our ability to identify conditions indicative of RECs).

#### USER RESPONSIBILITIES

The AAI Rule requires that the user of the report consider the following:

- Whether the user has specialized knowledge about previous ownership or uses of the subject site that may be material to identifying RECs;
- whether the user has determined that the subject site's Title contains environmental liens or other information related to the environmental condition of the property, including engineering and institutional controls and Activity and Use Limitations (AULs), as defined by ASTM;
- whether the user is aware of commonly known or reasonably ascertainable information about the subject site including whether or not the presence of contamination is likely on the subject site and to what degree it can be detected; and
- whether the user has prior knowledge that the price of the subject site has been reduced for environmentally related reasons.

We request that you provide this information to us for inclusion in our report. Though it is not required by the AAI Rule or the ASTM E 1527-05 Standard that this information be provided to Haley & Aldrich, failure on the part of the user to obtain such information for their own records, should it be reasonably ascertainable, may invalidate the user's compliance with the AAI Rule for CERCLA liability protection in the future.

#### COSTS

Services associated with completing work scope items Nos. 1 through 5 will be conducted for a lump sum of \$10,000. That lump sum fee does ~~not~~ include costs related to meeting ~~or lengthy~~ conference calls. Meetings, lengthy conference calls, and other additional services, if required, will be billed separately in accordance with our attached Standard Rate Schedule.

*Handwritten:* MCB 7/11/13

*Handwritten:* NOT EXCEEDING ONE (1) HOUR IN DURATION.

*Handwritten:* Haley & Aldrich w/ 7/11/13  
7/11/13  
ONE (1)  
AND  
7/11/13

*Handwritten:* [Signature]



WHL/11/13  
ABJ 7/11/13  
RECEIVED JULY 9, 2013.

## SCHEDULE

We will provide a draft summary of our findings, to include a description of RECs identified, as well as any data failures that may affect our assessment, if applicable, within two weeks following receipt of written authorization to proceed. We will provide a Final copy of our Phase I ESA report for your review within three to four weeks of our receipt of a signed copy of this proposal.

The majority of the information from the Phase I assessment should be available within 2 to 3 weeks of authorization to proceed. Please note, however, that responses to agency records requests may not be received within that time frame. At your discretion, we can either wait for the response to the requests prior to preparing our Final Phase I ESA report, or we can supplement the report with the responses if they are received and contain information that would alter our conclusions.

## AUTHORIZATION

Our work scope for this project will be performed in accordance with the standards and practices set forth in 40 CFR Part 312, and consistent with the ASTM E 1527-05 Standard for Phase I ESAs. Organizations other than ASTM have also developed "guidelines" or "standards" for environmental site assessments and the scope of work herein may vary from the specific guidelines or standards issued by other organizations. If this project requires conformance with a guideline or standard other than ASTM, we will be pleased to review our proposal considering the specific requirements, and revise and resubmit this proposal, if necessary.

Our report will be prepared for your exclusive use, solely for the purposes stated in this proposal. The report may not be used or relied upon by any other party, without the prior written permission of Haley & Aldrich. We agree, however, that the report may be conveyed to the District of Columbia Department of General Services, if applicable, subject to their acceptance of the terms of this proposal. Any other use of this report without written authorization of Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

No subsurface explorations or chemical analysis of environmental media (e.g., soils or groundwater) will be performed during this assessment. Therefore, our conclusions regarding the evidence of RECs will be based on observations of existing visible conditions, and on our interpretation of subject site history and site usage information. Further, our conclusions regarding the presence of hazardous substances and petroleum products may not be applicable to areas beneath existing structures, unless specific subsurface exploration, sampling, and/or analytical information is available and reviewed by us for such areas.

The ASTM E 1527-05 Standard includes the following list of "additional issues" that are non-scope considerations outside of the scope of the ASTM Phase I practice: asbestos-containing materials, radon, lead-based paint, lead in drinking water, wetlands, regulatory compliance, cultural and historic resources, industrial hygiene, health and safety, ecological resources, endangered species, indoor air quality, bio-agents, and mold. Assessment of these items is not included in our proposed work scope. A limited assessment of the presence of PCBs is included in the ASTM work scope. Accordingly, our

WHL

assessment of the presence of PCBs is limited to those potential sources specified in the ASTM E 1527-05 Standard as "electrical or hydraulic equipment known or likely to contain PCBs, to the extent visually and or physically observed or identified from the interview or records review."

Consulting services will be provided in accordance with our "Standard Terms and Conditions, 2003", which is integral to this proposal.

If the above arrangements are satisfactory to you, please indicate your approval by signing and returning one copy of this proposal. When accepted by you, this proposal together with the attached Terms and Conditions will constitute our Agreement.

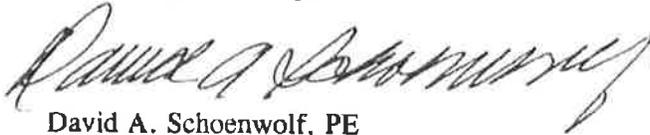
**CLOSING**

Thank you for inviting Haley & Aldrich to submit this proposal. We look forward to our association with you on the project. Should you have any questions regarding the proposal, please do not hesitate to contact us.

Sincerely yours,  
HALEY & ALDRICH, INC.



Gregory B. Grose, PG  
Senior Project Manager



David A. Schoenwolf, PE  
Senior Vice President

This proposal, and the attached "Standard Terms and Conditions, 2003" are understood and accepted:

MCKISSACK & MCKISSACK

By \_\_\_\_\_  
(authorized signature)

By \_\_\_\_\_  
(print or type name)

Title \_\_\_\_\_

Date \_\_\_\_\_

- Attachments:
- Standard Terms and Conditions, 2003
  - Standard Rate Schedule

**HALEY & ALDRICH  
STANDARD RATE SCHEDULE**

<b>Code</b>	<b>Title</b>	<b>2013-R4</b>
110	Senior Vice President	\$ 265
120	Vice President 2	\$ 223
121	Vice President 1	\$ 208
210	Sr. Professional 8	\$ 183
211	Sr. Professional 7	\$ 167
212	Sr. Professional 6	\$ 146
213	Staff Professional 5	\$ 132
214	Staff Professional 4	\$ 121
215	Professional 3	\$ 115
216	Professional 2	\$ 101
217	Professional 1	\$ 96
354	Field /Lab Engr Tech/Geol. 6-8	\$ 99
355	Field /Lab Engr Tech/Geol. 4-5	\$ 86
356	Field /Lab Engr Tech/Geol. 1-3	\$ 79
364	Sr. CAD Operator	\$ 125
365	CAD Operator	\$ 107
910	Office Support	\$ 79

sub mark-up: 15%  
expense mark-up 10%  
communication fee: 4%

**1. General**

These Standard Terms and Conditions, together with the attached proposal and Standard Fee Schedule, constitute the Agreement between Haley & Aldrich and the entity or person to whom the proposal is addressed ("Client") to perform basic or additional services. The Standard Fee Schedule may be omitted for lump sum type Agreements.

**2. Performance of Services**

Haley & Aldrich's services will be performed in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances. Client agrees that Haley & Aldrich has been engaged to provide professional services only, and that Haley & Aldrich does not owe a fiduciary responsibility to Client. No other warranty, expressed or implied, is included or intended by this Agreement.

**3. Environmental Professional Services**

Haley & Aldrich employees may serve as Environmental Professionals under state or federal programs, which may include rendering opinions regarding site assessments and remediation. In carrying out such functions, the Environmental Professional will select such explorations, data collections, remediation actions or other services which, in the Environmental Professional's opinion, are appropriate, under the statutes and regulations, to establish a basis for such opinion. Client acknowledges that a federal, state or local agency may review, comment and/or audit Haley & Aldrich's services and may require additional site activities, even though Haley & Aldrich and such Environmental Professionals have each performed such services in accordance with the standard of care set forth herein. Client agrees to compensate Haley & Aldrich for services performed in response to such an audit at Haley & Aldrich's billing rates then in effect.

**4. Payment**

Invoices will generally be submitted monthly. Payment will be due within thirty (30) days of invoice date. Interest will be added to accounts in arrears at the rate of one and one-half (1.5) percent per month on the outstanding balance. In the event Haley & Aldrich must engage counsel to enforce overdue payments, Client will reimburse Haley & Aldrich for all reasonable attorney's fees and court costs.

**5. Insurance**

Haley & Aldrich will maintain: workers' compensation insurance as required under the laws of the state in which the services will be performed; commercial general liability insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 in the aggregate for bodily injury, including death and property damage; automobile liability insurance with a combined single limit of \$1,000,000 per occurrence; professional

liability insurance in the amount of \$1,000,000 per claim and in the aggregate; and contractor's pollution liability insurance in the amount of \$1,000,000 per occurrence and in the aggregate. Haley & Aldrich will furnish Client with a certificate of insurance evidencing the coverages listed above and providing thirty (30) days prior written notice in the event of cancellation or material change in coverage.

**6. Confidentiality**

Haley & Aldrich will hold confidential all business and technical information obtained or generated in performing of services under this Agreement. Haley & Aldrich will not disclose such information without Client's consent except to the extent required for: (1) performance of services under this Agreement; (2) compliance with professional standards of conduct for preservation of the public safety, health, and welfare; (3) compliance with any court order, statute, law, or governmental directive; and/or (4) protection of Haley & Aldrich against claims or liabilities arising from the performance of services under this Agreement. Haley & Aldrich's obligations hereunder shall not apply to information in the public domain or lawfully obtained on a non-confidential basis from others.

**7. Ownership of Documents and Processes**

All documents (including drawings, specifications, estimates, field notes, and other data) and all processes (including scientific, technological, software, and other concepts, whether or not patentable) created, prepared, or furnished under this Agreement by Haley & Aldrich, or Haley & Aldrich's independent contractors and consultants pursuant to this Agreement, are instruments of service and shall remain the property of Haley & Aldrich whether or not the Project is completed. Haley & Aldrich shall retain ownership of all documents and processes, and any copyright or right to patent thereto. Client may make and retain copies thereof as is necessary for completion, occupancy or operation of the project by Client or others; however, such documents are not intended or represented to be suitable for additions or alterations to the project, use on any other project or completion of the project without Haley & Aldrich's professional involvement. Any reuse or modification without written verification or adaptation by Haley & Aldrich for the specific purpose intended is at Client's sole risk and without liability or legal exposure to Haley & Aldrich or its independent contractors or consultants. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors, and consultants from all claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting therefrom. Any such verification or adaptation will entitle Haley & Aldrich to further compensation.

## 8. Electronic Media

Client recognizes that data, plans, specifications, reports, documents, or other information recorded on or transmitted as electronic media are subject to undetectable alteration, either intentional or unintentional. Accordingly, documents provided to Client in electronic media are for informational purposes only and are not an end product. Client agrees to defend, indemnify, and hold Haley & Aldrich harmless from any claims, liabilities, losses or damages arising out of the reuse or alteration of electronic media. Haley & Aldrich makes no warranties, either expressed or implied, regarding the fitness or suitability of the electronic media.

## 9. Suspension of Work and Termination

Client may, at any time, suspend further work by Haley & Aldrich or terminate this Agreement. Suspension or termination shall be by written notice effective seven (7) days after receipt by Haley & Aldrich. Client agrees to compensate Haley & Aldrich for all services performed and commitments made prior to the effective date of the suspension or termination, together with reimbursable expenses including those of subcontractors, subconsultants, and vendors.

If Client fails to make payment when due for services and reimbursable expenses, Haley & Aldrich may, upon seven (7) days' written notice to Client, suspend performance of services under this Agreement. Unless payment in full is received by Haley & Aldrich within seven (7) days of the date of the notice, the suspension shall take effect without further notice. In the event of a suspension of services, Haley & Aldrich shall have no liability to Client for delay or damage to Client or others because of such suspension of services.

## 10. Force Majeure

Except for Client's obligation to pay for services rendered, no liability will attach to either party from delay in performance or nonperformance caused by circumstances or events beyond the reasonable control of the party affected, including, but not limited to, acts of God, fire, flood, unanticipated site or subsurface conditions, explosion, war, request or intervention of a governmental authority (foreign or domestic), court order (whether at law or in equity), labor relations, accidents, delays or inability to obtain materials, equipment, fuel or transportation.

Delays within the scope of this article that cumulatively exceed thirty (30) calendar days shall, at the option of either party, make this Agreement subject to termination or renegotiation. Should the Client require that Haley & Aldrich maintain its personnel and equipment available during the delay period, Client agrees to compensate Haley & Aldrich for the additional labor, equipment, and any and all other direct costs associated with Haley & Aldrich in maintaining its personnel on Site during the delay period.

## 11. Mold/Biological Pollutants

Client agrees that Haley & Aldrich shall have no liability for any claim, direct or indirect, for bodily injury or property damage, including loss of use, arising from, alleged to arise from, or caused by the presence of, or exposure to, any Mold or other Biological Pollutants in or around any structure. In addition, Client shall defend, indemnify, and hold harmless Haley & Aldrich from third-party claims for damages arising from, or alleged to arise from, or caused by the presence of or exposure to, any Mold or other Biological Pollutant in or around any structure, except for damages arising from or caused by Haley & Aldrich's sole negligence.

The term "Mold or other Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the by-products of biological organisms.

## 12. Subsurface Risks

Client recognizes that special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions. Even a comprehensive sampling and testing program, implemented with appropriate equipment and experienced personnel under the direction of a trained professional who functions in accordance with a professional standard of practice, may fail to detect certain hidden conditions. Environmental, geological, and geotechnical conditions that Haley & Aldrich may infer to exist between sampling points may differ significantly from those that actually exist. The passage of time also must be considered, and Client recognizes that due to natural occurrences or direct or indirect human intervention at or near the site, actual conditions may quickly change. Client realizes that these risks cannot be eliminated altogether, but certain techniques can be applied to reduce them to a level that may be tolerable. The services included in this Agreement are those which Client agreed to, or selected, consistent with Client's risk preferences and other considerations.

## 13. Disclosure of Hazards (Right-to-Know)

Haley & Aldrich will take reasonable precautions for the health and safety of Haley & Aldrich's employees while at the site. Client will obtain from Site Owner, and furnish to Haley & Aldrich, at the time of Client's authorization to proceed, all available information concerning oil, hazardous, toxic, radioactive or asbestos material in, on or near the site. If a hazardous material or condition is discovered that had not been disclosed to Haley & Aldrich, then, upon notification, Client and Haley & Aldrich shall seek to determine an equitable adjustment to be made to this Agreement. In addition, Client agrees to assume all liability and shall hold Haley & Aldrich harmless from any claims, losses, liabilities or damages arising out of personal injury or death resulting from such hazardous material or condition.

## 14. Public Responsibility

Client acknowledges that Client or the site owner, as the case may be, is now and shall remain in control of the site

for all purposes at all times. Except as required by law or regulation, Haley & Aldrich will not report to any federal, state, county, or local public agencies having jurisdiction over the subject matter, any conditions existing at the site that may present a danger to public health, safety, or the environment. Client agrees to notify each federal, state, county, and local public agency, as they each may require, of the existence of any condition at the site that may present a potential danger to public health, safety, or the environment.

Notwithstanding the provisions of the foregoing, Haley & Aldrich will comply with subpoenas; judicial orders or government directives; federal, state, county, and local laws, regulations, and ordinances; and codes regarding the reporting to the appropriate public agencies of findings with respect to potential dangers to public health, safety, or the environment. Haley & Aldrich shall have no liability to Client or to any other person or entity for reports or disclosures made in accordance with such requirements. Client shall defend, indemnify, and hold Haley & Aldrich harmless from and against any and all claims, demands, liabilities, and expense, including reasonable attorneys' fees incurred by Haley & Aldrich and arising directly or indirectly out of reporting such information under a bona fide belief or upon advice of counsel that such reporting or disclosure is required by law.

#### **15. Site and Subsurface Investigations**

Client agrees to furnish right of entry and permission for Haley & Aldrich to perform surveys, borings, and other investigations, including subsurface explorations, pursuant to the scope of services. Haley & Aldrich will take reasonable precautions to minimize damage to the property and exercise reasonable care when locating underground structures in the vicinity of proposed subsurface explorations. If Haley & Aldrich is required to restore the property or subsurface conditions or structures to its former condition, the cost plus fifteen (15) percent will be added to the fee. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors and consultants from any and all claims, damages, losses, and expenses (including attorneys' fees), arising out of or resulting from any such damage, except to the extent caused by Haley & Aldrich's negligence.

#### **16. Samples**

Samples of soil, water, waste, rock, or other materials collected from the site will be disposed of 14 days after submission of Haley & Aldrich's report or other deliverables unless Client advises otherwise in writing or unless applicable law requires their retention. We will dispose of such samples by contract with a qualified waste disposal contractor. Client agrees to pay all costs associated with the storage, transport, and disposal of samples, and to indemnify Haley & Aldrich for any liability arising therefrom. If samples must be stored by Haley & Aldrich for a period in excess of 14 days after completion of Haley & Aldrich's report, or other

deliverables, Client agrees to pay an additional fee for storage as determined by Haley & Aldrich. Client recognizes and agrees that Haley & Aldrich is a bailee and assumes no title to said waste or samples nor any responsibility as generator of said waste or samples.

#### **17. Services During Construction**

If Haley & Aldrich provides services including the performance of services during the construction phase of the project, it is understood that the purpose of such services, including visits to the Site, will be to enable Haley & Aldrich to better perform the duties and responsibilities assigned to and undertaken by it as a design professional, and to determine, in general, if construction is proceeding in a manner indicating that the completed work of Contractors will conform generally to the Contract Documents.

Haley & Aldrich shall not, during such visits or as a result of observations of construction, supervise, direct, or have control over Contractors' work nor shall Haley & Aldrich have authority over, or responsibility for, the means, methods, sequences or procedures of construction selected by the Contractors or safety precautions and programs incident to the work of Contractors or for any failure of Contractors to comply with laws, rules, regulations, ordinances, codes or orders applicable to Contractors furnishing and performing their work. Haley & Aldrich does not guarantee the performance of the construction contract by the Contractors, and does not assume responsibility for Contractors' failure to furnish and perform their work in accordance with the Contract Documents.

If Haley & Aldrich's services during construction include shop drawing review, Haley & Aldrich will review (or take other appropriate action with respect to) shop drawings, samples, and other data which Contractors are required to submit, but only for conformance with the design concept of the project and compliance with the information given in the Contract Documents. Such review or other actions shall not extend to means, methods, techniques, sequences, or procedures of manufacture (including the design of manufactured products) or construction, or to safety precautions and programs incident thereto. Haley & Aldrich's review or other actions shall not constitute approval of an assembly or product of which an item is a component, nor shall it relieve the Contractors of (a) their obligations regarding review and approval of any such submittals, and (b) their exclusive responsibility for the means, methods, sequences, and procedures of construction, including safety of construction.

#### **18. Reliance**

Any opinions rendered pursuant to this Agreement are for the sole and exclusive use of Client, and are not intended for the use of, or reliance upon, by any third parties without the prior written approval of Haley & Aldrich. Client agrees to indemnify, hold harmless, and defend

Haley & Aldrich to the fullest extent permitted by law for any claims, losses, or damages allegedly suffered by third parties due to the unauthorized reliance on any opinion provided hereunder.

#### **19. Waiver of Consequential Damages**

Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees, or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, consequential, exemplary or punitive damages arising out of or related to the Services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether active or passive, and strict liability of any protected individual or entity), statute or otherwise.

#### **20. Hazardous Substance Claims**

By authorizing Haley & Aldrich to proceed with the services, Client confirms that Haley & Aldrich has not created nor contributed to the presence of any hazardous substances or conditions at or near the Site. Client recognizes that there is an inherent risk in drilling borings, pushing or driving probes, excavating trenches, or implementing other methods of exploration at or near a site contaminated by hazardous materials. Further, Client recognizes that these are inherent risks even through the exercise of the Standard of Care. Client accepts this risk and agrees to indemnify and hold Haley & Aldrich, and each of Haley & Aldrich's subcontractors, consultants, officers, directors, and employees harmless against any and all claims for damages, costs, or expenses direct or consequential, in connection with a release of hazardous substances, except to the extent that such claims, damages, or losses are adjudicated to have resulted from Haley & Aldrich's gross negligence or willful misconduct in the performance of the services.

#### **21. Limitation of Remedies**

To the fullest extent permitted by law, the total liability of Haley & Aldrich, its officers, directors, and employees to Client, and anyone claiming by, through, or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich's services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an amount of \$50,000 or Haley & Aldrich's fee, whichever is greater.

If Client prefers not to limit Haley & Aldrich's liability to this sum, Haley & Aldrich may increase this limitation upon Client's written request. If Haley & Aldrich approves the request, Haley & Aldrich will agree to increase the limitation to \$100,000, provided that Client agrees to pay \$1,000 for this change. The additional fee is for the additional risk assumed by Haley & Aldrich and is not a charge for additional liability insurance.

#### **22. Dispute Resolution**

If a dispute arises out of or relates to this Agreement or the breach thereof, the parties will attempt in good faith to resolve the dispute through negotiation. If the dispute is not resolved by these negotiations, the matter will be submitted to non-binding mediation with a mutually agreed upon mediator. The parties agree that they will participate in the mediation in good faith, that they will share equally in its costs, and that neither party will commence a civil action with respect to the matters submitted to mediation until after the completion of the initial mediation session.

#### **23. Legal Action**

All legal actions by either party against the other for any cause or causes, including, but not limited to, breach of this Agreement, negligence, misrepresentations, breach of warranty or failure to perform in accordance with the standard of care, however denominated, shall be barred two (2) years from the day after completion of Haley & Aldrich's Services. In the event that Client institutes a suit against Haley & Aldrich, and if such suit is not successfully prosecuted, or if it is dismissed, or if a verdict is rendered for Haley & Aldrich, Client agrees to pay Haley & Aldrich any and all costs of defense, including attorneys' fees, expert witnesses' fees, and court costs and any and all other expenses of defense which may be reasonably necessary, immediately following dismissal of the case or immediately upon judgment being rendered in favor of Haley & Aldrich.

#### **24. Precedence**

These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document.

#### **25. Severability**

If any of these Terms and Conditions are finally determined to be invalid or unenforceable in whole or part, the remaining provisions shall remain in full force and effect, and be binding upon the parties. The parties agree to reform these Terms and Conditions to replace any such invalid or unenforceable provision with a valid and enforceable provision that comes as close as possible to the intention of the stricken provision.

#### **26. Survival**

These conditions shall survive the completion of Haley & Aldrich's services on this project and the termination of services for any cause.

#### **27. Governing Law**

This Agreement shall be governed and construed in accordance with the laws of the state of the contracting office of Haley & Aldrich.

**End of Standard Terms and Conditions**



**McKissack & McKissack**  
**SUBCONTRACT AGREEMENT**

This subcontract agreement is made as of <sup>Oct 30</sup> October 28, 2013, between McKissack & McKissack of Washington, Inc., 901 K Street NW, 6<sup>th</sup> Floor, Washington, DC 20001 and Haley & Aldrich, Inc. located at 7926 Jones Branch Road, Suite 870, McLean, Virginia 22102.

**SCOPE OF SERVICES**

Haley & Aldrich, Inc., shall perform a Limited Phase II environmental site assessment for development of the Buzzard Point area in southwest Washington, DC, as more fully described in the 24 September 2013 letter proposal attached as Exhibit 1.

**STANDARD OF CARE**

Haley & Aldrich, Inc. agrees that its services will be rendered in accordance with generally accepted practices of engineers and/ or scientists providing similar services at the same time, in the same locale, and under like circumstances.

**INSURANCE**

During the term of this subcontract, and for three (3) years thereafter, Haley & Aldrich, Inc. shall maintain insurance in types of coverage limits required by McKissack & McKissack of Washington, Inc. under its prime agreement. If there is not a prime agreement or the prime agreement does not specify insurance requirements, Haley & Aldrich, Inc. shall maintain Employer's Workers Compensation Insurance and Comprehensive General Liability Insurance in such amounts as are customarily carried by similar firms, together with Professional Liability Insurance with a minimum coverage limit of \$1,000,000.

**INDEMNIFICATION**

Haley & Aldrich, Inc. agrees that it will indemnify and hold harmless McKissack & McKissack of Washington, Inc., its officers, directors, and employees, from and against any and all claims, damages, awards and costs of defense caused by negligent acts of Haley & Aldrich, Inc., or Haley & Aldrich, Inc.'s independent contractors, agents or employees. McKissack & McKissack of Washington, Inc. agrees that it will indemnify and hold harmless Haley & Aldrich, Inc., its officers, directors and employees, from and against any and all claims, damages, awards and costs of defense caused by the negligent acts of McKissack & McKissack of Washington, Inc. or McKissack & McKissack of Washington's independent contractors, agents or employees.

*M*



## **TERMINATION**

McKissack & McKissack of Washington, Inc. shall have the right to terminate this subcontract at any time, with or without cause, by written notice to Haley & Aldrich, Inc. Termination shall be effective seven (7) days after the date McKissack & McKissack of Washington Inc.'s notice is mailed or delivered to Haley & Aldrich, Inc. In the event of any termination McKissack & McKissack of Washington, Inc. shall pay Haley & Aldrich, Inc. compensation for services requested by McKissack & McKissack of Washington, Inc. and rendered prior to the date of termination, to the extent that payments are received from the Client for Haley & Aldrich, Inc.'s work.

## **TERMS AND CONDITIONS**

The attached McKissack & McKissack "Subcontract Agreement Terms and Conditions of Agreement" ("Exhibit 2") are hereby included in this agreement.

## **COMPENSATION**

McKissack & McKissack of Washington, Inc. will pay Haley & Aldrich, Inc. in accordance with terms described in Exhibit I, attached. McKissack & McKissack of Washington, Inc. will make payment on Haley & Aldrich, Inc.'s accepted invoice fifteen (15) days after payment is received from the Client.

## **AMENDMENTS**

This subcontract can be amended only by and in writing signed by both parties and, as may be necessary, as approved by the Client. No oral modification is possible. This subcontract, together with any drawings or specifications issued by McKissack & McKissack of Washington, Inc., states the complete agreement between Haley & Aldrich, Inc. and McKissack & McKissack of Washington, Inc. and replaces any previous understanding, representations or communications, whether oral or written.

## **LIMITATION OF REMEDIES**

To the fullest extent permitted by law, the total liability of Haley & Aldrich, Inc., its officers, directors, and employees to McKissack & McKissack of Washington, Inc., and anyone claiming by, through, or under McKissack & McKissack of Washington, Inc., for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich, Inc.'s services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an amount of \$50,000 or Haley & Aldrich, Inc.'s fee, whichever is greater.

## **WAIVER of CONSEQUENTIAL DAMAGES**

Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, consequential, exemplary or punitive damages arising out of or related to the Services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether

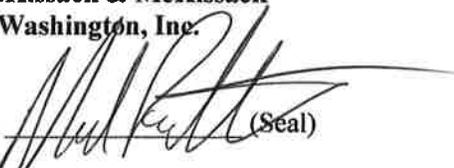
WZ

active or passive, and strict liability of any protected individual or entity), statute or otherwise.

**ADDITIONAL TERMS & CONDITIONS for ENVIRONMENTAL SERVICES**  
Items 3, 6, 11, 12, 13, 14, 15, 16, 18 and 20 of Haley & Aldrich, Inc.'s Standard Terms and Conditions 2003 in Exhibit 1 are included in this subcontract agreement.

**IN WITNESS WHEREOF**, Haley & Aldrich, Inc. and McKissack & McKissack of Washington, Inc. have executed this Subcontract under seal as of the date set forth above.

**McKissack & McKissack  
of Washington, Inc.**

By  (Seal)

Mark Babbitt, VP Infrastructure

**Haley & Aldrich, Inc.**

By  (Seal)

Gregory B. Grose Vice President  
(Printed name and title)



Exhibit 1  
Haley & Aldrich Letter Proposal  
24 September 2013



24 September 2013  
File No. 40223-971

McKissack & McKissack  
901 K Street, NW 6<sup>th</sup> Floor  
Washington, DC 20001

Attention: James Beall

Subject: Proposal for Limited Phase II Environmental Site Assessment  
Buzzard Point (S Street and 1<sup>st</sup> Street, Southwest)  
Washington, DC

Ladies and Gentlemen:

Haley & Aldrich, Inc. is pleased to submit this proposal to perform a Limited Phase II environmental site assessment (Phase II ESA) at the above-referenced site (subject site).

## **PROJECT UNDERSTANDING**

Haley & Aldrich understands that McKissack & McKissack is in the process of preparing a Feasibility Study for potential development of the subject site as a professional soccer stadium and associated parking garage. We also understand that a Phase II ESA is needed to assess the potential cost and schedule impacts of Recognized Environmental Conditions (RECs) identified during a Phase I ESA conducted by Haley & Aldrich on the proposed development.

The subject site consists of the following parcels bounded by Potomac Avenue, SW, 2<sup>nd</sup> Street, SW, T Street, SW and Half Street, SW:

- Square 0605, Lots 0007 & 0802 (1711 & 1714 1<sup>st</sup> Street, SW)
- Square 0607, Lot 0013
- Square 0661, Lots 0800, 0805 and 0804
- Square 0665, Lot 0024 (1930 1<sup>st</sup> Street, NW)

## **BACKGROUND**

Eighteen (18) RECs, including; 12 suspected RECs (SRECs) and 6 historic RECs (HRECs) were identified during our Phase I ESA. The following SRECs were identified during the Phase I ESA.

### **Suspect Recognized Environmental Conditions**

**SREC #1:** Potentially unlined/unpaved sump at Square 0605, Lot 0802  
**Potential Impact:** Medium

**Explanation:** On-site stormwater and spills are captured and pumped to a sump in the southwestern portion of the lot before being disposed off-site by a licensed contractor. The sump contained large quantities of oily liquid during the subject site visit and it was not possible to ascertain whether the sump was lined and/or confirm the integrity of the lining. A potential therefore exists for hydrocarbons to migrate from the sump to the subsurface.

**SREC #2:** Heavy staining of concrete at Square 0605, Lot 0802

**Potential Impact:** Medium

**Explanation:** Heavy concrete staining was observed at many locations at this lot. The concrete was in moderate to good condition where visible. In other areas, for example the area surrounding the sump's pump, the staining was too thick to confirm the integrity of the concrete. A potential therefore exists for hydrocarbons to migrate to underlying soil and groundwater.

**SREC #3:** Oil layer in secondary containment under aboveground storage tanks (ASTs) at Square 0605, Lot 0802

**Potential Impact:** Medium

**Explanation:** A thick layer of oil was observed at the bottom of the secondary containment for AST tanks in the eastern portion of this property. It is understood that the flooring of the containment is paved with concrete. However, the integrity of the concrete could not be confirmed. A potential therefore exists for hydrocarbons to migrate to underlying soil and groundwater.

**SREC #4:** Concrete staining in area of an AST at Square 0605, Lot 0802

**Potential Impact:** Medium

**Explanation:** Concrete staining on paving next to an AST was observed in the northern portion of this property. The concrete paving was in relatively good condition during the subject site visit. However a large quantity of waste had been dumped immediately adjacent to the AST preventing Haley & Aldrich representatives from confirming the condition of the concrete beneath this waste. A potential exists for oil to migrate through the concrete to underlying soil and groundwater.

**SREC #5:** Large spill at Square 0661, Lot 0800

**Potential Impact:** Medium

**Explanation:** A large spill of an unidentified green substance was observed in the center of this lot. The asphalt paving under the spill was not visible during the subject site visit and its integrity could therefore not be confirmed. The unidentified substance could therefore potentially migrate to underlying soil and groundwater.

**SREC #6:** Minor stains on gravel Square 0607, Lot 0013

**Potential Impact:** Low

**Explanation:** Minor stains potentially caused by hydrocarbons were observed on loose gravel west of the building in the northwestern portion of the lot. The gravel would not act as a barrier to contaminants, which could therefore migrate to the subsurface.

**SREC #7:** Substation operations at Square 665, Lot 0024

**Potential Impact:** High

**Explanation:** Site access was not provided for Square 665, Lot 0024. Due to the age of the substation and the nature of activities taking place, there is a potential for leaks, spills or Polychlorinated Biphenyl (PCB) containing materials to be present at this lot.

**SREC #8:** Potentially leaking AST and underground pipeline

**Potential Impact:** Medium

**Explanation:** A #6 fuel oil AST was installed in the late 1960s at the property immediately south of the subject site at Square 0609, Lot 0804; and Square 0611, Lots 19 & 10. An underground pipeline was used to connect the AST to the nearby Generating Station. The AST was decommissioned and the underground pipeline filled in 1981. No information regarding releases from the AST or pipeline is known. The site was also employed for bulk fuel storage and vehicle and equipment maintenance and storage. Two independent sampling programs conducted in 2005 indicated that soil and groundwater was affected by petroleum hydrocarbon releases. It is unknown whether more recent studies have been performed and whether soil and groundwater are still impacted.

**SREC #9:** Open LUST case adjacent to subject site at 1812 Half St., SW

**Potential Impact:** Medium

**Explanation:** A LUST entry (case # 95015) in December 1994 reportedly impacted soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site.

**SREC #10:** Open LUST case adjacent to subject site at 1601 S Capitol St., SW

**Potential Impact:** Medium

**Explanation:** A LUST entry (case # 2013006) for a release listed as heating oil, gasoline, diesel fuel from a UST in April 2013 reported impacts to soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted by the LUST and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site.

**SREC #11:** Open LUST case adjacent to subject site at 1625 S. Capitol St., SW

**Potential Impact:** Medium

**Explanation:** A LUST entry (case # 2013005) associated with the release of heating oil, gasoline or diesel fuel from a UST in March 2013 reported impacts to soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on groundwater being impacted by the LUST and the tidal influence of the area, a potential exists for impacted groundwater to migrate under the subject site.

**SREC #12:** Open LUST case adjacent to subject site at 1721 S. Capitol Street, SW

**Potential Impact:** Medium

**Explanation:** A LUST entry (case # 87012) for a release listed as gasoline/heating oil from the UST was reported in September 1987. The LUST reportedly impacted soil and groundwater. The status of the release is listed as open. No additional information related to this case is available. Based on the status of the LUST entry and the tidal influence of the area, this release may be adversely affecting the subject property.

### HISTORICAL RECs

The ASTM E 1527-05 Standard defines an HREC as an environmental condition “which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently.” The Phase I originally revealed one known REC (KREC) and five HRECs, however, we have located a No-Further Action Letter (NFA) from the District Department of the Environment (DDOE) regarding the KREC (Case #93051 at Square 0661, Lot 0804). Therefore, this REC has been re-categorized from a known REC (KREC) to an historic REC (HREC #6). The following HRECs were identified during the Phase I ESA.

**HREC #1:** An on-site 20,000 gallon gasoline LUST (case # 93094) at Square 0607, Lot 0013 historically impacted soil and groundwater under the subject site and was reported in August 1993. The LUST case received regulatory closure in May 1994. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #2:** LUST case # 92076 at Square 0605, Lot 0007 is associated with a gasoline LUST that historically impacted soil and groundwater under the subject site. The status of the LUST release is listed as closed. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #3:** LUST case # 96030 at Square 0605, Lots 0802, owned by Super Salvage, Inc., and related to a tank containing gasoline was reported to be impacting soil and was granted regulatory closure. Based on its status and impacts being limited to soil, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #4:** A LUST case was reported at Metro Building Supply, 50 Q Street, SW. A release from the gasoline UST was reported in June 1991, impacting soil and groundwater. The status of the release is listed as No Further Action (NFA). Based on its status, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

**HREC #5:** A LUST case was reported at Opportunity Concrete Garage, 1601 S Capitol St., SW. The LUST entry was associated with the release of gasoline from an UST in November 1993 reportedly impacted soil. The status of this release is listed as closed. Based on the status of the LUST entry and impacts being limited to soil, the gasoline release does not present a threat to human health or the environment under current site conditions and is unlikely to require additional regulatory action.

**HREC #6:** Open Leaking Underground Storage Tank (LUST) case # 93051 in Square 665, Lot 0024, Potomac Electric Power Company (PEPCO) Generating Station. In 1993, significant gasoline and diesel fuel contamination was discovered in soil and groundwater on the northern portion of Square 665, Lot 0024. PEPCO performed monitoring and remediation activities during the 1990s, removing more than 1,000 gallons of liquid-phase hydrocarbons (LPH). However, the latest groundwater sampling data reviewed in a 2005 Phase I ESA indicated that total petroleum hydrocarbons and benzene, toluene, ethylbenzene and xylenes were above applicable regulatory standards in certain monitoring wells. Based on its status, impacts from the LUST do not present a threat to human health or the environment under current site conditions and it is unlikely that the LUST will require additional regulatory action.

## **PROJECT OBJECTIVES**

The objective of the Phase II assessment is to evaluate the potential impact of RECs identified during the Phase I ESA on future site development. The Phase II ESA will be limited to providing order of magnitude cost and schedule estimates for detected subsurface environmental conditions on the proposed development.

## **SCOPE OF WORK**

### **Task No. 1 - Work Plan Development**

A Freedom of Information Act request was submitted regarding applicable regulatory files for the site and adjacent properties and Haley & Aldrich will subsequently schedule a visit to DDOE to review available files. The objective of our files review will be to identify tank and spill locations and review other applicable information that will guide our sampling plan. Haley & Aldrich will develop a Work Plan that presents our sampling approach, provides data quality objectives, our sampling plan and analytical schedule. We will submit a DRAFT copy of the Work Plan to DDOE for review and incorporate one round of edits into a FINAL Work Plan for the Site.

Concurrent with Work Plan review, Haley & Aldrich will submit a drilling permit application for approval. Upon approval of the Work Plan, we will contact Miss Utility to have publically maintained subsurface utilities marked in the field. Haley & Aldrich will also contract a third-party utility locator



to clear proposed boring locations. We will prepare a site-specific Health and Safety Plan (HASP) to be utilized by our field personnel.

## **Task No. 2 - Field Sampling and Analysis**

### **Soil Sampling & Analysis**

Haley & Aldrich will subcontract a qualified driller (we have budgeted 7 days for a Geoprobe® and operator) to advance up to 24 soil borings to depths ranging from 5 to 20 feet below grade. The 24 locations will be distributed among the lots as follows:

- 9 soil borings at Square 0605, Lot 0802 (Super Salvage)
- 2 soil borings at Square 0605, Lot 0007 (Rollingwood)
- 3 soil borings at Square 0607, Lot 0013 (Akridge)
- 1 soil boring at Square 0661, Lot 0800 (DDOT)
- 4 soil borings at Square 0661, Lot 0805 (PEPCO parking lot)
- 3 soil borings at Square 0661, Lot 0804 (PEPCO former fuel storage)
- 1 soil boring at Square 0665, Lot 0024 (PEPCO Substation)
- 1 floating soil boring to be utilized as needed

Soil samples will be collected from each boring for on-site screening using a photoionization detector (PID). One to two soil samples will be selected for off-site laboratory analysis based upon the PID results, visible staining or odors (if no evidence of impact is observed, then the sample nearest the apparent capillary fringe will be selected). Analytical protocol will be based on potential site contaminants to be detailed in the Work Plan. For budgetary purposes, we have assumed up to 40 soil samples will be analyzed for total petroleum hydrocarbons (TPH) and volatile organic compounds (VOCs). Selected soil samples will be analyzed for priority pollutant metals (up to 24), semi-volatile organic compounds (SVOCs; up to 24) and polychlorinated biphenyls (PCBs; up to 24). Two composite soil samples will be collected from visibly impacted soils on the Super Salvage property for a limited waste characterization analysis.

### **Groundwater Sampling & Analysis**

Selected soil borings will be converted to temporary monitoring well for the purpose of groundwater sampling (for budgetary purposes, we have assumed installation and sampling of up to 18 temporary monitoring wells). Temporary monitoring wells will be distributed among the lots as follows:

- 8 temporary wells at Square 0605, Lot 0802 (Super Salvage)
- 2 temporary wells at Square 0605, Lot 0007 (Rollingwood)
- 1 temporary well at Square 0607, Lot 0013 (Akridge)
- 1 temporary well at Square 0661, Lot 0800 (DDOT)
- 1 temporary wells at Square 0661, Lot 0805 (PEPCO parking lot)
- 3 temporary wells at Square 0661, Lot 0804 (PEPCO former fuel storage)
- 1 temporary well at Square 0665, Lot 0024 (PEPCO Substation)
- 1 floating soil boring/temporary well to be utilized as needed

Analytical protocol will be based on potential site contaminants to be detailed in the Work Plan. For budgetary purposes, we have assumed up to 20 groundwater samples (to include 2 quality assurance samples) will be analyzed for TPH and VOCs. Selected groundwater samples (up to eight) will also be analyzed for priority pollutant metals, SVOCs and PCBs.

### **Investigation Derived Waste Disposal**

Investigation derived waste (IDW; soil cuttings, decontamination water and purge water) generated during the field sampling will be containerized in labeled 55-gallon drums to await analytical results. Following receipt of analytical results, drums of IDW (up to four) will be properly disposed at a licensed facility off-site.

### **Task No. 3 - Phase II ESA Data Report**

Haley & Aldrich will prepare tabulated data summary tables for each media sampled (Soil Analytical Results and Groundwater Analytical Results) with comparisons to potentially applicable regulatory limits. We will provide figures illustrating sample locations, along with an Environmental Impacts Summary Table, indicating additional assessment and remediation that may be required for the proposed development at each lot based upon a range of assumptions. The Environmental Impacts Summary Table will also provide order of magnitude budget and schedule implications for the proposed development based upon the Phase II ESA results. Haley & Aldrich will provide a DRAFT electronic copy of our Phase II ESA report (cover letter, tables, figures and field logs). We will incorporate comments provided by McKissack & McKissack regarding our DRAFT Phase II ESA report in one round of edits. A FINAL Phase II ESA report (three hard copies and one electronic copy) will be provided.

Our report will be prepared for your exclusive use, solely for the purposes stated in this proposal. The report may not be used or relied upon by any other party, without the prior written permission of Haley & Aldrich. We agree, however, that the report may be conveyed to the District of Columbia Department of General Services, if applicable, subject to their acceptance of the terms of this proposal. Any other use of this report without written authorization of Haley & Aldrich shall be at such other person's or entity's sole risk, and shall be without legal exposure or liability to Haley & Aldrich.

### **ASSUMPTIONS**

We have assumed the following in development of our proposed scope (Task Nos. 1 through 3), budget and schedule estimates for the Phase II ESA:

- Site access from owners of each site property will be granted within two weeks of authorization to proceed
- Normal business hours of operation (M-F, 8AM – 5PM) for field sampling

- DDOE will review and provide comments to the Work Plan within 4 weeks of receipt (additional scope items requested by DDOE beyond those included in this Scope of Work are not included in our budget or schedule estimate)
- Drilling permits will be issued within 4 weeks following submission of the application, concurrently with Work Plan review
- Subsurface utilities deeper than 10 feet below grade will be clearly marked by Miss Utility or by a property owner's representative (utility detection by the 3<sup>rd</sup>-party locator is limited to 10 feet below grade)
- Space will be available to offset proposed boring/temporary well locations at least 10 feet from marked utilities (air lance and vacuum excavation services will not be required)
- Field work will be performed in Level D personal protective equipment
- Sampling will be limited to exterior areas (we have not proposed sampling, including sub-slab or soil-gas sampling, within site structures or buildings)
- Site and subsurface conditions allow for installation of soil borings and temporary wells utilizing a standard truck-mounted Geoprobe<sup>®</sup> (buried concrete, foundations or other obstructions will not be encountered)
- Groundwater will be encountered within 15 feet of the ground surface
- Temporary wells will be abandoned utilizing bentonite chips
- One-week turn-around time will be employed (excluding the waste characterization analyses, which will require 2 weeks)
- IDW, including soil cuttings, purge water and expendable equipment to be containerized in drums, labeled to remain on-site pending receipt of analytical results and then disposed off-site as non-hazardous waste within 4 weeks following receipt of analytical results
- Our proposal does not include design or development of detailed volume or cost estimates
- Our proposal does not include a hazardous building materials survey (assessment of asbestos-containing materials, lead-based paint, indoor air quality, lead in drinking water, industrial hygiene or safety are not included, but will be offered in a separate proposal)
- Our proposal does not include assessment of wetlands, regulatory compliance, cultural and historic resources, ecological resources, endangered species, bio-agents or mold.

## **COSTS**

The proposed services (Task Nos. 1 through 3) will be performed for an estimated lump sum fee of \$100,000. This estimate is based on our current understanding of the project, along with the Scope of Work and Assumptions provided above.

## **SCHEDULE**

Haley & Aldrich requested files for review during preparation of the Phase I ESA. We will begin reviewing available files upon receipt of your authorization to proceed. We will also begin coordinating access to the remaining properties and buildings for a follow-up site visit (we assume that access will be granted within two weeks following your authorization to precede). Haley & Aldrich will provide a DRAFT Work Plan and drilling permit application within one week following completion of the file review and site visit. We will provide a revised FINAL Work Plan within one week following receipt of comments from the DDOE. We will contact Miss Utility to have publically maintained utilities

marked within one week of Work Plan and drilling permit approval. Haley & Aldrich will also contract a third-party locator to mark private subsurface utilities within one week (assuming site access has been provided) following issuance of the Miss Utility clearance. Field sampling will require approximately two weeks to complete, following utility clearance and permit approval. Laboratory analyses will be completed within one week following receipt at the laboratory. Haley & Aldrich will provide a DRAFT electronic copy of our Phase II ESA report within two weeks following receipt of laboratory analytical results. We will provide a FINAL Phase II ESA report (three hard copies and one electronic) within one week following receipt of comments. Based upon our assumptions of DDOE review (4 weeks), permitting (concurrent 4 weeks) and access availability, the DRAFT report will be available within approximately 13 to 15 weeks.

### AUTHORIZATION

If the above arrangements are satisfactory to you, please issue a Subcontract Agreement referencing this proposal and the Terms and Conditions previously negotiated for the Phase I ESA, signed on July 22, 2013 (attached).

### CLOSING

Thank you for inviting Haley & Aldrich to submit this proposal. We look forward to our continued association with you on this project. Should you have any questions regarding the proposal, please do not hesitate to contact us.

Sincerely yours,  
HALEY & ALDRICH, INC.



Karin S. Holland  
Senior Technical Specialist



Gregory B. Grose, PG  
Senior Project Manager

This proposal, and the attached "Standard Terms and Conditions, 2003" are understood and accepted:

MCKISSACK & MCKISSACK

By \_\_\_\_\_  
(authorized signature)

By \_\_\_\_\_  
(print or type name)

Title \_\_\_\_\_

Date \_\_\_\_\_

Attachments:  
Subcontract Agreement for Phase I ESA  
Standard Rate Schedule  
Standard Terms and Conditions, 2003

## ATTACHMENTS

**HALEY & ALDRICH  
STANDARD RATE SCHEDULE**

<b>Code</b>	<b>Title</b>	<b>2013-R4</b>
110	Senior Vice President	\$ 265
120	Vice President 2	\$ 223
121	Vice President 1	\$ 208
210	Sr. Professional 8	\$ 183
211	Sr. Professional 7	\$ 167
212	Sr. Professional 6	\$ 146
213	Staff Professional 5	\$ 132
214	Staff Professional 4	\$ 121
215	Professional 3	\$ 115
216	Professional 2	\$ 101
217	Professional 1	\$ 96
354	Field /Lab Engr Tech/Geol. 6-8	\$ 99
355	Field /Lab Engr Tech/Geol. 4-5	\$ 86
356	Field /Lab Engr Tech/Geol. 1-3	\$ 79
364	Sr. CAD Operator	\$ 125
365	CAD Operator	\$ 107
910	Office Support	\$ 79

sub mark-up: 15%  
expense mark-up 10%  
communication fee: 4%

**1. General**

These Standard Terms and Conditions, together with the attached proposal and Standard Fee Schedule, constitute the Agreement between Haley & Aldrich and the entity or person to whom the proposal is addressed ("Client") to perform basic or additional services. The Standard Fee Schedule may be omitted for lump sum type Agreements.

**2. Performance of Services**

Haley & Aldrich's services will be performed in accordance with generally accepted practices of engineers and/or scientists providing similar services at the same time, in the same locale, and under like circumstances. Client agrees that Haley & Aldrich has been engaged to provide professional services only, and that Haley & Aldrich does not owe a fiduciary responsibility to Client. No other warranty, expressed or implied, is included or intended by this Agreement.

**3. Environmental Professional Services**

Haley & Aldrich employees may serve as Environmental Professionals under state or federal programs, which may include rendering opinions regarding site assessments and remediation. In carrying out such functions, the Environmental Professional will select such explorations, data collections, remediation actions or other services which, in the Environmental Professional's opinion, are appropriate, under the statutes and regulations, to establish a basis for such opinion. Client acknowledges that a federal, state or local agency may review, comment and/or audit Haley & Aldrich's services and may require additional site activities, even though Haley & Aldrich and such Environmental Professionals have each performed such services in accordance with the standard of care set forth herein. Client agrees to compensate Haley & Aldrich for services performed in response to such an audit at Haley & Aldrich's billing rates then in effect.

**4. Payment**

Invoices will generally be submitted monthly. Payment will be due within thirty (30) days of invoice date. Interest will be added to accounts in arrears at the rate of one and one-half (1.5) percent per month on the outstanding balance. In the event Haley & Aldrich must engage counsel to enforce overdue payments, Client will reimburse Haley & Aldrich for all reasonable attorney's fees and court costs.

**5. Insurance**

Haley & Aldrich will maintain: workers' compensation insurance as required under the laws of the state in which the services will be performed; commercial general liability insurance with a combined single limit of \$1,000,000 per occurrence and \$2,000,000 in the aggregate for bodily injury, including death and property damage; automobile liability insurance with a combined single limit of \$1,000,000 per occurrence; professional

liability insurance in the amount of \$1,000,000 per claim and in the aggregate; and contractor's pollution liability insurance in the amount of \$1,000,000 per occurrence and in the aggregate. Haley & Aldrich will furnish Client with a certificate of insurance evidencing the coverages listed above and providing thirty (30) days prior written notice in the event of cancellation or material change in coverage.

**6. Confidentiality**

Haley & Aldrich will hold confidential all business and technical information obtained or generated in performing of services under this Agreement. Haley & Aldrich will not disclose such information without Client's consent except to the extent required for: (1) performance of services under this Agreement; (2) compliance with professional standards of conduct for preservation of the public safety, health, and welfare; (3) compliance with any court order, statute, law, or governmental directive; and/or (4) protection of Haley & Aldrich against claims or liabilities arising from the performance of services under this Agreement. Haley & Aldrich's obligations hereunder shall not apply to information in the public domain or lawfully obtained on a non-confidential basis from others.

**7. Ownership of Documents and Processes**

All documents (including drawings, specifications, estimates, field notes, and other data) and all processes (including scientific, technological, software, and other concepts, whether or not patentable) created, prepared, or furnished under this Agreement by Haley & Aldrich, or Haley & Aldrich's independent contractors and consultants pursuant to this Agreement, are instruments of service and shall remain the property of Haley & Aldrich whether or not the Project is completed. Haley & Aldrich shall retain ownership of all documents and processes, and any copyright or right to patent thereto. Client may make and retain copies thereof as is necessary for completion, occupancy or operation of the project by Client or others; however, such documents are not intended or represented to be suitable for additions or alterations to the project, use on any other project or completion of the project without Haley & Aldrich's professional involvement. Any reuse or modification without written verification or adaptation by Haley & Aldrich for the specific purpose intended is at Client's sole risk and without liability or legal exposure to Haley & Aldrich or its independent contractors or consultants. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors, and consultants from all claims, damages, losses, and expenses, including attorney's fees, arising out of or resulting therefrom. Any such verification or adaptation will entitle Haley & Aldrich to further compensation.

## 8. Electronic Media

Client recognizes that data, plans, specifications, reports, documents, or other information recorded on or transmitted as electronic media are subject to undetectable alteration, either intentional or unintentional. Accordingly, documents provided to Client in electronic media are for informational purposes only and are not an end product. Client agrees to defend, indemnify, and hold Haley & Aldrich harmless from any claims, liabilities, losses or damages arising out of the reuse or alteration of electronic media. Haley & Aldrich makes no warranties, either expressed or implied, regarding the fitness or suitability of the electronic media.

## 9. Suspension of Work and Termination

Client may, at any time, suspend further work by Haley & Aldrich or terminate this Agreement. Suspension or termination shall be by written notice effective seven (7) days after receipt by Haley & Aldrich. Client agrees to compensate Haley & Aldrich for all services performed and commitments made prior to the effective date of the suspension or termination, together with reimbursable expenses including those of subcontractors, subconsultants, and vendors.

If Client fails to make payment when due for services and reimbursable expenses, Haley & Aldrich may, upon seven (7) days' written notice to Client, suspend performance of services under this Agreement. Unless payment in full is received by Haley & Aldrich within seven (7) days of the date of the notice, the suspension shall take effect without further notice. In the event of a suspension of services, Haley & Aldrich shall have no liability to Client for delay or damage to Client or others because of such suspension of services.

## 10. Force Majeure

Except for Client's obligation to pay for services rendered, no liability will attach to either party from delay in performance or nonperformance caused by circumstances or events beyond the reasonable control of the party affected, including, but not limited to, acts of God, fire, flood, unanticipated site or subsurface conditions, explosion, war, request or intervention of a governmental authority (foreign or domestic), court order (whether at law or in equity), labor relations, accidents, delays or inability to obtain materials, equipment, fuel or transportation.

Delays within the scope of this article that cumulatively exceed thirty (30) calendar days shall, at the option of either party, make this Agreement subject to termination or renegotiation. Should the Client require that Haley & Aldrich maintain its personnel and equipment available during the delay period, Client agrees to compensate Haley & Aldrich for the additional labor, equipment, and any and all other direct costs associated with Haley & Aldrich in maintaining its personnel on Site during the delay period.

## 11. Mold/Biological Pollutants

Client agrees that Haley & Aldrich shall have no liability for any claim, direct or indirect, for bodily injury or property damage, including loss of use, arising from, alleged to arise from, or caused by the presence of, or exposure to, any Mold or other Biological Pollutants in or around any structure. In addition, Client shall defend, indemnify, and hold harmless Haley & Aldrich from third-party claims for damages arising from, or alleged to arise from, or caused by the presence of or exposure to, any Mold or other Biological Pollutant in or around any structure, except for damages arising from or caused by Haley & Aldrich's sole negligence.

The term "Mold or other Biological Pollutants" includes, but is not limited to, molds, fungi, spores, bacteria, and viruses, and the by-products of biological organisms.

## 12. Subsurface Risks

Client recognizes that special risks occur whenever engineering or related disciplines are applied to identify subsurface conditions. Even a comprehensive sampling and testing program, implemented with appropriate equipment and experienced personnel under the direction of a trained professional who functions in accordance with a professional standard of practice, may fail to detect certain hidden conditions. Environmental, geological, and geotechnical conditions that Haley & Aldrich may infer to exist between sampling points may differ significantly from those that actually exist. The passage of time also must be considered, and Client recognizes that due to natural occurrences or direct or indirect human intervention at or near the site, actual conditions may quickly change. Client realizes that these risks cannot be eliminated altogether, but certain techniques can be applied to reduce them to a level that may be tolerable. The services included in this Agreement are those which Client agreed to, or selected, consistent with Client's risk preferences and other considerations.

## 13. Disclosure of Hazards (Right-to-Know)

Haley & Aldrich will take reasonable precautions for the health and safety of Haley & Aldrich's employees while at the site. Client will obtain from Site Owner, and furnish to Haley & Aldrich, at the time of Client's authorization to proceed, all available information concerning oil, hazardous, toxic, radioactive or asbestos material in, on or near the site. If a hazardous material or condition is discovered that had not been disclosed to Haley & Aldrich, then, upon notification, Client and Haley & Aldrich shall seek to determine an equitable adjustment to be made to this Agreement. In addition, Client agrees to assume all liability and shall hold Haley & Aldrich harmless from any claims, losses, liabilities or damages arising out of personal injury or death resulting from such hazardous material or condition.

## 14. Public Responsibility

Client acknowledges that Client or the site owner, as the case may be, is now and shall remain in control of the site



for all purposes at all times. Except as required by law or regulation, Haley & Aldrich will not report to any federal, state, county, or local public agencies having jurisdiction over the subject matter, any conditions existing at the site that may present a danger to public health, safety, or the environment. Client agrees to notify each federal, state, county, and local public agency, as they each may require, of the existence of any condition at the site that may present a potential danger to public health, safety, or the environment.

Notwithstanding the provisions of the foregoing, Haley & Aldrich will comply with subpoenas; judicial orders or government directives; federal, state, county, and local laws, regulations, and ordinances; and codes regarding the reporting to the appropriate public agencies of findings with respect to potential dangers to public health, safety, or the environment. Haley & Aldrich shall have no liability to Client or to any other person or entity for reports or disclosures made in accordance with such requirements. Client shall defend, indemnify, and hold Haley & Aldrich harmless from and against any and all claims, demands, liabilities, and expense, including reasonable attorneys' fees incurred by Haley & Aldrich and arising directly or indirectly out of reporting such information under a bona fide belief or upon advice of counsel that such reporting or disclosure is required by law.

#### **15. Site and Subsurface Investigations**

Client agrees to furnish right of entry and permission for Haley & Aldrich to perform surveys, borings, and other investigations, including subsurface explorations, pursuant to the scope of services. Haley & Aldrich will take reasonable precautions to minimize damage to the property and exercise reasonable care when locating underground structures in the vicinity of proposed subsurface explorations. If Haley & Aldrich is required to restore the property or subsurface conditions or structures to its former condition, the cost plus fifteen (15) percent will be added to the fee. Client shall indemnify, defend, and hold harmless Haley & Aldrich and its independent contractors and consultants from any and all claims, damages, losses, and expenses (including attorneys' fees), arising out of or resulting from any such damage, except to the extent caused by Haley & Aldrich's negligence.

#### **16. Samples**

Samples of soil, water, waste, rock, or other materials collected from the site will be disposed of 14 days after submission of Haley & Aldrich's report or other deliverables unless Client advises otherwise in writing or unless applicable law requires their retention. We will dispose of such samples by contract with a qualified waste disposal contractor. Client agrees to pay all costs associated with the storage, transport, and disposal of samples, and to indemnify Haley & Aldrich for any liability arising therefrom. If samples must be stored by Haley & Aldrich for a period in excess of 14 days after completion of Haley & Aldrich's report, or other

deliverables, Client agrees to pay an additional fee for storage as determined by Haley & Aldrich. Client recognizes and agrees that Haley & Aldrich is a bailee and assumes no title to said waste or samples nor any responsibility as generator of said waste or samples.

#### **17. Services During Construction**

If Haley & Aldrich provides services including the performance of services during the construction phase of the project, it is understood that the purpose of such services, including visits to the Site, will be to enable Haley & Aldrich to better perform the duties and responsibilities assigned to and undertaken by it as a design professional, and to determine, in general, if construction is proceeding in a manner indicating that the completed work of Contractors will conform generally to the Contract Documents.

Haley & Aldrich shall not, during such visits or as a result of observations of construction, supervise, direct, or have control over Contractors' work nor shall Haley & Aldrich have authority over, or responsibility for, the means, methods, sequences or procedures of construction selected by the Contractors or safety precautions and programs incident to the work of Contractors or for any failure of Contractors to comply with laws, rules, regulations, ordinances, codes or orders applicable to Contractors furnishing and performing their work. Haley & Aldrich does not guarantee the performance of the construction contract by the Contractors, and does not assume responsibility for Contractors' failure to furnish and perform their work in accordance with the Contract Documents.

If Haley & Aldrich's services during construction include shop drawing review, Haley & Aldrich will review (or take other appropriate action with respect to) shop drawings, samples, and other data which Contractors are required to submit, but only for conformance with the design concept of the project and compliance with the information given in the Contract Documents. Such review or other actions shall not extend to means, methods, techniques, sequences, or procedures of manufacture (including the design of manufactured products) or construction, or to safety precautions and programs incident thereto. Haley & Aldrich's review or other actions shall not constitute approval of an assembly or product of which an item is a component, nor shall it relieve the Contractors of (a) their obligations regarding review and approval of any such submittals, and (b) their exclusive responsibility for the means, methods, sequences, and procedures of construction, including safety of construction.

#### **18. Reliance**

Any opinions rendered pursuant to this Agreement are for the sole and exclusive use of Client, and are not intended for the use of, or reliance upon, by any third parties without the prior written approval of Haley & Aldrich. Client agrees to indemnify, hold harmless, and defend

Haley & Aldrich to the fullest extent permitted by law for any claims, losses, or damages allegedly suffered by third parties due to the unauthorized reliance on any opinion provided hereunder.

#### **19. Waiver of Consequential Damages**

Neither party, nor their parent, affiliated or subsidiary companies, nor the officers, directors, agents, employees, or contractors of any of the foregoing, shall be liable to the other in any action or claim for incidental, indirect, special, collateral, consequential, exemplary or punitive damages arising out of or related to the Services, whether the action in which recovery of damages is sought is based upon contract, tort (including, to the greatest extent permitted by law, the sole, concurrent or other negligence, whether active or passive, and strict liability of any protected individual or entity), statute or otherwise.

#### **20. Hazardous Substance Claims**

By authorizing Haley & Aldrich to proceed with the services, Client confirms that Haley & Aldrich has not created nor contributed to the presence of any hazardous substances or conditions at or near the Site. Client recognizes that there is an inherent risk in drilling borings, pushing or driving probes, excavating trenches, or implementing other methods of exploration at or near a site contaminated by hazardous materials. Further, Client recognizes that these are inherent risks even through the exercise of the Standard of Care. Client accepts this risk and agrees to indemnify and hold Haley & Aldrich, and each of Haley & Aldrich's subcontractors, consultants, officers, directors, and employees harmless against any and all claims for damages, costs, or expenses direct or consequential, in connection with a release of hazardous substances, except to the extent that such claims, damages, or losses are adjudicated to have resulted from Haley & Aldrich's gross negligence or willful misconduct in the performance of the services.

#### **21. Limitation of Remedies**

To the fullest extent permitted by law, the total liability of Haley & Aldrich, its officers, directors, and employees to Client, and anyone claiming by, through, or under Client, for any and all injuries, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Haley & Aldrich's services, from any cause or causes whatsoever, including, but not limited to, negligence, errors, omissions, strict liability or contract, shall be limited to an amount of \$50,000 or Haley & Aldrich's fee, whichever is greater.

If Client prefers not to limit Haley & Aldrich's liability to this sum, Haley & Aldrich may increase this limitation upon Client's written request. If Haley & Aldrich approves the request, Haley & Aldrich will agree to increase the limitation to \$100,000, provided that Client agrees to pay \$1,000 for this change. The additional fee is for the additional risk assumed by Haley & Aldrich and is not a charge for additional liability insurance.

#### **22. Dispute Resolution**

If a dispute arises out of or relates to this Agreement or the breach thereof, the parties will attempt in good faith to resolve the dispute through negotiation. If the dispute is not resolved by these negotiations, the matter will be submitted to non-binding mediation with a mutually agreed upon mediator. The parties agree that they will participate in the mediation in good faith, that they will share equally in its costs, and that neither party will commence a civil action with respect to the matters submitted to mediation until after the completion of the initial mediation session.

#### **23. Legal Action**

All legal actions by either party against the other for any cause or causes, including, but not limited to, breach of this Agreement, negligence, misrepresentations, breach of warranty or failure to perform in accordance with the standard of care, however denominated, shall be barred two (2) years from the day after completion of Haley & Aldrich's Services. In the event that Client institutes a suit against Haley & Aldrich, and if such suit is not successfully prosecuted, or if it is dismissed, or if a verdict is rendered for Haley & Aldrich, Client agrees to pay Haley & Aldrich any and all costs of defense, including attorneys' fees, expert witnesses' fees, and court costs and any and all other expenses of defense which may be reasonably necessary, immediately following dismissal of the case or immediately upon judgment being rendered in favor of Haley & Aldrich.

#### **24. Precedence**

These Terms and Conditions shall take precedence over any inconsistent or contradictory provisions contained in any proposal, contract, purchase order, requisition, notice to proceed, or like document.

#### **25. Severability**

If any of these Terms and Conditions are finally determined to be invalid or unenforceable in whole or part, the remaining provisions shall remain in full force and effect, and be binding upon the parties. The parties agree to reform these Terms and Conditions to replace any such invalid or unenforceable provision with a valid and enforceable provision that comes as close as possible to the intention of the stricken provision.

#### **26. Survival**

These conditions shall survive the completion of Haley & Aldrich's services on this project and the termination of services for any cause.

#### **27. Governing Law**

This Agreement shall be governed and construed in accordance with the laws of the state of the contracting office of Haley & Aldrich.

**End of Standard Terms and Conditions**

Exhibit 2  
McKissack & McKissack Subcontract Agreement  
Terms and Conditions of Agreement

**McKissack & McKissack**  
**SUBCONTRACT AGREEMENT**  
**TERMS AND CONDITIONS OF AGREEMENT**

**Subcontractor Status As Independent Contractor:** The Subcontractor shall be deemed to be an independent contractor of McKissack exercising its own expertise, judgment and discretion in the performance and management of the Subcontractor's Work. The Subcontractor shall have exclusive responsibility for taking all steps necessary to provide and maintain safe working conditions for its employees.

This Agreement shall not be construed to create a contractual relationship of any kind (1) between the Owner and the Subcontractor or its suppliers and sub-subcontractors; (2) between McKissack and Subcontractor's sub-subcontractors and suppliers; or (3) between any persons or entities other than McKissack and the Subcontractor. The Owner and McKissack shall not undertake to settle any differences between or among the Subcontractor and its sub-subcontractors.

**Contract Documents:** The Contract, hereinabove mentioned, is available for examination by the Subcontractor at all reasonable times at the office of McKissack; all of the aforesaid, including this Agreement and all attachments, plans, drawings, specifications and modifications annexed hereto and incorporated herein, being sometimes referred to hereinafter as the Contract Documents. The Subcontractor represents that it has carefully examined and understands this Agreement and all other Contract Documents, has investigated the nature, locality and site of the Work and the conditions and difficulties under which the Subcontractor's Work is to be performed, and that it enters into this Agreement on the basis of its own examination, investigation and evaluation of all such matters and not in reliance upon any opinions or representations of McKissack, or of the Owner, or of any of their respective officers, agents, servants or employees. Subcontractor represents that it is fully qualified to perform this Agreement.

Subcontractor agrees to be bound to McKissack by each and all of the terms and provisions of the Contract and all other Contract Documents, and to assume toward McKissack all of the duties, obligations and responsibilities that McKissack by those Contract Documents assumes toward the Owner, and the Subcontractor further agrees that McKissack shall have the same rights, remedies and redress as against the Subcontractor as the Owner under the terms and provisions of the Contract and the other Contract Documents has against McKissack with the same force and effect as though every such duty, obligation, responsibility, right, remedy and redress were set forth herein in full. The terms and provisions of this Agreement with respect to the Work to be performed and furnished by the Subcontractor hereunder are intended to be and shall be in addition to and not in substitution for any of the terms and provisions of the Contract and the other Contract Documents.

The Subcontractor shall include a provision in the Subcontractor's agreements with sub-subcontractors by which the Subcontractor and the sub-subcontractor assume toward each other all obligations and responsibilities which McKissack and Subcontractor assume toward each other and having the benefit of all rights, remedies and redress each against the other which McKissack and Subcontractor have by virtue of the provisions of this Agreement.

This Agreement, the provisions of the Contract and the other Contract Documents are intended to supplement and complement each other and shall, where possible, be thus interpreted. If, however, any provision of this Agreement irreconcilably conflicts with a provision of the Contract and/or other Contract Documents, the provision imposing the greater duty or obligation on the Subcontractor shall govern.

The provision of design and other services by Subcontractor and Subcontractor's other responsibilities under this Agreement are collectively referred to herein as the "Subcontractor's Work."

**Standard Of Care:** The standard of care for all design and engineering services performed or provided by the Subcontractor pursuant to this Agreement shall be the care and skill ordinarily used by members of the design and engineering profession practicing under similar circumstances at the same time and location of the Project; provided, however, that if the Owner requires McKissack to meet a higher standard of care, the Subcontractor shall also meet that higher standard of care.

**Price:** The sum to be paid by McKissack, out of funds received from the Owner, to the Subcontractor for the satisfactory performance and completion of the Work and all of the duties, obligations and responsibilities of the Subcontractor under this Agreement and the other Contract Documents (hereinafter called the Price) shall be as set forth in the Agreement, subject to additions and deductions as herein provided.

The Price includes all Federal, State, County, Municipal and other taxes imposed by law and based upon labor, services, materials, equipment or other items acquired, performed, furnished or used for or in connection with the Subcontractor's Work, including but not limited to sales, use and personal property taxes payable by or levied or assessed against the Owner, McKissack or the Subcontractor. Where the law requires any such taxes to be stated and charged separately, the total price of all items included in the Subcontractor's Work plus the amount of such taxes shall not exceed the Price.

The obligation of McKissack to make a payment under this Agreement, whether a progress or final payment, or for extras or change orders or delays to the Work, is subject to the express condition precedent of payment therefore by the Owner.

**Non-Acceptance:** No payment (final or otherwise) made under or in connection with this Agreement shall be conclusive evidence of the performance of the Subcontractor's Work or of this Agreement, in whole or in part, nor shall it release the Subcontractor from any of its obligations under this Agreement.

**Use Of Subcontractor's Drawings, Specifications And Other Documents:** Except for reference and coordination purposes in connection with future additions or alterations to the Work, Drawings, Specifications and other documents prepared by the Subcontractor (the "Work Product") are instruments of the Subcontractor's service for use solely with respect to this Project and, unless otherwise provided, the Subcontractor shall be deemed the author of the Work Product and shall retain all common law, statutory and other reserved rights, including the copyright. Subcontractor hereby grants McKissack and Owner a limited license to use the Work Product in connection with completing the Project. McKissack and Owner shall be permitted to retain copies, including reproducible copies, of the Work Product for information and reference. The Work Product shall not be used by McKissack or others on other projects, or for completion of this Project by others, unless the Subcontractor is adjudged to be in default under this Agreement, except by agreement in writing and with appropriate compensation to the Subcontractor.

McKissack and Subcontractor shall not make changes in each other's Drawings, Specifications and other documents without written permission of the other party.

The Subcontractor shall maintain on file and make available to McKissack design calculations for the Subcontractor's Work, and shall furnish copies thereof to McKissack on request.

Submission or distribution of Subcontractor's Work Product to meet official regulatory requirements or for similar purposes in connection with Subcontractor's Work is not to be construed as publication in derogation of the Subcontractor's reserved right.

**Compliance With Law And Permits:** The Subcontractor shall obtain and pay for all necessary permits, insurance policies and licenses pertaining to Subcontractor's Work whether or not provided for by the Plans, Specifications, General Contract, or other Contract Documents, without additional charge or expense to McKissack. The Subcontractor agrees to save harmless and indemnify McKissack from and against any and all loss, injury, claims, actions, proceedings, liability, damages, fines, penalties, costs and expenses, including legal fees and disbursements, cause or occasioned directly or indirectly by the Subcontractor's

failure to comply with any of said laws, ordinances, rules, regulations, standards, orders, notices or requirements or to correct such violations.

**Time of Completion:** The Subcontractor shall commence the Work when notified to do so by McKissack. The Subcontractor shall diligently and continuously prosecute and complete the Work and coordinate the Work with the other work being performed on the Project, in accordance with the Project schedule, any revisions to the Project schedule, and any other scheduling requirements listed in the Contract Documents including this Agreement and/or any addenda or attachments annexed hereto and incorporated herein so as not to delay, impede, obstruct, hinder or interfere with the commencement, progress or completion of the whole or any part of the Subcontractor's Work or other work on the Project.

**TIME IS OF THE ESSENCE** of this Agreement and in completing the Work.

If the Contract provides for liquidated or other damages for delay, and such damages are assessed, then McKissack may assess the same against the Subcontractor in proportion to the Subcontractor's share of the responsibility for such delay. However, nothing set forth herein shall limit the Subcontractor's liability to McKissack for McKissack's actual delay damages caused by the Subcontractor's delay. The Subcontractor shall be liable to McKissack for McKissack's actual and consequential damages caused by the Subcontractor's delay.

**Termination By McKissack:** If the Subcontractor fails to commence and satisfactorily continue correction of a default within three (3) working days after written notification issued as provided herein, then McKissack may, in lieu of or in addition to the remedies set forth herein, issue a second written notification to the Subcontractor. Such notice shall state that if the Subcontractor fails to commence and continue correction of the default within seven (7) working days of the second written notification, the Agreement may be terminated. A written notice of termination shall be issued by McKissack to the Subcontractor at the time the Agreement is terminated.

All costs incurred by McKissack in performing the Subcontractor's Work, including reasonable overhead, profit and attorney's fees, shall be deducted from any moneys due or to become due the Subcontractor under this Agreement. The Subcontractor shall be liable for the payment of any amount by which such expense may exceed the unpaid balance of the Price. If the unpaid balance of the Price exceeds the expense of finishing the Work, such excess shall be paid to the Subcontractor.

**Patents:** The Subcontractor hereby agrees to indemnify, protect and save harmless McKissack and the Owner from and against any and all liability, loss or damage and to reimburse McKissack and the Owner for any expenses, including legal fees and disbursements, which McKissack and the Owner may incur on account of infringement or alleged infringement of any letters patent or patent rights in its performance of the Subcontractor's Work.

**Assignment Or Subletting:** Neither this Agreement nor any monies due or to become due hereunder shall be assignable by Subcontractor without the prior written consent of McKissack nor shall the whole or any part of this Agreement be sublet by Subcontractor without like prior written consent. Any such assignment or subletting without such prior written consent shall be void and of no effect and shall vest no right or right of action in the assignee or Subcontractor against McKissack.

**Subcontractor's Indemnification:** To the fullest extent permitted by law, the Subcontractor shall indemnify and hold harmless the Owner, McKissack, Contractor and the officers, directors, shareholders, agents and employees of any of them from and against any and all claims, damages, losses and expenses, including but not limited to attorney's fees, arising out of or resulting from performance of the Subcontractor's Work under this Subcontract, provided that such claim, damage, loss or expense is attributable to bodily injury, sickness, disease or death, or to injury to or destruction of tangible property including loss of use resulting therefrom, regardless of whether or not such claim, damage, loss or expense is caused in part by a party indemnified hereunder. Such obligation shall not be construed to negate, abridge, or otherwise reduce other rights or obligations or indemnity which would otherwise exist as to a party or person described in this Paragraph.

In claims against any person or entity indemnified under this Paragraph by an employee of the Subcontractor, the Subcontract's sub-subcontractors, anyone directly or indirectly employed by them or anyone for whose acts they may be liable, the indemnification obligation under this Paragraph shall not be limited by a limitation on amount or type of damages, compensation or benefits payable by or for the Subcontractor or the Subcontractor's sub-subcontractors under workers' or workmen's compensation acts, disability benefit acts or other employee benefit acts.

**Severability:** In the event that any provision or any part of a provision of this Agreement shall be finally determined to be superseded, invalid, illegal or otherwise unenforceable pursuant to applicable laws by an authority having jurisdiction, such determination shall not impair or otherwise affect the validity, legality, or enforceability of the remaining provisions or parts of provisions of this Agreement, which shall remain in full force and effect as if the unenforceable provision or part were deleted. If any portion of this Agreement shall be held invalid under any applicable law, such invalidity shall not affect any otherwise unimpaired provision of this Agreement and the provision held invalid, nonetheless shall be enforceable to the extent partially valid.

**Entire Agreement:** This Agreement is solely for the benefit of the signatories hereto and represents the entire and integrated agreement between the parties hereto and supersedes all prior negotiations, representations, or agreements, either written or oral. This Agreement can be modified only by a written document signed by both McKissack and Subcontractor. The headings, titles, and subheadings of this Agreement are for convenience only, are not a part of this Agreement, and shall be disregarded in the interpretation, construction, or in a determination of the validity of this Agreement or any provision hereof. It is in the intent of the parties that this Agreement, although drafted by McKissack, shall, in the event of any dispute over its meaning or application, be interpreted fairly and reasonably and neither more strongly for nor against either party hereto. Where reference is made in this Agreement to a provision of the General Contract or another Contract Document, the reference refers to that provision as amended or supplemented by other provisions of the Contract Documents.

**Successors and Assigns:** All covenants and agreements herein shall be binding on and inure to the benefit of the heirs, executors, administrators, successors and assigns of the parties hereto.

**Applicable Law:** This Agreement shall be governed and construed in accordance with the place where the Project is located.

**APPENDIX B**

**Historical Research Documentation**



APR 9 2010

**Government of the District of Columbia**  
**District Department of the Environment**

**Underground Storage Tank Branch**

★ ★ ★

**Toxic Substances Division**

**No Further Action Letter**

April 1, 2010

Ms. Fariba Mahvi  
Pepco Holdings, Inc  
701 Ninth Street, NW  
Washington, DC 20068

**RE: FACILITY NAME:** Pepco (Buzzard Generating Station)  
**FACILITY ADDRESS:** 33 V Street, SE  
**FACILITY ID:** 2-000609  
**LUST ID:** 93051

Dear Ms. Mahvi:

The District Department of the Environment (“DDOE”), Underground Storage Tank Branch (“UST Branch”), hereby issues this No Further Action Letter (“NFA”) in reference to the property/facility located at 33 V Street, SE (the “site”), and currently owned by **PEPCO HOLDINGS, INC** (the “Owner”), pursuant to the Underground Storage Tank Management Act of 1990 (D.C. Code § 8-113.01, *et seq.*), and the District of Columbia Underground Storage Tank Regulations, as set forth at Title 20 of the District of Columbia Municipal Regulations, Chapters 55-70 (20 DCMR 55-70).

This office has reviewed the Risk-Based Corrective Action (RBCA) report, dated March 24, 2010, prepared by Mactec Engineering and Consulting, Inc for the above referenced property and all other information submitted to date by the Owner pertaining to the release and clean-up of a regulated substance from the underground storage tank system at the above-referenced Facility. Based on the information reviewed, it is the judgment of the UST Branch that presently, the residual contamination left in place at this site does not pose a threat to human health and/or the environment. The site was evaluated under the current and future commercial land use scenario as spelled in the Risk Based Corrective Action Technical Guidance document. Accordingly, the UST Branch finds that no further remedial action is necessary at the site, unless the residually contaminated soil is removed, disturbed, or excavated.

The owner shall be responsible for removing all equipment and ensure that wells are closed down, removed, grouted and sealed properly in accordance with 20 DCMR § 6207.16.

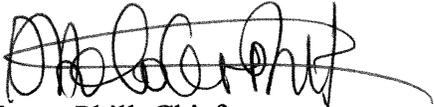
In the event that additional work is performed at this site, which will require any additional removal, disturbance or excavation of the residually contaminated soil, Owner must report to this office for further direction and guidance, prior to commencement of work, as required by 20 DCMR § 6202. Failure to do so may result in an enforcement action against any responsible party, current or future Owners, pursuant to the Act and the regulations promulgated pursuant to that Act.

While **PEPCO HOLDINGS, INC** has complied with the current Leaking Underground Storage Tank case closure requirements of this Program, District of Columbia's Underground Storage Tank Management Act, and the regulations promulgated pursuant to that Act, this NFA shall not absolve the Owner, operator, or a responsible party from previously incurred or potential future liability due to any residual contamination left in place.

Please note that DDOE is required to publish success stories in brochures, fact sheets and on our website of sites cleanup in the District and returned to productive use. As such, this site may be chosen for this purpose. Please inform our office in writing if you have any objections or concerns with us using this site.

Should you have any question or concerns about this NFA, please call Dr. Bob Emwanta at 202.535.1944 or send an email to [Bob.Emwanta@dc.gov](mailto:Bob.Emwanta@dc.gov).

Sincerely,



Fianna Phill, Chief  
Underground Storage Tank Branch

Cc: Dr. Neven A. Kresic, Mactec Engineering

LIMITED PHASE II  
ENVIRONMENTAL INVESTIGATION  
BUZZARD POINT  
2<sup>ND</sup> STREET SW / V STREET SW,  
WASHINGTON, D.C.

*Prepared for*  
Potomac Electric Power Company  
701 Ninth Street, N.W.  
Washington, D.C.

March 22, 2005

**URS**

URS Corporation, Inc.  
200 Orchard Ridge Drive, Suite 101  
Gaithersburg, Maryland 20878  
URS Project No. 15297096

March 22, 2005

Mr. Shahid M. Anis  
Potomac Electric Power Company  
Environmental Management Services  
701 Ninth Street, N.W.  
Washington, D.C. 20068

Re: Limited Phase II Environmental Investigation  
Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW  
Washington, D.C.  
URS Project No. 15297096

Dear Mr. Anis:

URS is pleased to present this letter report outlining the results of our Limited Phase II Investigation at the above-referenced property. This work was conducted in accordance with the proposal by and between URS and Potomac Electric Power Company (PEPCo) dated December 10, 2004.

## **1.0 BACKGROUND**

URS conducted a Phase I Environmental Site Assessment (ESA) of the subject property (Draft Report dated October 13, 2004) for PEPCo that identified a long history of industrial use on the subject property. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of environmental concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property. In addition, the following offsite properties were identified that have the potential to create a Recognized Environmental Condition on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation,
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil,
- and the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW, three blocks north and upgradient) which was also identified as having TPH contaminants in soil, and
- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

Further investigation was recommended by the Phase I ESA to determine whether the above onsite and offsite concerns have created a Recognized Environmental Condition on the subject property.

The scope of work for the Limited Phase II Environmental Investigation is included as Attachment 1.

## 2.0 FIELD INVESTIGATION

Prior to field mobilization URS contacted the regional public utility location and mark-out service for Washington, D.C. to mark all onsite public underground utilities. Utility lines including a natural gas transmission line and cable television line were marked near the perimeter of the property. None of these utilities conflicted with the boring locations conducted.

On Saturday, January 15, and Sunday, January 16, 2005, URS Corporation and Vironex Environmental Field Services (Vironex) of Glen Burnie, Maryland, the Geoprobe contractor, mobilized to the subject property to conduct field activities. Photographs of field activities are included in Attachment 2. Based on previous investigations conducted in the area of the subject property, local topography, and URS' experience in the area of the subject property, it was estimated that groundwater would be encountered at approximately 15 feet or less below ground surface (bgs) at the subject property.

Sampling locations were selected based on accessibility and proximity to the identified environmental concerns. A total of 12 borings were completed as part of this investigation on the subject property. Four borings (B-1, B-2, B-3 and B-7) were conducted near the northern and eastern boundaries of the subject property that are nearest to the offsite concerns identified above. Three borings (B-4, B-5, and B-6) were conducted near the central portion of the property beneath the former coal storage area and rail spur. Three borings (B-8, B-9, and B-10) were conducted proximate to the onsite petroleum aboveground storage tank (AST), former underground oil pipeline, and concrete pits on the south side of the property. Two borings (B-11 and B-12) were conducted on the south side of the subject property downgradient of the petroleum AST.

At each boring location, a 2-inch diameter, 48-inch long sampler was hydraulically hammered below the ground surface to a depth of 32 feet, until groundwater was encountered, or it was determined that due to the consistent clay composition of the soils observed that groundwater would not be encountered in the boring. Because soils observed at Borings B-2, B-4, B-5, and B-10 were moist and no groundwater was initially encountered, temporary screened PVC pipe was installed at these locations in an attempt to obtain a sufficient groundwater sample volume. The following discusses the individual borings and sampling conducted:

- Borings B-1, B-2, and B-3 (Figure 1) were located near the northern property boundary in order to evaluate if contaminants are migrating onto the subject property from the offsite environmental concerns. At Boring B-1, located at the northwest corner of the subject property, groundwater was encountered at a depth of approximately 15 feet bgs. Soil was collected for laboratory analysis at a depth of 15 feet bgs from Boring B-1. Groundwater was also collected for laboratory analysis from this boring location. Boring B-2 was located near the north central portion of the subject property. A small volume of groundwater was encountered at this location at a depth of approximately 15 feet bgs. Soil was collected for laboratory analysis from a depth of 19 feet bgs. Groundwater was also collected for laboratory analysis from Boring B-2. Boring B-3 was located at the northeast corner of the

subject property. Groundwater was not encountered at this location. Soil was collected from a depth of 13 feet bgs at Boring B-3.

- Borings B-4, B-5, B-6, and B-7 were located near the central and eastern portions of the subject property. Groundwater was encountered at Boring B-4 at a depth of approximately 15 feet bgs. Soil was collected for laboratory analysis at a depth of 15 feet bgs from Boring B-4. Groundwater was also collected for laboratory analysis from this boring location. Groundwater was not encountered at Borings B-5, B-6 and B-7 most likely due to the dense clay layer that was encountered. Soil was collected for laboratory analysis at Borings B-5 and B-6 from a depth of 12 feet bgs and 20 feet bgs, respectively. Soil was collected for laboratory analysis at Boring B-7 at a depth of 15 feet bgs.
- Boring B-8 was located near the AST on the west side of the subject property. Groundwater was encountered at Boring B-8 at a depth of approximately 10 feet bgs. Soil was collected for laboratory analysis at a depth of 10 feet bgs from Boring B-8. Groundwater was also collected for laboratory analysis from this boring location. Boring B-9 was located on the east side of the AST and near the former underground petroleum pipeline. Groundwater was not encountered at Boring B-9. Soil was collected for laboratory analysis at Borings B-9 at a depth of 32 feet bgs. Boring B-10 was located adjacent to and downgradient of the concrete pit located on the southeast side of the subject property. Soil was collected for laboratory analysis at Boring B-10 at a depth of 16 feet bgs. Groundwater was also encountered at Boring B-10 and was collected for laboratory analysis.
- Borings B-11 and B-12 were located along the southern property boundary downgradient of the AST. Groundwater was encountered at both locations at a depth of approximately 12 feet bgs. Soil was collected for laboratory analysis at both B-11 and B-12 at a depth of 12 feet bgs. Groundwater was also collected for laboratory analysis at both of these boring locations.
- Sampling of the liquid contained in the two onsite concrete pits was conducted using a peristaltic pump and silicone sampling tubing that was placed down into the pit.

Following completion of each boring, the borings were either backfilled with the same material removed from the boring or plugged and abandoned with a cement-bentonite grout. The top 6 inches of the boring was filled with an asphalt patch for all borings that were located on the asphalt parking surface.

Groundwater and soils were collected into pre-cleaned glassware. Each sample container was transferred to an ice-filled cooler, and transported under chain of custody to Phase Separation Science, Inc., Baltimore, Maryland. Selected soil and groundwater samples were analyzed for analyzed for VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Priority Pollutant (PP) Metals by EPA Method 6020, TPH Gasoline Range Organics and Diesel Range Organics (TPH-GRO and TPH-DRO) by USEPA Method 8015, and polychlorinated bi-phenyls (PCBs) by EPA Method 8082. Since groundwater could not be obtained

at all boring locations (especially near the central portion of the property), additional laboratory analysis other than that initially proposed was conducted on the samples collected from Boring B-4 per PEPCo's request. Additional sampling or further laboratory analysis was not conducted at other locations based on the absence of field indicators of contamination.

### 3.0 DISCUSSION

No visual or olfactory evidence of contamination was observed in any of the soils observed from any of the boring locations conducted onsite. Field screening of samples was performed on all soil samples at approximately 2-foot intervals using a photoionization detector. No readings above background were obtained for any of the samples. No sheens or odors were observed in any of the groundwater samples or in either of the aqueous samples that were collected from the two concrete pits on the subject property.

The soils encountered onsite primarily consisted of tan, brown, and reddish-brown sandy silt with trace clay to a depth of approximately 8 feet bgs. The soils encountered in the borings at depths below 8 feet were consistent at all of the locations and were comprised of a very dense tan clay and orangeish tan clay with trace fine-grained tan sand, a trace of tan silt, and occasional trace of small and medium-size cobbles. The dense clay material encountered near 8 feet bgs and below was likely the reason for the absence of groundwater in some of the borings.

TPH-GRO and TPH-DRO were not detected in either of the aqueous samples collected from the two concrete pits found onsite. The laboratory analysis is included in Attachment 3.

Summaries of analytical results can be found on Table 1 (water) and Table 2 (soil). Laboratory analysis of all groundwater samples collected indicated that antimony, arsenic and lead were detected in groundwater collected from location B-4 at concentrations higher than acceptable for tap water per EPA Risk-based Concentrations (RBCs). However, the arsenic levels are below the District of Columbia Municipal Regulations (DC criteria) levels, and DC has no criteria for antimony. Additionally, groundwater collected from B-11 (in the apparent downgradient direction of B-4) contained elevated levels of both arsenic and lead.

Laboratory analysis of all soil samples collected indicated that several materials were detected onsite at below-RBC levels. Two materials were detected at higher than RBC levels. Benzo (a) pyrene was detected at B-11. Benzo (a) pyrene is one of a group of compounds called polycyclic aromatic hydrocarbons (PAHs). They are not produced or used commercially but are very commonly found since they are formed as a result of incomplete combustion of organic materials. It is typically found at locations near coal tar, asphalt and vehicle exhaust. Arsenic was also found at the B-11 location at a concentration greater than the RBCs, as well as at boring locations B-3, B-4 and B-5. All of these detections may be indicative of the past onsite use of this property as a coal storage yard. For additional comparison, the average arsenic concentration reported by the USGS (in Element Concentrations in Soils and other Surficial Materials of the Conterminous United States) is 7.2 ppm.

#### 4.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the results of this investigation, there is evidence that soil and groundwater has been affected by releases of petroleum hydrocarbons, and the presence of combustion products and metals.

TPH was detected in groundwater at two locations (B-2, at the northern property boundary, and at B-11, downgradient of the AST on the southern portion of the property). Possible sources include releases from an offsite source or onsite historic petroleum transfer operations.

Elevated arsenic in site soils may be due to past site use regarding coal storage, although they may be indicative of localized background concentrations. The elevated arsenic and lead in groundwater may be from upgradient properties, including a former gas station and salvage yard, as the elevated concentrations are higher in the apparent upgradient locations, from prior onsite coal storage, or from area-wide sources. Groundwater in this area is not used for drinking water purposes.

Soil and groundwater conditions at the subject property would not be expected to affect the current land use, thus further investigation of the subject property does not appear to be warranted at this time. The site is currently covered by an asphalt parking lot. However, if development of the subject property requires contact with affected soil and groundwater, further soil and groundwater investigation would be required to evaluate the need for special handling of excavated soil and dewatering disposal.

#### 5.0 LIMITATIONS

The results of this investigation apply only to the specific locations sampled and should not be used to predict conditions on other portions of the property. The results should not be used to predict soil or groundwater conditions at other locations or in the future. The results should be used only to meet the objective of this investigation as set forth in the scope of work.

If you have any questions regarding this report, or if URS can be of further assistance, please do not hesitate to call.

Sincerely,

**URS CORPORATION**



Roger Naylor  
Environmental Scientist



Carol Maslanka  
Senior Project Manager

Attachments



**Table 1**  
**Sampling Summary - Water**  
**Buzzard Point Site, Washington, D.C.**

Boring/ Parameter	EP	WP	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	DC Criteria	EPA RBCs
TPH-DRO	ND	ND	ND	ND	NS	ND	NS	NS	NS	ND	NS	ND	550	ND	None	None
TPH-GRO	ND	ND	ND	110	NS	ND	NS	NS	NS	ND	NS	ND	180	ND	None	None
PCB	NA	NA	NA	ND	NS	ND	NS	NS	NS	NA	NS	ND	ND	NA		
VOC																
Naphthalene	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	ND	ND	NA		
Acetone	NA	NA	NA	NA	NS	19	BS	NS	NS	NA	NS	ND	ND	NA	None	5,500
o-Xylene	NA	NA	NA	NA	NS	1	NS	NS	NS	NA	NS	ND	ND	NA	10,000	210
SVOCs	NA	NA	NA	NA	NS	NA	NS	NS	NS	NA	NS	NA	ND	NA		
PPMetals																
Antimony	NA	NA	NA	NA	NS	32	NS	NS	NS	NA	NS	NA	ND	NA	None	15
Arsenic	NA	NA	NA	NA	NS	15	NS	NS	NS	NA	NS	NA	9.6	NA	50	0.045
Chromium	NA	NA	NA	NA	NS	31	NS	NS	NS	NA	NS	NA	17	NA	100	55,000
Copper	NA	NA	NA	NA	NS	74	NS	NS	NS	NA	NS	NA	91	NA	1,000	1,500
Lead	NA	NA	NA	NA	NS	8,800	NS	NS	NS	NA	NS	NA	1,900	NA	50	None
Mercury	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	NA	2.1	NA	None	3.7*
Nickel	NA	NA	NA	NA	NS	56	NS	NS	NS	NA	NS	NA	17	NA	None	730
Selenium	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	NA	11	NA	50	180
Silver	NA	NA	NA	NA	NS	ND	NS	NS	NS	NA	NS	NA	6.4	NA	50	180
Zinc	NA	NA	NA	NA	NS	220	NS	NS	NS	NA	NS	NA	780	NA	5,000	11,000

Note: Only parameters detected are listed on table.  
NA = not included in requested analysis  
NS = not sampled or no groundwater obtained  
ND = not detected above quantitation limit  
Units in micrograms per liter (µg/L or parts per billion)  
U.S. EPA Region III Risk-based Concentrations (RBCs) for tap water, 10/08/2004  
DC Criteria = District of Columbia Municipal Regulations  
\* methylmercury

**Table 2**  
**Sampling Summary - Soil**  
**Buzzard Point Site, Washington, D.C.**

Boring/ Parameter	EP	WP	B-1	B-2	B-3	B-4	B-5	B-6	B-7	B-8	B-9	B-10	B-11	B-12	EPA RBCs
TPH-DRO	NS	NS	29	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	None
TPH-GRO	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.2	ND	None
PCB	NS	NS	NA	ND	ND	ND	ND	ND	ND	NA	ND	ND	ND	NA	
VOC															
Naphthalene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	ND	0.009	0.079	NA	20,000
SVOC															
Fluoranthene	NS	NS	NA	NA	ND	0.055	ND	NA	NA	NA	NA	NA	ND	NA	41,000
Naphthalene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	3.2	NA	20,000
2-Methylnaphthalene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.1	NA	4,100
Dibenzofuran	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.3	NA	2,000
Fluorene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.6	NA	41,000
Phenanthrene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	8.9	NA	None
Anthracene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.6	NA	310,000
Carbazole	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.0	NA	140
Fluoranthene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	5.7	NA	39
Acenaphthylene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.3	NA	61,000
Pyrene	NS	NS	NA	NA	ND	0.048	ND	NA	NA	NA	NA	NA	5.1	NA	31,000
Benzo (a) anthracene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	2.1	NA	3.9
Benzo(b,k)fluoranthene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	2.8	NA	3.9
Benzo (a) pyrene	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	1.7	NA	0.39
Chrysene	NS	NS	NA	NA	ND	0.055	ND	NA	NA	NA	NA	NA	ND	NA	390
PPMetals															
Arsenic	NS	NS	NA	NA	5.1	3.1	4.9	NA	NA	NA	NA	NA	9.0	NA	1.9
Chromium	NS	NS	NA	NA	19	12	21	NA	NA	NA	NA	NA	11	NA	1,500,000
Copper	NS	NS	NA	NA	17	17	22	NA	NA	NA	NA	NA	26	NA	41,000
Lead	NS	NS	NA	NA	13	84	45	NA	NA	NA	NA	NA	120	NA	None
Mercury	NS	NS	NA	NA	ND	ND	ND	NA	NA	NA	NA	NA	0.24	NA	None
Nickel	NS	NS	NA	NA	12	17	9.3	NA	NA	NA	NA	NA	8.5	NA	20,000
Zinc	NS	NS	NA	NA	39	52	34	NA	NA	NA	NA	NA	67	NA	310,000

Note: Only parameters detected are listed on table.  
 NA = not included in requested analysis  
 NS = not sampled  
 ND = not detected above quantitation limit

Units expressed in milligrams per kilogram (mg/kg or parts per million)  
 U.S. EPA Region III Risk-based Concentrations (RBCs), industrial soil, 10/2004  
 DC Criteria are not available for soils at non-UST sites.

**Attachment 1**  
**Scope of Work**



December 10, 2004

Ms. Gail S. Kingman  
Strategic Sourcing  
Potomac Electric Power Company  
701 Ninth Street NW, Room 9441  
Washington DC 20068-0001

**Subject: Limited Phase II Investigation  
Buzzard Point Site  
Squares 609 and 611  
2<sup>nd</sup> Street SW/V Street SW  
Washington, D.C.  
Proposal No. PHI- 005 revised**

Dear Ms. Kingman:

As requested by Mr. Shahid Anis, URS Corporation (URS) is pleased to offer Potomac Electric Power Company (PEPCo) this proposal to conduct a Limited Phase II Investigation at the above-referenced property. URS conducted a Phase I Environmental Site Assessment (ESA) of the subject property on September 16, 2004 (draft report dated October 13, 2004). Based on a review of available information, it is apparent that the subject property has a long history of industrial use. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as the pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property.

In addition, the Phase I ESA identified the following offsite properties that are likely to create a Recognized Environmental Conditions on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation;
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil;
- the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW) which was also identified has having TPH contaminants in soil; and
- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

URS Corporation  
200 Orchard Ridge Drive, Suite 101  
Gaithersburg, MD 20878-1978  
301-258-9780 Phone  
301-869-8728 Fax



Ms. Gail Kingman  
Potomac Electric Power Company  
December 10, 2004  
Page 2 of 6

A Limited Phase II investigation is recommended to evaluate potential impacts from the onsite and offsite concerns identified.

## 1.0 PROPOSED INVESTIGATION

URS proposes to conduct a Limited Phase II Investigation to evaluate potential impacts associated with the onsite historical uses and from the offsite concerns to the soil and groundwater beneath the subject property. The proposed Limited Phase II will include using direct-push drilling (e.g., Geoprobe) to acquire samples of subsurface soils and groundwater. The Phase II Investigation is not intended to assess the extent of contamination, if any. Rather, a limited number of samples will be collected to evaluate the presence or absence of subsurface contamination.

URS will subcontract with a qualified Geoprobe contractor and analytical laboratory for the proposed investigation.

URS proposes to conduct the following tasks for this investigation:

### Task 1 – Utility Clearance

The public utility locating service (i.e., Miss Utility) will be called to mark public utilities. URS will review available site-specific utility plans and locate the proposed borings at locations that should not impact subsurface utilities. URS and our subcontractors will not be responsible for any damage to underground utilities.

### Task 2 - Field Investigation

URS' Geoprobe subcontractor will mobilize to the subject property and will collect samples from approximately 12 boring locations as indicated on the attached figure. Three borings will be conducted proximate to the onsite oil storage tank, former underground oil pipeline and pits on the south side of the property. Four borings will be conducted near the northern and eastern boundaries of the subject property that are nearest to the offsite concerns identified above. Three borings will be conducted near the central portion of the property beneath the former coal storage area and rail spur. Two borings will be conducted on the south side of the subject property downgradient of the oil storage tank. Due to the presence of underground equipment, utilities and other obstructions, exact boring locations will be determined in the field prior to sampling. At each location, a truck-mounted hydraulic sampling probe will be pushed or driven until groundwater is first encountered (if less than 30 feet). Using the dedicated soil sampling probe, soil samples will be obtained to the top of the water table as observed during sampling. One soil sample per boring exhibiting elevated



levels of volatile organic compounds (VOCs) based on field screening with a photoionization detector (PID), or visual signs of contamination will be selected for subsequent laboratory analysis. If no signs of contamination are present in a boring, one representative soil sample from each boring will be selected for laboratory analysis.

Following soil sampling, the probe will be removed and equipped with the groundwater sampling probe and reintroduced into the borehole to obtain a groundwater sample. To avoid sample disturbance and loss of volatiles, the water sample will be collected using dedicated polypropylene bailers or tubing. The sample will be collected into pre-cleaned laboratory bottles. Groundwater is expected to be encountered at approximately 15 feet below ground surface (bgs). If no groundwater is encountered at a depth of 30 feet bgs or less, no groundwater samples will be collected.

In addition to the samples collected from the boring locations, one grab sample of the liquid contained in each of the two onsite pits will be collected for laboratory analysis.

The soil and water samples will be analyzed for VOCs by EPA Method 8260B, semi-volatile organic compounds (SVOCs) by EPA Method 8270, Priority Pollutant (PP) Metals by EPA Method 200.8, TPH Gasoline Range Organics and Diesel Range Organics (TPH-GRO and TPH-DRO) by USEPA Method 8015, and polychlorinated bi-phenyls (PCBs) by EPA Method 8082. Additional sampling will be considered if evidence of contamination is noted. For cost reasons, not all samples collected will be analyzed for all of these parameters. The proposed laboratory analysis for each sample location is shown in the table below.

Proposed Laboratory Analysis (soil and groundwater)  
Buzzard Point Site  
Washington, D.C.

Proposed Sample Location	Proposed Parameters For Laboratory Analysis
Borings 1, 4, 8 and 12	TPH-DRO, TPH-GRO
Borings 2, 6 and 7	TPH-DRO, TPH-GRO, PCBs
Borings 3, 5 and 11	TPH-DRO, TPH-GRO, VOCs, SVOCs, PP Metals, PCBs
Borings 9 and 10	TPH-DRO, TPH-GRO, VOCs, PCBs
Two Pits Beside Oil Tank (water only)	TPH-DRO, TPH-GRO



All boring locations will be properly abandoned and the ground surface repaired to match existing grade upon completion of sampling.

Task 3 - Data Evaluation and Reporting

Upon receipt and evaluation of the analytical results, URS will prepare a letter report which discusses the field activities, drawings showing sampling locations and results obtained, and conclusions and recommendations. The analytical results will be compared to the Washington D.C. Soil and Groundwater Clean-up Standards. Depending on the results of the sampling, additional investigation involving the collection of additional soil and groundwater samples may be necessary.

**2.0 SCHEDULE**

URS is prepared to begin work shortly following authorization to proceed. Subject to utility clearance and Geoprobe subcontractor availability, soil and groundwater sampling activities can be completed within two weeks of site access. Offsite laboratory analysis will be completed in five business days. URS' draft report will be submitted within one week of receipt of final analytical data. In summary, the Phase II investigation will be completed in approximately four weeks from our receipt of authorization to proceed. The proposed schedule assumes that there will be no delays due to site access, equipment malfunctions, weather conditions or other events beyond URS' control. PEPCo shall arrange site access for URS personnel and subcontractor with the current tenant (National Geospatial Intelligence Agency) for completion of the fieldwork at a mutually acceptable time.

**3.0 ESTIMATED FEE AND TERMS AND CONDITIONS**

URS proposes to conduct the scope of services described in Section 1.0 on a time and expense basis as follows:

URS Labor:

- Principal Engineer/Scientist
- Project Engineer/Scientist
- Industrial Hygienist
- Project Engineer/Scientist
- Graduate Engineer/Scientist
- Word Processing/Graphics

**Subtotal**



Ms. Gail Kingman  
Potomac Electric Power Company  
December 10, 2004  
Page 5 of 6

Subcontractors: (assumes 2-field days)

Geoprobe Sampling  
(includes mobilization, disposable equipment, decon)  
Premium for weekend work (\$400/day)

**Subtotal**

Laboratory Analysis

Groundwater, Soil, Pit Samples (as shown on page 3 of this proposal).

VOCs  
SVOCs  
PP metals  
TPH-GRO  
TPH-DRO  
PCBs

**Subtotal**

Equipment and Expenses (assumes 2-days in field)

PID  
Expenses

**Subtotal**

**Total (URS Labor, Subs., Equipment and Expenses)**

We will not exceed our cost estimate without prior authorization from the Client. Any variations to the schedule, scope of work, or site description may require a modification of the project fee. The fee quoted in this section is valid for a period of 30 days.

URS proposes to conduct the scope of services described in Section 2.0 in accordance with the same terms and conditions as the Phase I ESA that was conducted by URS.





Ms. Gail Kingman  
Potomac Electric Power Company  
December 10, 2004  
Page 6 of 6

If you have any questions regarding this proposal or require any additional information, please do not hesitate to call. We look forward to assisting you on this project.

Sincerely,  
**URS Corporation**

Carol Maslanka  
Senior Project Manager

Greg Deaver  
Vice President

By: \_\_\_\_\_  
Authorization By Party Guaranteeing Payment  
Limited Phase II Investigation  
Buzzard Point Site

\_\_\_\_\_  
Printed Name and Title of Signatory

\_\_\_\_\_  
Date

P:\Gaithersburg\15297096.01000-PEPCO BUZZARD\PEPCO BUZZARD 2.CDR (02/03/05) SS



PARKING LOT

Ft. McNAIR BUILDING

JAMES CREEK MARINA

LEGEND:

⊕ Boring Location

SUPER SALVAGE

S STREET SW

STORAGE BUILDING

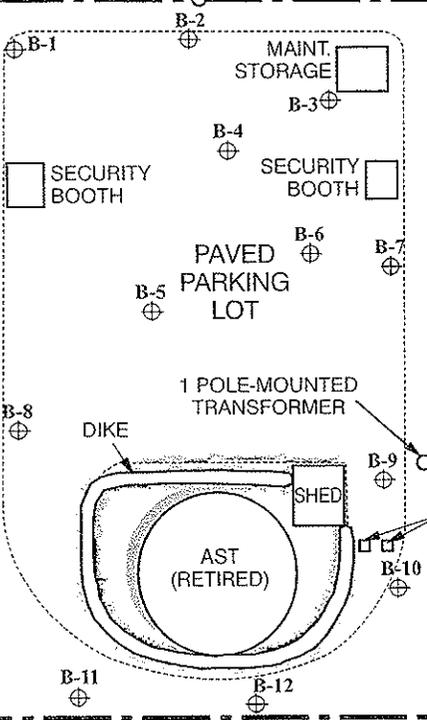
PARKING LOT (FORMER GAS STATION)

T STREET SW

1 POLE-MOUNTED TRANSFORMER

2nd STREET SW

1st STREET SW



V STREET SW

US COAST GUARD HEADQUARTERS OFFICE BUILDING

FIGURE 1 BORING LOCATION MAP PEPCO-BUZZARD POINT 2nd ST SW/V ST SW WASHINGTON, D.C.

PEPCO # 2 OIL TANK YARD

PEPCO GAS COMBUSTION TURBINE YARD (COURTYARD)

PEPCO TURBINE COMBUSTION YARD (ACTIVE)

(INACTIVE) PEPCO GENERATING STATION

VACANT, VEGETATED LOT

NOT TO SCALE



**Attachment 2**  
**Site Photographs**

**Client Name:**  
Potomac Electric Power Company

**Site Location:**  
Buzzard Point, 2<sup>nd</sup> Street and V Street, S.W.,  
Washington, D.C.

**Project No.**  
15297096.01000

**Photo No.**  
1

**Date:**  
1-15-05

**Direction Photo Taken:**

West-northwest

**Description:**

Boring being conducted on the central portion of the subject property.



**Photo No.**  
2

**Date:**  
1-16-05

**Direction Photo Taken:**

North

**Description:**

Boring B-3 being conducted on the northeast corner of the subject property.



<b>Client Name:</b> Potomac Electric Power Company	<b>Site Location:</b> Buzzard Point, 2 <sup>nd</sup> Street and V Street, S.W., Washington, D.C.	<b>Project No.</b> 15297096.01000
---	--	--------------------------------------

<b>Photo No.</b> 3	<b>Date:</b> 1-16-05
<b>Direction Photo Taken:</b>  East	

**Description:**  
  
Groundwater being pumped from Boring B-10. Silicon tubing and a small pump are used to pump groundwater into sample bottles.



<b>Photo No.</b> 4	<b>Date:</b> 1-15-05
<b>Direction Photo Taken:</b>  Northeast	

**Description:**  
  
Boring B-9 being conducted near the southeast portion of the subject property.



**Client Name:**

Potomac Electric Power Company

**Site Location:**Buzzard Point, 2<sup>nd</sup> Street and V Street, S.W.,  
Washington, D.C.**Project No.**

15297096.01000

**Photo No.**  
5**Date:**  
1-15-05**Direction Photo Taken:**

West

**Description:**

West pit located adjacent to the petroleum AST.

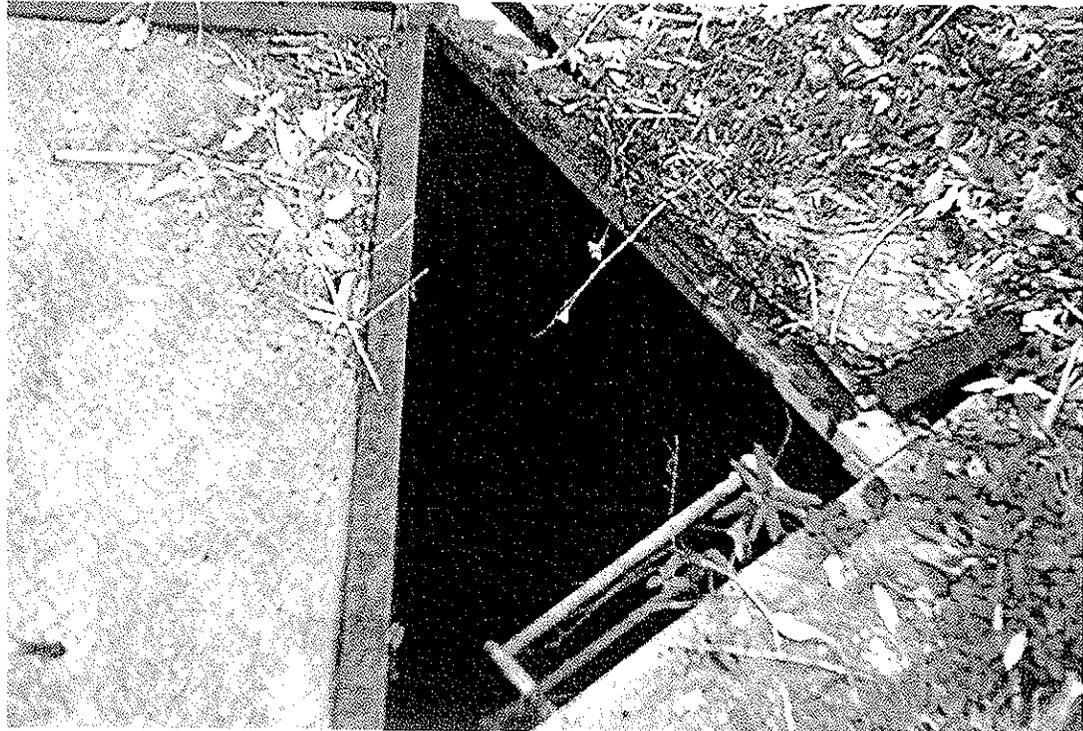
**Photo No.**  
6**Date:**  
1-15-05**Direction Photo Taken:**

East

**Description:**

East pit located adjacent to the fence near the southeast corner of the subject property.



<b>Client Name:</b> Potomac Electric Power Company		<b>Site Location:</b> Buzzard Point, 2 <sup>nd</sup> Street and V Street, S.W., Washington, D.C.	<b>Project No.</b> 15297096.01000
<b>Photo No.</b> 7	<b>Date:</b> 1-15-05		
<b>Direction Photo Taken:</b>  NA			
<b>Description:</b>  Interior of west pit. Liquid is present in the pit approximately 8 feet below ground surface.			

<b>Photo No.</b> 8	<b>Date:</b> 1-16-05	
<b>Direction Photo Taken:</b>  Southeast		
<b>Description:</b>  PVC tubing and silicon sampling tubing at Boring B-10 located on the southeast corner of the subject property.		

PHASE I ENVIRONMENTAL SITE  
ASSESSMENT  
BUZZARD POINT PROPERTY  
(SQUARES 609 & 611)  
2<sup>ND</sup> ST SW / V ST SW  
WASHINGTON DC

*Prepared for*  
PEPCo Holdings Inc.  
701 Ninth Street NW  
Washington DC 20001

April 4, 2005

**URS**

URS Corporation, Inc.  
200 Orchard Ridge Drive, Suite 101  
Gaithersburg, Maryland 20878  
URS Project No. 15296734



# TABLE OF CONTENTS

---

Executive Summary .....	ES-1	
<b>Section 1</b>	<b>Introduction .....</b>	<b>1-1</b>
1.1	Objective .....	1-1
1.2	Scope of Work .....	1-1
1.3	Limiting Conditions .....	1-2
1.4	Limitations of the Assessment .....	1-2
<b>Section 2</b>	<b>Site Description.....</b>	<b>2-1</b>
2.1	Physical Location and Description of Property .....	2-1
2.2	Environmental Setting .....	2-1
2.2.1	Topography and Surface Water Characteristics .....	2-1
2.2.2	Local Geology, Soils and Groundwater.....	2-1
<b>Section 3</b>	<b>Historic Site and Surrounding Property Conditions .....</b>	<b>3-1</b>
3.1	Current and Prior Ownership .....	3-1
3.2	Site History .....	3-1
3.3	Interviews.....	3-1
3.4	Previous Reports .....	3-2
3.5	Aerial Photographs and Topographic Maps .....	3-4
3.6	Other Documents .....	3-4
3.7	Historical Summary .....	3-7
<b>Section 4</b>	<b>Site Inspection.....</b>	<b>4-1</b>
4.1	Current Uses of the Property.....	4-1
4.2	Site Observations .....	4-1
4.2.1	Easements and Utilities.....	4-1
4.2.2	Stormwater.....	4-1
4.2.3	Hazardous Substances and Wastes .....	4-1
4.2.4	Underground/Aboveground Storage Tanks .....	4-2
4.2.5	PCB-Containing Equipment .....	4-2
4.2.6	Solid Waste .....	4-2
4.2.7	Wastewater.....	4-2
4.2.8	Wells .....	4-2
4.2.9	Sumps, Pits, Ponds, and Lagoons .....	4-2
4.2.10	Other Physical Evidence of Contamination.....	4-3
4.3	Current Uses of Adjoining Properties.....	4-3
4.4	Surrounding Properties of Potential Environmental Concern .....	4-3
<b>Section 5</b>	<b>Regulatory Agency Review .....</b>	<b>5-1</b>
5.1	Environmental Database Review .....	5-1
5.2	Regulatory Agency Contact.....	5-4

# TABLE OF CONTENTS

---

Section 6	Conclusions .....	6-1
	6.1 Onsite Recognized Environmental Conditions .....	6-1
	6.2 Offsite Recognized Environmental Conditions .....	6-1
Section 7	References.....	7-1

## List of Tables, Figures and Appendices

---

<b>Tables</b>		<b>Page</b>
Table 1	Summary of Historical Information.....	3-2
Table 2	Environmental Database Summary.....	5-1

### **Figures**

Figure 1	Site Location Map
Figure 2	Site Plan

### **Appendices**

Appendix A	Previous Reports
Appendix B	Historical Documents
Appendix C	UST Documents
Appendix D	Resumes of URS Personnel
Appendix E	Site Photographs
Appendix F	EDR Database Search
Appendix G	Regulatory Agency Contacts

PEPCo Holdings Inc. (PHI) retained URS Corporation (URS) to conduct a Phase I Environmental Site Assessment (ESA) of the Buzzard Point site located between T and V Streets SW and 1<sup>st</sup> and 2<sup>nd</sup> Streets SW (Squares 609 and 611) in Southwest Washington DC (the Property or the subject property). PHI is planning to sell the Property. The purpose of URS' Phase I ESA was to evaluate whether current or historical activities on or near the subject property may have resulted in significant contamination by hazardous substances or wastes, also known as a Recognized Environmental Condition (REC). This ESA was performed in accordance with ASTM Practice E 1527-00 standards, URS' proposal dated August 6, 2004 and PEPCo's Purchase Order 4500003335 dated August 31, 2004.

The subject property is situated on a 1.593-acre (69,375 square foot) parcel of land in a predominantly industrial area of Washington DC known as Buzzard Point, and is currently used as an asphalt-paved parking lot leased to the National Geospatial Intelligence Agency (NGIA). The Property is one of five PEPCo properties located at Buzzard Point.

According to the information provided by site personnel, historical documents, and previous reports, the subject property once functioned as a coal storage yard. The PEPCo generating station, located on the adjacent property to the east, was activated in 1928 and was initially fueled by coal. Therefore, it is reasonable to assume that coal piles were located on the subject property as early as 1928. However, at some point in the late 1960's or early 1970's, the generating station switched from being coal-fired to fuel-fired. During this time period, the current 1.9-million gallon steel aboveground storage tank (AST) was constructed on the southern portion of the subject property. The AST contained fuel oil that fired the generating station's oil-fired steam generators through an underground pipeline that ran beneath 1<sup>st</sup> Street SW. The remaining coal piles were removed from the subject property by 1980. The AST was retired and the underground pipeline was filled in shortly after the generating station was decommissioned in 1981.

URS conducted a site reconnaissance of the Property on September 16, 2004 to identify current site uses and potential sources of hazardous substances both on the Property, and in the Property vicinity. The site reconnaissance consisted of visual inspection, interviews, and a pedestrian survey. No intrusive activities, such as soil and water sampling, were conducted as part of this ESA.

The Property is completely enclosed by a fence with two access points (one along 1<sup>st</sup> Street SW and one along 2<sup>nd</sup> Street SW). Each access point is guarded by a security located inside the parking lot. On the outside of the fence, the property is surrounded by a small grassy area followed by a public sidewalk. One small shed is located on the northeast corner of the property. The shed contains maintenance equipment such as brooms, salt, landscaping equipment, etc. that is used by the NGIA to maintain the parking lot. A second structure is located on the southern portion of the subject property next to the retired AST. The shed, which contains a fire pump, is within the dike and fenced area that encloses the AST. URS was unable enter the dike/fenced area containing the AST and the small fire pump shed. Pole-mounted lights, as well as small vegetated areas were observed throughout the parking lot.

No underground storage tanks were observed or reported on the subject property. There are two identical pits/subgrade structures located near the AST on the southeastern portion of the subject property. Site representatives did not know the function or purpose of the pits. No

environmental concerns related to hazardous materials, solid wastes, wastewater, or PCB-containing equipment were observed.

Soil sampling was conducted in 1990 on three of five PEPCo-owned Buzzard Point properties. The subject property, identified as Site 3 in the report, was included in the scope of the assessment; however, soil samples were not collected on the subject property because it was actively being used as a storage yard, parking lot, and maintenance area for vehicles. Sampling results from two of the three sites revealed soil contamination. Soil samples collected revealed the presence of total petroleum hydrocarbons (TPH) and ethylbenzene at Site 1, north of the Property, and the presence of TPH at the adjacent former PEPCo/Chevron gasoline station.

The District of Columbia, Department of Consumer and Regulatory Affairs, Underground Storage Tank Management Branch (DCRA) issued a directive requiring a Corrective Action Plan to be submitted regarding suspected groundwater contamination at the adjacent generating plant, and identified the case as LUST Case # 93-051. The DCRA Directive also identified the former PEPCo/Chevron gasoline station located at 180 S Street SW and the active PEPCo aboveground tank farm that provided fuel for the combustion turbine yard (CT Yard) as requiring additional assessment. Since 1993, PEPCo has conducted monthly monitoring and provided the results in quarterly reports to DCRA.

The most recent (August 2004) progress report of the groundwater remediation project at the adjacent generating plant states that since May 2003, samples have been taken quarterly at the three downgradient wells and results have been consistently below regulatory standards.

Environmental Data Resources, Inc. (EDR) was contracted to review state and federal records. Pertinent results of the EDR search are discussed in Section Five. Federal and State records researched by EDR indicate that no environmental records (such as those involving operating procedures, permits, spill and release incidents, air emissions, non-compliance events, tank removals, tank closures, waste storage and disposal, and polychlorinated biphenyls) exist for the Property.

Based on a review of available information, it is apparent that the subject property has a long history of industrial use. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as the pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property.

Based on the review of available information, the following offsite properties were identified that are likely to create a Recognized Environmental Conditions on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation,
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil,
- and the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW, three blocks north and upgradient) which was also identified as having TPH contaminants in soil, and

- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

Releases from these nearby sites have the potential to create a Recognized Environmental Condition on the subject property.

Further investigation is recommended.

This Executive Summary is not intended to be a "stand-alone" document, but a summary of our findings as described in the following report. It is intended to be used in conjunction with the scope of services and limitations described therein.

PEPCo Holdings Inc. (Client), retained URS Corporation (URS) to conduct a Phase I Environmental Site Assessment (ESA) of the Buzzard Point site located between T and V Streets SW and 1<sup>st</sup> and 2<sup>nd</sup> Streets S.W. (Squares 609 and 611) in Washington, D.C. (subject property or Property). This Phase I Environmental Site Assessment was conducted in conformance with the methods and procedures described in the American Society for Testing and Materials (ASTM) "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process" (Standard Designation E 1527-00). The Phase I ESA was also conducted in accordance with URS' proposal dated August 6, 2004 with reference to PEPCo's Purchase Order 4500003335 dated August 31, 2004. The Phase I ESA objectives, scope, and limitations are presented in the following sections.

## **1.1 OBJECTIVE**

The objective of URS' Phase I Environmental Site Assessment was to evaluate whether current or historical activities on or adjacent to the subject property may have resulted in a "Recognized Environmental Condition." A Recognized Environmental Condition is defined by ASTM as:

"The presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of a release of any hazardous substances or petroleum products into structures on the property or into the ground, groundwater or surface water of the property. The term includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public 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 are not recognized environmental conditions."

A Historical Recognized Environmental Condition is defined separately as:

"[An] environmental condition which in the past would have been considered a recognized environmental condition, but which may or may not be considered a recognized environmental condition currently. The final decision will be influenced by the current impact of the historical recognized environmental condition on the property."

## **1.2 SCOPE OF WORK**

URS' Scope of Work for the Phase I Environmental Site Assessment consisted of an inspection of the subject property and nearby area, a review of historical information on activities on the subject property, review of readily available regulatory information concerning the subject property and nearby properties of environmental concern, review of previous reports concerning nearby properties and preparation of a report detailing URS' results, conclusions, and recommendations.

### **1.3 LIMITING CONDITIONS**

URS' site inspection included a walking inspection of areas of the subject property that were accessible by foot, and a drive-by inspection of surrounding and adjacent properties, including those properties identified in the environmental database search. The following conditions limited URS' ability to inspect all areas of the subject property:

- An inactive aboveground storage tank (AST) located on the southern portion of the subject property is enclosed by a 6-foot concrete dike and fence. As a result, URS was unable to closely inspect the immediate surroundings of the tank.
- A small shed located beside the AST that reportedly contains a fire pump could not be accessed during the site inspection.

No other conditions that would limit URS' ability to complete the scope of work were encountered during the performance of the Environmental Site Assessment.

### **1.4 LIMITATIONS OF THE ASSESSMENT**

The Phase I Environmental Site Assessment was prepared in accordance with URS' proposal dated August 6, 2004. The work conducted by URS is limited to these services with and no other services beyond those explicitly stated should be inferred or are implied.

The conclusions presented in this report are professional opinions based solely upon URS' visual observations of the Property and adjacent properties, and upon URS' interpretations of the readily available historical information, conversations with personnel knowledgeable about the Property, and other readily available information, as referenced in the report. These conclusions are intended exclusively for the purpose stated herein, at the Property indicated, and for the project indicated.

URS has performed the scope of work set forth in the proposal related to this project, in specific reliance on the understandings and agreements reached between URS and PEPCo Holdings Inc. (Client). Without limiting the generality of the foregoing, and to insure that there are no misunderstandings regarding the scope of URS' activities, be advised that the Scope of Work did not include structural, electrical or mechanical issues, or other activities not expressly described in the proposals or in URS' report. Upon written request, URS will issue a proposal to expand the Scope of Work to include these or additional matters within our expertise.

The report(s) and any other information which URS prepared and submitted to Client in connection with this project (collectively, the "Reports") are for the sole use and benefit of Client for the property described in the report and may not be used or relied upon by any other person or entity without the prior written consent of Client and URS. Any such consent given by URS shall be deemed to be and shall be subject to the terms and conditions of the Proposals and the Agreement, including without limitation, the warranty, liability and indemnity terms thereof, and any person given such consent (Grantee) shall be deemed to have agreed to such terms and conditions by its use and reliance on the Reports. Such Grantee must also agree not to reveal the contents of the Reports to any other person or entity without the prior written consent of both Client and URS.



Client recognizes and agrees that:

- (1) The information in the Reports relates only to the properties specifically described in the Proposals and Reports and was presented in accordance with and subject to the scope of work described in the Proposals which were specifically agreed to by Client;
- (2) The information and conclusions provided in the Reports apply only to the subject properties as they existed at the time of URS' site examination. Should site use or conditions change or should there be changes in applicable laws, standards or technology, the information and conclusions in the Reports may no longer apply;
- (3) URS makes no representations regarding the value or marketability of these properties or their suitability for any particular use, and none should be inferred based on the Reports;
- (4) The Reports are intended to be used in their entirety and no excerpts may be taken to be representative of the findings of this investigation;
- (5) URS' services in the development of this report were conducted in a manner consistent with that level of care and skill ordinarily exercised by members of the same professions currently practicing in the same locality under similar conditions and no other guaranty, warranty, or representation, either express or implied, is included or intended herein.

The scope of services proposed are limited to visual observations of site conditions on the day inspected; review of readily available and relevant data; and, statements made and information provided by the Client, his agents, outside parties, and regulatory agencies. URS will exercise due and customary care in the conduct of its assessment but will not independently verify information provided by others. Therefore, URS will assume no liability for any loss resulting from errors or omissions arising from the use of inaccurate/incomplete information or misrepresentations made by others.

Information concerning the subject property was obtained from a site inspection conducted by Ms. Lynne McMullen of URS on September 16, 2004, interviews with representatives of the subject property owner, and review of the documents referenced in Section 7.0 of this report. Adjacent properties were inspected by Mr. Roger Naylor and Ms. Lynne McMullen both of URS on September 2, 2004. URS was escorted during both site visits by Mr. Shahid Anis, Environmental Consultant with PEPCo.

## **2.1 PHYSICAL LOCATION AND DESCRIPTION OF PROPERTY**

The subject property is one city block that is bordered by T and V Streets S.W. and 1<sup>st</sup> and 2<sup>nd</sup> Streets S.W. (identified as Square 609, Lot 804 and Square 611, Lots 810 and 19 on a city tax map). The Property is rectangular-shaped, situated on a 1.593-acre (69,375 square foot) parcel of land in a predominantly industrial area known as Buzzard Point in Washington D.C. The Property is currently used as an asphalt-paved parking lot that is leased to the National Geospatial Intelligence Agency.

Utilities available to the Property include electricity, natural gas, public water and sewer. A Site Location Map is presented as Figure 1, and a Site Plan is presented as Figure 2.

## **2.2 ENVIRONMENTAL SETTING**

Environmental characteristics including topography, geology, and hydrogeology were evaluated based on site observations, published literature, and maps.

### **2.2.1 Topography and Surface Water Characteristics**

According to the United States Geological Survey topographic map of the Alexandria, Virginia Quadrangle, 1965 (photorevised, 1983), the elevation of the subject property is approximately 14 feet above mean sea level (msl). The subject property is generally level, with the natural topographic gradient across the subject property being south-southeast.

Stormwater runoff on the subject property flows into the stormwater drains located on the edges of the parking lot, which discharge to the municipal storm sewer. The nearest surface bodies of water are the Anacostia River, the Potomac River, and Washington Channel. The Anacostia River is located approximately 330 feet southeast of the subject property; the Potomac River is approximately 3,630 feet southwest; and the Washington Channel is approximately 1,485 feet to the west. All three waterways converge at a point approximately  $\frac{3}{4}$  mile southwest of the Property and flow to the south. No surface impoundments were observed on the subject property.

### **2.2.2 Local Geology, Soils and Groundwater**

A review of selected information from public sources concerning the geology and hydrology of the Property and surrounding area indicate the following classification and characteristics.

#### **Geology**

The subject property is geologically located in the Atlantic Coastal Plain physiographic province, which consists of marine and fluvial sediments. The overburden at the Property generally

consists of deep deposits of alluvial soils. It is underlain by the Mesozoic Era, Cretaceous System, and Lower Cretaceous Series stratigraphic unit.

### **Soils**

According to the United States Department of Agriculture (USDA) *Soil Survey of District of Columbia* (1976), the soils mapped at the subject property consist of the "Urban Land". The Urban Land soil unit consists of areas where more than 80% of the surface is covered by asphalt, concrete, buildings, or other impervious surfaces. These areas include large areas where miscellaneous artificial fill was placed over swamps or streams.

Depth to bedrock was estimated at more than 5 feet below ground surface (bgs). The dominant soil composition in the vicinity is silt loam, which is moderately well drained. Subsurface soils consist mostly of quaternary aged sands, gravels and silts of the Wicomico Formation. Aquifer materials have very low permeability.

Soils collected during a previous investigation conducted by TPH Technology indicated that the subject property is located on the Pamlico Formation and Recent Alluvium which consists of gravel, sand and silt, and clayey fill.

### **Groundwater**

Groundwater in the area of the subject property is typically encountered approximately 15 to 20 feet bgs and flows west-southwest towards the convergence of the three waterways. General groundwater flow throughout D.C. is generally to the south towards the Potomac River. Areas located to the north are topographically, and assumed to be hydrogeologically, upgradient of the subject property. The groundwater in Washington DC is known to be impacted by various sources and is not used for a source of public drinking water supply.

### **Wetland and Flood Zone**

According to the USGS Alexandria, Virginia Quadrangle topographic map, the subject property was not identified as being located within a wetland area. There are no wetland areas within 1 mile of the subject property. According to the Federal Emergency Management Agency Flood Insurance Rate Map (community panel: 110001 0025B, effective November 15, 1985), the subject property is not located within a 100-year or 500-year flood zone.

The history of land use on and near the subject property was determined from interviews, review of historic aerial photographs, city directories, and the other documents referenced in Section 7.

### **3.1 CURRENT AND PRIOR OWNERSHIP**

PEPCo currently owns the subject property. A chain of title search was not included in the scope of work for this Phase I ESA.

### **3.2 SITE HISTORY**

According to the information provided by site personnel, historical documents, and previous reports, the subject property once functioned as a coal storage yard. The PEPCo generating station, located on the adjacent property to the east, was activated in 1928 and was initially fueled by coal. Therefore, it is reasonable to assume that coal piles were located on the subject property as early as 1928. However, at some point in the late 1960's or early 1970's, the generating station switched from being coal-fired to fuel-fired. It is during this time period that the current 1.9-million gallon steel aboveground storage tank (AST) was constructed on the southern portion of the subject property. The AST contained fuel oil that fired the generating station's oil-fired steam generators through an underground pipeline that ran beneath 1<sup>st</sup> Street SW. The remaining coal piles were removed from the subject property by 1980. The AST was retired and the underground pipeline was filled in shortly after the generating station was decommissioned in 1981.

During the 1980's and early 1990's, the subject property was leased out to W.A. Chester, Inc. and used as a storage yard, parking lot, and vehicle maintenance area. Currently, the subject property is being leased out to the National Geospatial Intelligence Agency who uses the Property as a secured employee automobile parking lot.

### **3.3 INTERVIEWS**

URS interviewed Shahid Anis, an engineer for PEPCo for the past 28 years. He was not aware of any incidents, unusual odors, stains or other conditions on the actual subject property that would indicate a potential environmental concern. However, Mr. Anis did report that there have been incidents that have occurred on adjacent PEPCo properties (specifically, the PEPCo generating station site adjacent to the east and the former gas station site adjacent to the north) that may present environmental concerns on the subject property. The two adjacent properties are discussed in further detail in section 3.4.

URS also interviewed Fariba Mahui, the PEPCo tank coordinator, regarding the decommissioning of the AST on the subject property in the early 1980's. Ms. Mahui reported that a hole was cut out of the tank to enable its cleaning and that the underground pipeline that fed the fuel in the tank to the generating station's steamers was filled in. Further documentation detailing the decommissioning of the tank and underground pipeline was not available.

### 3.4 PREVIOUS REPORTS

URS reviewed previous environmental reports provided by PEPCo concerning the subject property and the adjacent PEPCo properties. Copies of the previous reports are presented in Appendix A and are summarized below:

*Geomatrix, Inc., Assessment of the Buzzard Point Properties, 1990*

In 1990, Geomatrix Inc. conducted soil sampling on five PEPCo-owned Buzzard Point properties located in Southwest Washington D.C. The subject property, identified as Site 3 in the report, was included in the scope of the assessment. However, Geomatrix was unable to take soil samples on the subject property because it was actively being used as a storage yard, parking lot, and maintenance area for vehicles. The report states that the objective of the investigation was to determine if the sites were "environmentally clean". Geomatrix collected soil samples that were analyzed for total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, xylene (BTEX), polychlorinated biphenyls (PCBs), and EP toxicity metals. PEPCo's generating station (identified as Site 5) was not evaluated because it was actively being used as a substation.

Soil samples collected from the three other PEPCo sites revealed the following:

- Site 1 (Square 603, located at Q and 1st Streets SW, three blocks north and upgradient of the subject property) was being used as an office area and parking lot at the time of the investigation. The site contained active USTs and has a history of UST removal. Two of the soil samples were taken from a depth of 3 to 5 feet; two were taken from a depth of 8 to 10 feet. Of the four samples collected, one sample had a TPH concentration of 32 parts per million (ppm), TPH of 1440 ppm, and ethylbenzene of 1 ppm. None of the parameters analyzed were detected in the other two soil samples.
- Site 2 (Square 607, located between 2<sup>nd</sup> and T Streets SW, adjacent to the north and upgradient to the subject property) was being used as a filling station for PEPCO vehicles at the time of the investigation. All samples were collected from a depth of 0 to 2 feet. Of the thirteen samples collected, ten of the samples showed TPH concentrations ranging from 100 ppm to 360 ppm.
- Site 4 (Square 661, located at R and 1<sup>st</sup> Streets SW, approximately 330 feet northeast and upgradient to the subject property) was a vacant lot at the time of the investigation and was being used for storage of excavated soils. Soil samples were collected from a depth of 0 to 2 feet. None of the four samples collected revealed the presence of TPH, BTEX, or PCBs.

Geomatrix reported that the extent of TPH contamination at Site 1 was unknown. Concentrations of TPH at Site 2 were fairly well distributed throughout the site. It was concluded that the presence of TPH at Site 1 and 2 most likely resulted from prior and current activities at those two sites. Releases from these upgradient sites have the potential to create a REC on the subject property.

*TPH Technology, Incorporated, Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station, Half & S Streets SW, Washington, DC, DC LUST Case # 93-051, March 10, 1995*

According to the report, in 1968, an underground oil pipeline was installed at the combustion turbine yard (CT Yard), located on the northern portion of the generating station site (approximately 50 feet northeast and upgradient of the subject property), to transfer fuel oil from the AST farm located on the adjacent property to the north to the generating station. In the early 1970's, a leak was detected in the fuel oil pipeline and was repaired. However, in 1993, PEPCo personnel discovered the presence of petroleum in an onsite monitoring well. As a result, the District of Columbia, Department of Consumer and Regulatory Affairs, Underground Storage Tank Management Branch (DCRA) issued a directive requiring a Corrective Action Plan to be submitted for the suspected on-site groundwater contamination at the generating plant. The release was assigned LUST Case # 93-051. Under this plan, PEPCo was also required to continue monitoring all wells, remove free phase product, and submit monthly recovery reports until the case was deemed closed by DCRA. The DCRA Directive also identified the former PEPCo/Chevron gasoline station located at 180 S Street SW (the block adjacent to the north of the subject property and identified as Site 2 in the Geomatrix report) and the active PEPCo aboveground tank farm that provided fuel for the CT Yard (located approximately 500 feet northeast of the subject property) as requiring additional assessment. A Comprehensive Site Assessment (CSA) Report was written in August 1993 for the two properties, but was not available at the time this report was prepared.

Beginning in May 1993 and ending in January 1995, PEPCo installed a total of 23 monitoring wells throughout the generating station and CT Yard, as well as on the AST tank farm and former gas station site (as required by DCRA's directive). Both the soil and the groundwater samples revealed the presence of TPH and BTEX. The closest monitoring well to the subject property, MW-13, is located approximately 105 feet to the north on the adjacent former gas station. The soil cutting from MW-13 was found to have a TPH concentration of less than 29.8 mg/kg and a BTEX concentration of .02392 mg/kg. PEPCo's proposed remedial method was "to remove free-phase and adsorbed-phase product from the soil and groundwater beneath the CT Yard, and then allow natural processes to reduce soluble hydrocarbon concentrations once the free-phase and adsorbed-phase products were removed." Since 1993, PEPCo has conducted monthly monitoring and provided the results in quarterly reports to DCRA.

*PEPCo, Buzzard Point Station – LUST Case # 93-051, Progress Report, August 19, 2004*

In August of 2004, PEPCo submitted a progress report of the groundwater remediation project at the adjacent generating plant to the DCRA Underground Storage Tank Division. The report provided a summary of the site activities and analytical results of groundwater samples for three downgradient wells (located approximately 200 feet upgradient to the east and northeast of the subject property) for the period of April through July 2004. At the three wells (which are considered immediately downgradient of the CT Yard and Tank Farm), the results from the August 2004 sampling were fairly similar to the results of the March 2004 sampling. BTEX levels remained below Maximum Contaminants Levels (MCLs) for drinking water. Furthermore, TPH levels remained below the District of Columbia Water Quality Standards. The report states that since May 2003, samples have been taken quarterly at the three downgradient wells and results have been consistently below regulatory standards. According to the report, the "results

indicate that the contamination is confined to the site and due to a flat gradient, groundwater has no flow movement to leach the contamination outside the site boundary.”

URS obtained documents from the PEPCo office providing information on USTs that were historically and currently located on adjacent PEPCo properties. Copies of these documents are provided in Appendix C.

- At one time, the adjacent property to the north (the former PEPCo/Chevron filling station) had two 6,000-gallon USTs which were owned by Chevron. One UST contained leaded gasoline and the other contained diesel fuel. These two tanks were removed in November 1988. There was also a 20,000-gallon gasoline UST, owned by PEPCo, which was removed in August 1993. According to PEPCo personnel, there are no longer any USTs located at the former filling station site.
- There have been several USTs removed from the adjacent property to the east (the PEPCo generating station and CT yard). According to documentation, four 2,000-gallon USTs (installed in 1968) containing waste oil were removed from the ground from 1991 until 1993. In addition, two 10,000-gallon USTs containing # 2 fuel oil, one 2,000-gallon UST containing fuel additive, and one 500-gallon UST containing varsol (installation dates unknown) were filled in with inert material in June 1984.
- According to site personnel and documentation, only two USTs remain. Two 4,000-gallon USTs are located at the adjacent generating plant and CT yard and contain waste oil. These tanks were installed in September 1993.

**3.5 AERIAL PHOTOGRAPHS AND TOPOGRAPHIC MAPS**

URS reviewed historical aerial photographs and topographical maps that covered the area of the subject property. The USGS Alexandria Quadrangle topographic maps, 1956, 1965 (photo-revised 1971, 1972, 1979), and 1994 were reviewed. Aerial photographs were available from 1948, 1957, 1963, 1970, 1980, 1988 and 2002. The following table summarizes this information. Photocopies of the historical aerial photographs and topographical maps are provided in Appendix B.

**Table 1  
Summary of Historical Information  
Buzzard Point  
1<sup>st</sup> Street SW/V Street SW  
Washington DC**

<b>Date</b>	<b>Location</b>	<b>Observation</b>	<b>Source</b>
1948	Subject Property	Coal piles and what appears to be a conveyor are present	Aerial Photo
	Adjacent	North: Many small square structures, most likely residences East: PEPCo generating station South: Mostly wooded land with a few small structures West: Several large buildings, most likely Ft. McNair housing	

# SECTION THREE

## Historic Site and Surrounding Property Conditions

Date	Location	Observation	Source
1956	Subject Property	A rail spur and a small building are shown	Topographic Map
	Adjacent	North: Vacant East: PEPCo generating station South: A few small square structures West: Several large buildings, most likely Ft. McNair housing	
1957	Subject Property	Coal piles are present. A small building and conveyor belts are shown.	Aerial Photo
	Adjacent	North: Several clumps of trees with only a few small structures. East: PEPCo generating station South: Mostly wooded land with a few small structures West: Several large buildings, most likely Ft. McNair housing	
1963	Subject Property	Coal piles are present. A small building and conveyor belts are shown.	Aerial Photo
	Adjacent	North: Small structures, most likely residential East: PEPCo generating station South: Cleared land with a large building on the Anacostia River waterfront West: Several large buildings, most likely Ft. McNair housing	
1965	Subject Property	A rail spur is present	Topographic Map
	Adjacent	North: Vacant East: PEPCo generating station South: Three small square structures West: Several large buildings, most likely Ft. McNair housing	
1970	Subject Property	Coal piles are present. A small building and conveyor belts are shown. A large AST is on the southern portion of the property.	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion East: PEPCo generating station and PEPCo combustion turbine yard South: Cleared land with a large building on the Anacostia River waterfront West: Several large buildings, most likely Ft. McNair housing	
1971 and 1972	Subject Property	A rail spur and a small building are shown. Also, the AST is shown on the southern portion of the property.	Topographic Maps
	Adjacent	North: Vacant East: PEPCo generating station South: Three small square structures West: Several large buildings, most likely Ft. McNair housing	
1979	Subject Property	Coal piles are present. A small building and conveyor belts are shown. A large AST is on the southern portion of the property.	Topographic Map
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large structure, most likely the current US Coast Guard Headquarters office building West: Several large buildings, most likely Ft. McNair housing	



# SECTION THREE

# Historic Site and Surrounding Property Conditions

Date	Location	Observation	Source
1980	Subject Property	The AST is present as well as several smaller structures (i.e. trailers). (The coal piles and conveyor belts are no longer shown).	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large rectangular structure, most likely the current US Coast Guard Headquarters office building West: Several large buildings, most likely Ft. McNair housing	
1988	Subject Property	The AST is present	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large rectangular structure, most likely the current US Coast Guard Headquarters office building West: Cleared, vacant land	
1994	Subject Property	The AST is present.	Topographic Map
	Adjacent	North: One rectangular building is shown on the northern portion (may be the former filling station) East: PEPCo generating station and PEPCo combustion turbine yard South: Large structure, most likely the current US Coast Guard Headquarters office building West: Large rectangular structure, most likely current Fort McNair building	
2002	Subject Property	AST is present as well as an asphalt paved parking lot.	Aerial Photo
	Adjacent	North: One rectangular building is shown on the northern portion surrounded by an empty parking lot East: PEPCo generating station and PEPCo combustion turbine yard South: Large structure, most likely the current US Coast Guard Headquarters office building West: Large rectangular structure, most likely current Fort McNair building	

### 3.6 OTHER DOCUMENTS

URS also reviewed Sanborn Maps for the years 1984, 1988, 1990, 1991, 1992, and 1994 that covered the area of the subject property. From 1984 until 1994, the subject property is identified as a PEPCo storage yard. A fuel oil AST enclosed by a 6' dike is shown on the southern portion of the property. A small shed is shown next to the dike. There is a PEPCo parking lot with a private garage to the north, the PEPCo generating station and combustion turbine yard to the east, and a U.S. Government office building (most likely the existing US Coast Guard Headquarters) to the south. Adjacent properties to the north, east, and south primarily appear the same on each of the Sanborn Maps. However, use of the adjacent property to the west changes throughout time. The 1984 Sanborn map depicts US Government office buildings on the adjacent property to the west, the 1988 map depicts the property as a Government parking lot, and the 1990 through 1994 Sanborns portray the Ft. McNair National Defense University Academic Operations Center and associated parking lots. Photocopies of the Sanborn Maps are provided in Appendix B.

City directories were also reviewed for the subject property and surrounding properties for the years 1922 through 2000 (at approximately 5 year intervals). Between 1922 and 2000, the subject property is consistently identified as "address not listed in research source". Between 1922 and 1936, surrounding properties along 1<sup>st</sup> and 2<sup>nd</sup> Streets SW are described as either individual residences or vacant. From 1940 until 1969, all surrounding properties are listed as vacant. Between 1973 and 1993, the surrounding properties along V and 2<sup>nd</sup> Streets SW are identified as various types of office buildings such as the Electrical Security Corporation, Office Cleaning Inc., Westwood Management Corp, U.S. Railway Association, etc. Lastly, in the 2000 directory, the surrounding properties are identified as apartments, residences, and James Creek Marina along V Street SW and the U.S. Department of Transportation, U.S. Coast Guard Headquarters, and the National War College Alumni Association along 2<sup>nd</sup> Street SW. Photocopies of the city directories are provided in Appendix B.

### **3.7 HISTORICAL SUMMARY**

Based on URS' review of historical documents, the subject property was used for coal pile storage from as early as 1948 until 1979. The coal was used to fuel the adjacent PEPCo generating station. A 1.9-million gallon aboveground storage tank (AST) containing fuel oil with an underground pipeline was constructed on the property as early as 1970 to replace coal as the fuel source for the generating station. The coal piles and associated conveyor belts were removed from the subject property sometime between 1979 and 1980. According to PEPCo personnel and prior reports, the AST was decommissioned in 1981 at the same time that the adjacent generating station was decommissioned. From 1980 until 2002, the subject property was used as a storage yard, parking lot, and for vehicle maintenance. Based on the long history of industrial use at the subject property, past activities have a potential to create a REC on the subject property. In particular, potential releases from the onsite underground pipeline have the potential to create a REC.

Furthermore, several adjacent properties were identified that have the potential to create a REC on the subject property. According to the 1990 Geomatrix soil assessment of the five PEPCo properties located at Buzzard Point, soil samples taken from the PEPCo storage yard (located three blocks north and upgradient of the subject property) and PEPCo/Chevron former gas station (located adjacent to the north and upgradient of the subject property) revealed the presence of TPH. In addition, releases from the adjacent PEPCo generating station and the active CT Yard (LUST Case # 93-051) have the potential to create a Recognized Environmental Condition on the subject property.

URS inspected the subject property on September 16, 2004. URS' site inspection included a walking inspection of the entire parcel. The weather was warm and sunny. Resumes for URS personnel involved in the site inspection, interviews, and the preparation of this report are presented in Appendix D. Photographs taken during URS' site inspection are provided in Appendix E.

#### **4.1 CURRENT USES OF THE PROPERTY**

The Property is used as an asphalt-paved parking lot currently leased out to the National Geospatial Intelligence Agency (NGIA).

#### **4.2 SITE OBSERVATIONS**

Key features of the Property are described below and the layout and relevant features of the subject property are shown on Figure 2. The Property is completely enclosed by a fence with two access points (one along 1<sup>st</sup> Street SW and one along 2<sup>nd</sup> Street SW). Each access point is guarded by a security located inside the parking lot. On the outside of the fence, the property is surrounded by a small grassy area followed by a public sidewalk. One small shed is located on the northeast corner of the property. The shed contains maintenance equipment such as brooms, salt, landscaping equipment, etc. that is used by the NGIA to maintain the parking lot. A second structure is located on the southern portion of the subject property next to the retired AST. The shed, which contains a fire pump, is within the dike and fenced area that encloses the AST. As mentioned earlier in the report, URS was unable enter the dike/fenced area containing the AST and the small fire pump shed. Both structures were approximately 10-feet-by-10-feet and size and constructed of sheet metal. Pole-mounted lights, as well as small vegetated areas were observed throughout the parking lot.

##### **4.2.1 Easements and Utilities**

Electricity is supplied to the subject property area by Potomac Electric Power Company and natural gas is supplied by Washington Gas. Washington Water and Sewer Authority supplies water and sewer service to the subject property area.

Two pole-mounted transformers, one on the north side and one on the east side, are located outside the fence along the edge of the property. Storm drains were also observed along the streets.

##### **4.2.2 Stormwater**

Stormwater flows into intake drains that are located along the edges of the parking lot within the fence.

##### **4.2.3 Hazardous Substances and Wastes**

During the site visit, URS did not observe hazardous wastes or activities that would be considered likely to generate hazardous wastes on the subject property.

**4.2.4 Underground/Aboveground Storage Tanks**

URS observed no evidence of current USTs on the subject property at the time of the site inspection. There is a 1.9-million gallon AST located on the southern portion of the subject property. The AST stored fuel oil that fed oil-fired steam generators at the adjacent PEPCo generating station. The fuel was fed to the generating station via an underground pipeline underneath 1<sup>st</sup> Street SW. The AST was decommissioned when the generating station became inactive in 1981 and the underground pipe was filled in. The AST is enclosed by a 6 foot concrete dike and a fence. From outside of the dike/fence barrier, URS could not observe evidence of stains or leaks in the vicinity of the AST. Past releases of fuel oil, if any, from the underground pipeline have the potential to create a REC on the subject property.

**4.2.5 PCB-Containing Equipment**

No potential PCB-containing equipment was observed on the subject property.

**4.2.6 Solid Waste**

URS did observe small amounts of solid waste on the subject property. A thorough inspection of the AST and surrounding area was limited due to a fence and 6' concrete dike. However, from the outside of the fence and dike, URS did observe some debris inside the vegetated area surrounding the retired AST. The materials consisted of typical roadside debris items such as bottles, paper, etc., as well as rusted piping that most likely was removed from the AST when it was decommissioned in the early 1980's. The debris observed near the AST is unlikely to create a Recognized Environmental Condition on the subject property.

**4.2.7 Wastewater**

No wastewaters were observed or reported to be generated on the subject property.

**4.2.8 Wells**

No wells were observed or were reported to have ever existed on the subject property.

**4.2.9 Sumps, Pits, Ponds, and Lagoons**

There are two identical pits/subgrade structures located near the AST on the southeastern portion of the subject property (see Figure 2 and Photo No. 6). Site representatives did not know the function or purpose of the pits. The pits are approximately 5-foot by 7-foot in size and consisted of a concrete lined vault covered by thick metal lids that allowed for access into the pits. URS was unable to remove the metal covers; however, the pit closest to the AST was partially uncovered. Standing water could be seen approximately 5 feet down. The water did not appear to have oily sheens or unusual odors.

No other sumps, lagoons or other surface impoundments were observed on the subject property during the site inspection. Although the exact use of the pits is unknown, the structures may have been used as oil water separators or were associated with the former underground pipeline in some way. The pits have the potential to create a REC on the subject property.

**4.2.10 Other Physical Evidence of Contamination**

No other evidence of contamination, including staining of the soil and puddles of water having floating oil, topographic anomalies and distressed vegetation were identified during the site inspection.

**4.3 CURRENT USES OF ADJOINING PROPERTIES**

Adjacent properties were observed as follows:

- **North** T Street SW, followed by vacant parking lot and a storage building (a former gas station) which are owned by PEPCo, followed by S Street SW, and Super Salvage salvage yard.
- **East/Northeast** 1<sup>st</sup> Street SW, followed by the active PEPCo gas combustion turbine yard (on the northern portion of the adjacent property) and the inactive PEPCo generating station (on the southern portion of the adjacent property).
- **South** V Street SW, followed by the US Coast Guard Headquarters office building, followed by the Anacostia River.
- **Southeast** Intersection of V and 1<sup>st</sup> Streets SW, followed by a vacant, vegetated lot.
- **Southwest** Intersection of V and 2<sup>nd</sup> Streets SW, followed by James Creek Marina.
- **West/Northwest** 2<sup>nd</sup> Street SW, followed by a Fort McNair building and associated parking lot.

**4.4 SURROUNDING PROPERTIES OF POTENTIAL ENVIRONMENTAL CONCERN**

A drive-by/walking inspection of adjacent properties identified sites that have the potential to create a Recognized Environmental Condition on the subject property. The following sites were considered suspect, and received specific consideration:

- the former PEPCo generating station and CT Yard (adjacent to the east) which is currently undergoing groundwater remediation for LUST Case # 93-051,
- the former PEPCo/Chevron gas station (adjacent to the north) which was identified as having TPH contamination in soil, based on sampling that was conducted in 1990,
- the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW, three blocks north and upgradient of the subject property) which was also identified as having TPH contaminants in soil, and
- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils; potential releases from the debris have potential to create a REC

These facilities are discussed further in Sections 3.7 and 5.1, respectively.

**5.1 ENVIRONMENTAL DATABASE REVIEW**

URS reviewed information gathered from several environmental databases through Environmental Data Resources, Inc. (EDR) to evaluate whether activities on or near the subject property have the potential to create a Recognized Environmental Condition on the subject property. EDR reviews databases compiled by Federal, state, and local governmental agencies. The complete list of databases reviewed by EDR is provided in EDR's report, which is included in Appendix F. It should be noted that this information is reported as URS received it from EDR, which in turn reports information as it is provided in various government databases. It is not possible for either URS or EDR to verify the accuracy or completeness of information contained in these databases. However, the use of and reliance on this information is a generally accepted practice in the conduct of environmental due diligence. A description of the databases searched and the information obtained is summarized below:

**Table 2  
Environmental Database Summary  
Buzzard Point  
1<sup>st</sup> Street SW/V Street SW  
Washington DC**

Type of Database/Date	Description of Database/Effective Date	Radius Searched	Number of Sites Identified
NPL	The National Priorities List identifies uncontrolled or abandoned hazardous waste sites. To appear on the NPL, sites must have met or surpassed a predetermined hazard ranking system score, been chosen as a state's top priority site, pose a significant health or environmental threat, or be a site where the EPA has determined that remedial action is more cost-effective than removal action. Effective Date – 4/04	1mile	0
CERCLIS	The Comprehensive Environmental Response, Compensation, and Liability Information System (CERCLIS) database identifies hazardous waste sites that require investigation and possible remedial action to mitigate potential negative impacts on human health or the environment. Effective Date – 5/04	0.5 mile	1
CERCLIS-NFRAP	No Further Remedial Action Planned (NFRAP). As of February 1995 CERCLIS sites designated NFRAP have been removed from CERCLIS. NFRAP sites may be sites where, following an initial investigation, no contamination was found, contamination was removed quickly without the need for the site to be placed on the NPL, or the contamination was not serious enough to require Federal Superfund action or NPL consideration. Effective Date – 5/04	0.25 mile	0

<b>Type of Database/Date</b>	<b>Description of Database/Effective Date</b>	<b>Radius Searched</b>	<b>Number of Sites Identified</b>
RCRIS TSD	Resource Conservation & Recovery Information System treatment, storage, or disposal sites Effective Date – 6/04	0.5 mile	0
CORRACTS	Listing of RCRA facilities that are undergoing corrective action. Corrective actions may be required beyond the facility’s boundary and can be required regardless of when the release occurred, even if it predates RCRA. Effective Date – 6/04	1 mile	1
RCRIS Large Quantity Generators	RCRA-regulated hazardous waste generator notifiers list. Effective Date – 6/04	0.25 mile	0
RCRIS Small Quantity Generators	RCRA-regulated hazardous waste generator notifiers list. Effective Date – 6/04	0.25 mile	2
ERNS	EPA’s Emergency Response Notification System (ERNS) list contains reported spill records of oil and hazardous substances Effective Date – 12/03	Target Property	0
SHWS	State Hazardous Waste/Superfund permanent list of priorities Effective Date – N/A	N/A	N/A
LUST	List of information pertaining to all reported leaking underground storage tanks Effective Date – 4/04	0.5 mile	15
UST	State underground storage tank sites listing Effective Date – 4/04	0.25 mile	6

The actual subject property was not listed on any database searched by EDR. However, EDR mistakenly listed the PEPCo Buzzard Point Generating Station, located at 1<sup>st</sup> and V Street SW, as being on the subject property. The generating station appears on the UST, LUST, and RCRIS-SQG databases and is discussed in further detail below.

***Comprehensive Environmental Response, Compensation and Liability System (CERCLIS)***

There is one site listed in the CERCLIS database that is located within ½ mile of the subject property. The site is identified as Fort McNair and is located at 350 P Street SW (which is approximately 2600 feet northwest of the subject property). The CERCLIS site status is listed as “low” and was first determined to be a CERCLIS site in September of 1980. There is current remediation and monitoring at Fort McNair, but the site is in the apparent downgradient direction from the PEPCo Property. Due to the site’s distance from the subject property, it is unlikely that this site would present a potential environmental condition on the subject property.

***RCRA Corrective Action Activity (CORRACTS)***

One site, the Southeast Federal Center located at 2<sup>nd</sup> and M Streets SW, is identified on the CORRACTS database as being within 1 mile of the subject property. The site is approximately

¾ mile north of the subject property. The site required the completion of several corrective actions in 1997 and 1998. Based on the distance from the subject property, it is unlikely that this site has created a Recognized Environmental Condition on the subject property.

### ***RCRIS Small Quantity Generators (SQG)***

There were 2 small quantity generators of hazardous waste identified on the database that are within ¼ mile of the Property. The closest is the inactive PEPCo Generating Station, located adjacent and upgradient to the subject property to the east. However, there have not been violations of hazardous waste generator requirements and the station has been inactive since 1981. The generating station also appeared on the open LUST database. The site is identified as LUST Case # 93-051, which is the catalyst for the ongoing groundwater remediation project being conducted at the generating station. Detailed information regarding this case is discussed in Section 3.4 and prior reports are included in Appendix A. Based on the adjacent location of the site and the ongoing groundwater remediation that has documented the presence of TPH and BTEX in both the soil and groundwater, it is likely that the generating plant has created a Recognized Environmental Condition on the subject property.

The second SQG site is identified as being the Super Salvage Inc. located at 1711 1<sup>st</sup> Street SW (approximately 800 feet north of the subject property). During the site reconnaissance, URS observed large amounts of waste debris and scrap metal operations being conducted over bare soils. Although, there have not been any violations involving the Super Salvage, based on the observed site operations, it possible that the site has created a REC on the subject property.

### ***Leaking Underground Storage Tanks (LUST)***

The database search identified 15 LUST facilities within a ½ mile radius of the subject property, with 7 of those facilities remaining “open” status (including the abovementioned generating station). A LUST site was identified as the Fort McNair parking lot at 103 3<sup>rd</sup> Street SW, approximately 1100 feet northwest and upgradient of the subject property. The case is listed as open, but is unlikely to create a REC based on distance and documented groundwater flow.

A LUST site with an open case was also identified at Home Moving & Storage located at 1812 Half Street SW, approximately 500 feet northeast of the subject property. Although there is no documented groundwater flow, due to the site’s proximity to the Anacostia River (located several hundred feet southeast of the LUST Site), it is likely that groundwater for the Home Moving & Storage site would flow southeast towards the Anacostia River and away from the subject property. Therefore, it is unlikely that this LUST site presents a REC on the subject property.

The remaining four “open” LUST sites on the database are greater than ¼ mile northeast of the subject property and are located near the shoreline of the Anacostia River. The groundwater flow at these sites is most likely east-southeast and away from the subject property, and therefore unlikely to create a Recognized Environmental Condition on the subject property.

### ***Underground Storage Tanks (UST)***

There are 6 sites located within ¼ mile of the subject property that have registered USTs. The fact that a site is listed on this database does not necessarily indicate an environmental concern, only that the location has UST(s) in place.



***Orphan Sites***

URS reviewed the Orphan List Sites, which are sites that have not been geocoded based on lack of sufficient data regarding their exact location within the general area. The review of the Orphan List Sites did not identify properties that are likely to create a Recognized Environmental Condition on the subject property.

**5.2 REGULATORY AGENCY CONTACT**

Local governmental agencies frequently maintain information on sites of environmental concern where the local agency has been consulted, or informed of particular activities. Local agencies, including local fire departments, also maintain records concerning USTs and hazardous materials. URS sent Freedom of Information Act (FOIA) letters to the DC Department of Health, Environmental Health Administration and the DC Fire Department Public Affairs Office to receive any information that these agencies may have available. Responses from the two regulatory agencies were not received by the time this report was prepared. Copies of agency correspondence are provided in Appendix G.

URS conducted a Phase I Environmental Site Assessment of the PEPCo Buzzard Point property, identified as Squares 609 and 611, and comprising a city block bordered by T and V Streets SW and 1<sup>st</sup> and 2<sup>nd</sup> Streets SW in Washington DC, to evaluate the potential for a Recognized Environmental Condition to exist on the subject property from onsite or offsite activities. URS' conclusions are presented below.

### **6.1 ONSITE RECOGNIZED ENVIRONMENTAL CONDITIONS**

Based on a review of available information, it is apparent that the subject property has a long history of industrial use. As a result, past activities conducted on the property (i.e. coal storage and fuel supply for the adjacent generating station) are of concern. In particular, potential leaks from the underground pipeline while it was still in use, as well as the pits that may have been oil water separators or were associated with the former underground pipeline in some way, have the potential to create a Recognized Environmental Condition on the subject property.

### **6.2 OFFSITE RECOGNIZED ENVIRONMENTAL CONDITIONS**

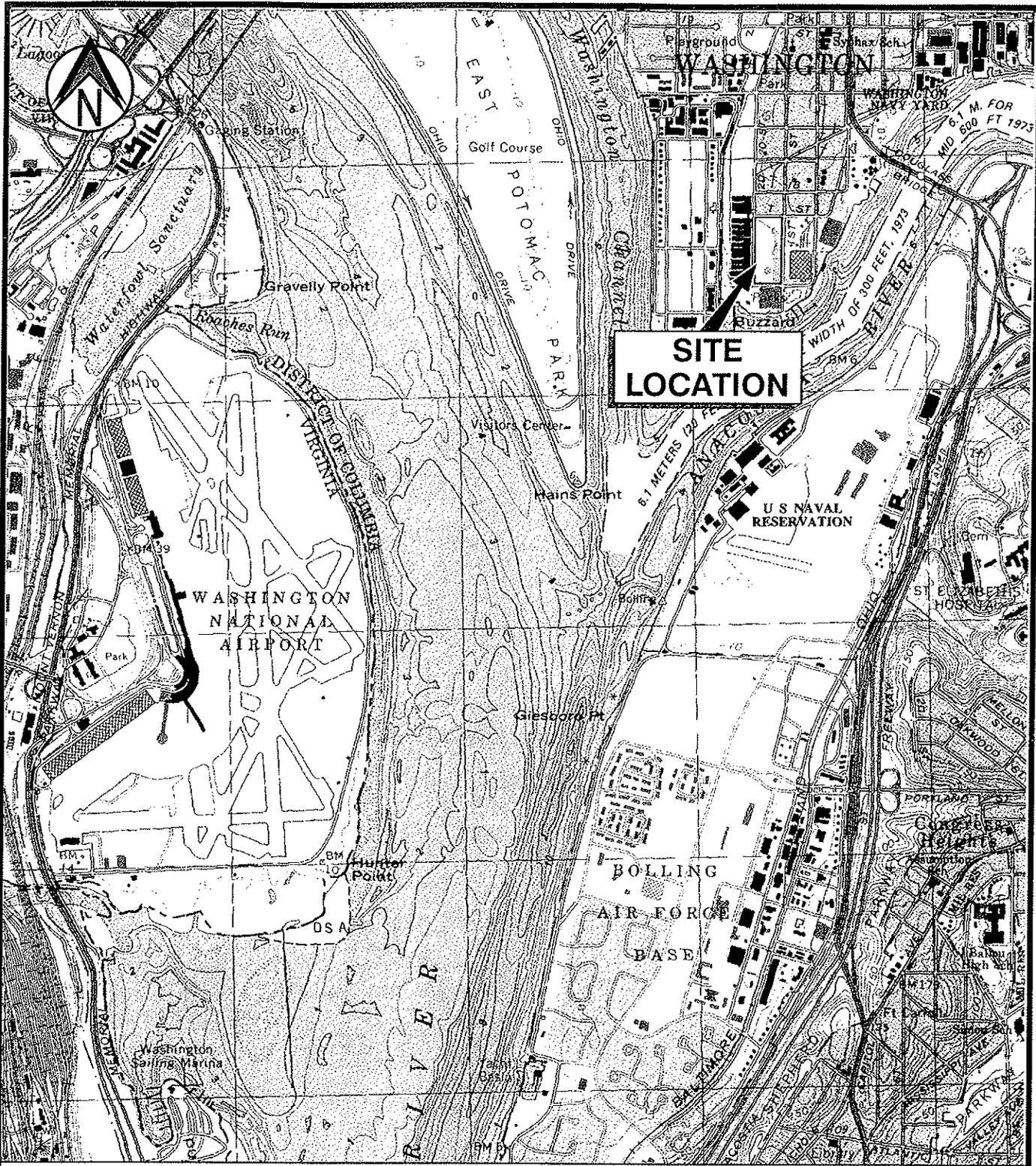
Based on the review of available information, the following offsite properties were identified that are likely to create a Recognized Environmental Conditions on the subject property:

- the inactive PEPCo generating station (adjacent to the east and crossgradient) which is currently undergoing groundwater remediation for an open LUST Case # 93-051; groundwater and soil samples have revealed the presence of TPH and BTEX,
- the former gas station (adjacent to the north and upgradient) which was identified as having TPH contamination in soil after sampling was conducted in 1990,
- the former PEPCo storage yard (located at Q and 2<sup>nd</sup> Streets SW, three blocks north and upgradient) which was also identified has having TPH contaminants in soil, and
- the Super Salvage scrap yard (located at R and 1<sup>st</sup> Streets SW, two blocks north and upgradient of the subject property) where large scale waste debris and scrap metal operations were observed being conducted over site soils.

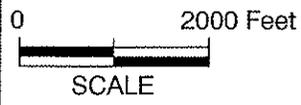
Releases from these sites have the potential to create a Recognized Environmental Condition on the subject property.

**Literature:**

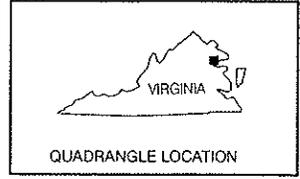
- American Society for Testing and Materials (ASTM). *Standard E1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process*, June 2000.
- Environmental Data Resources, Inc. 2004, The EDR Radius Map with GeoCheck, Pepco-Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW, Washington, DC 20024, Inquiry Number: 01260740.11r, September 1, 2004.
- Environmental Data Resources, Inc. 2004, The EDR City Directory Abstract, Pepco-Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW, Washington, DC 20024, Inquiry Number: 1260740.16, September 16, 2004.
- Environmental Data Resources, Inc. 2004, The EDR Historical Topographic Map Report Pepco-Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW, Washington, DC 20024, Inquiry Number: 1260740.13, September 3, 2004.
- Environmental Data Resources, Inc. 2004, The EDR Aerial Photo Decade Package, Pepco-Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW, Washington, DC 20024, Inquiry Number: 1260740.14, September 1, 2004.
- Environmental Data Resources, Inc. 2004, The EDR Sanborn Map Report, Pepco-Buzzard Point, 2<sup>nd</sup> Street SW/V Street SW, Washington, DC 20024, Inquiry Number: 1260740.12s, September 1, 2004.
- Geomatrix, Inc., Assessment of the Buzzard Point Properties, 1990.
- Potomac Electric Power Company (PEPCo), Buzzard Point Station – LUST Case # 93-051, Progress Report, August 19, 2004
- U. S. Department of Agriculture Soil Conservation Service, Soil Survey of District of Columbia, July 1976.
- U.S. Geological Survey, 1965 (photo revised 1983), 7.5 Minute Topographic Map of the Alexandria, Virginia Quadrangle, Scale 1:24,000.
- TPH Technology, Incorporated, Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station, Half & S Streets SW, Washington, DC, DC LUST Case # 93-051, March 10, 1995.



P:\Gaitthersburg\15296734-01000-PEPCO\PEPCO BUZZARD 1.CDR (09/23/04) SS



SOURCE: U.S.G.S. 7.5' Series quad.: Alexandria, VA, 1965, photorevised 1983.



**FIGURE 1**  
**SITE LOCATION MAP**  
**PEPCO-BUZZARD POINT**  
**2nd ST SW/V ST SW**  
**WASHINGTON, D.C.**





PARKING LOT

Ft. McNAIR  
OFFICE  
BUILDING

SUPER SALVAGE

PEPCO # 2  
OIL TANK YARD

S STREET SW

STORAGE  
BUILDING

PARKING LOT  
(FORMER GAS STATION)

PEPCO GAS  
COMBUSTION TURBINE  
YARD

T STREET SW 1 POLE-MOUNTED  
TRANSFORMER

2nd STREET SW

1st STREET SW

MAINT.  
STORAGE

SECURITY  
BOOTH

SECURITY  
BOOTH

PAVED  
PARKING  
LOT

1 POLE-MOUNTED  
TRANSFORMER

(INACTIVE) PEPCO  
GENERATING  
STATION

DIKE

SHED PITS

AST  
(RETIRED)

V STREET SW

JAMES CREEK  
MARINA

US COAST GUARD  
HEADQUARTERS  
OFFICE BUILDING

VACANT,  
VEGETATED LOT

NOT TO SCALE

FIGURE 2  
SITE PLAN  
PEPCO-BUZZARD POINT  
2nd ST SW/V ST SW  
WASHINGTON, D.C.

**A**dvantage **E**nvironmental  
**C**onsultants, LLC

---

**PHASE I ENVIRONMENTAL SITE ASSESSMENT**

**Buzzard Point  
2<sup>nd</sup> Street and V Street, SW  
Washington, DC 20024**

**AEC Project No. 05-099  
June 10, 2005**

*Prepared for:*

**The John Akridge Companies, Inc.  
601 13th Street, NW  
Suite 300 North  
Washington, DC 20005**

*Prepared by:*

**Advantage Environmental Consultants, LLC  
8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
TEL (301) 776-0500 • FAX (301) 776-1123**

## TABLE OF CONTENTS

---

<b>1.0</b>	<b>EXECUTIVE SUMMARY</b> .....	<b>1</b>
1.1	SUMMARY AND FINDINGS.....	1
1.2	RECOMMENDATIONS .....	4
<b>2.0</b>	<b>INTRODUCTION</b> .....	<b>5</b>
2.1	PURPOSE.....	5
2.2	SCOPE OF SERVICES .....	5
2.3	LIMITATIONS AND EXCEPTIONS .....	6
2.4	USER RELIANCE .....	7
<b>3.0</b>	<b>SITE DESCRIPTION</b> .....	<b>8</b>
3.1	LOCATION AND LEGAL DESCRIPTION.....	8
3.2	ZONING INFORMATION.....	8
3.3	CHARACTERISTICS OF THE SITE AND SURROUNDING PROPERTIES.....	8
3.4	CURRENT USE OF THE SITE.....	9
3.5	DESCRIPTION OF IMPROVEMENTS .....	9
3.6	CURRENT USES OF ADJOINING PROPERTIES .....	10
<b>4.0</b>	<b>USER PROVIDED INFORMATION</b> .....	<b>13</b>
4.1	REASON FOR PERFORMING PHASE I ESA .....	13
4.2	SPECIALIZED KNOWLEDGE .....	13
4.3	VALUATION REDUCTION FOR ENVIRONMENTAL ISSUES.....	13
4.4	TITLE RECORDS.....	13
4.5	ENVIRONMENTAL LIENS OR ACTIVITY AND USE LIMITATIONS.....	13
4.6	OWNER, PROPERTY MANAGER, AND OCCUPANT INFORMATION.....	13
<b>5.0</b>	<b>RECORDS REVIEW</b> .....	<b>14</b>
5.1	FEDERAL DATABASE REVIEWS.....	14
5.2	STATE DATABASE REVIEWS.....	16
5.3	LOCAL REGULATORY AGENCY RESEARCH.....	17
5.3.1	<i>County/Local Health Department</i> .....	18
5.3.2	<i>County/Local Fire Department</i> .....	18
5.3.3	<i>Department of Planning and Zoning</i> .....	18
5.4	PHYSICAL SETTING SOURCES.....	18
5.4.1	<i>Topography and Hydrology</i> .....	18
5.4.2	<i>Soils</i> .....	19
5.4.3	<i>Geology</i> .....	20
5.4.4	<i>Hydrogeology</i> .....	20
5.5	HISTORICAL USE INFORMATION .....	20
5.5.1	<i>Aerial Photographs</i> .....	20
5.5.2	<i>Fire Insurance Maps</i> .....	22
5.5.3	<i>City Directories</i> .....	22
5.5.4	<i>Property Tax Files</i> .....	24
5.5.5	<i>Interview Information</i> .....	24
5.5.6	<i>Previous Environmental Reports</i> .....	24
5.5.7	<i>Historical Use Summary</i> .....	26
<b>6.0</b>	<b>SITE RECONNAISSANCE</b> .....	<b>27</b>

6.1	METHODOLOGY AND LIMITING CONDITIONS .....	27
6.2	INTERVIEWS.....	27
6.3	HAZARDOUS SUBSTANCES IN CONNECTION WITH IDENTIFIED USES .....	27
6.4	WASTE GENERATION, STORAGE AND DISPOSAL .....	27
6.5	STORAGE TANKS .....	28
6.6	POLYCHLORINATED BIPHENYLS (PCBs).....	29
6.7	INDICATIONS OF SOLID WASTE DISPOSAL .....	29
6.8	OTHER CONDITIONS OF POTENTIAL CONCERN .....	29
<b>7.0</b>	<b>FINDINGS AND CONCLUSIONS.....</b>	<b>30</b>
<b>8.0</b>	<b>REFERENCES .....</b>	<b>31</b>

## **APPENDICES**

- Appendix A – Site Vicinity Map
- Appendix B – Site Plan
- Appendix C – Site Photographs
- Appendix D – Historical Research Documentation/Maps
- Appendix E – Aerial Photographs
- Appendix F – Records of Communication
- Appendix G – Regulatory Records Documentation
- Appendix H – Prior Environmental Reports
- Appendix I – Qualifications of Environmental Professionals



## 1.0 Executive Summary

### 1.1 Summary and Findings

---

Advantage Environmental Consultants, LLC (AEC) has conducted a Phase I Environmental Site Assessment (ESA), in conformance with the scope and limitations of ASTM Practice E 1527-00, of the property referred to as Buzzard Point in southwest Washington, DC (hereinafter referred to as the "Site"). Any exceptions to, or deletions from, this practice are described in Section 2.3 of this report.

The Site consists of an approximately 384,051 square foot area that is bound by S Street, SW to the north, 1<sup>st</sup> Street, SW to the east, V Street, SW to the south, and 2<sup>nd</sup> Street, SW to the west in Washington, DC. T Street, SW transects the Site, and divides it into a small northern lot and a larger southern lot. The real estate designation for the northern Site lot is Square 607, Lot 13, and the designation for the southern Site lot is Square 609, Lot 804, and Square 611, Lots 19 and 810. Currently, the Site is used as two fenced parking lots; however, the Site has been owned by the Potomac Electric Power Company (PEPCO) since 1929, and was formerly used as a coal storage yard, a vehicle fueling area, a bulk #6 fuel oil storage facility, and an equipment storage area for the eastern adjacent decommissioned PEPCO Buzzard Point Generating Station (herein referred to as the "Generating Station").

Improvements to the Site include a prefabricated metal building and storage trailers at the northern Site lot and an unused bulk #6 fuel oil above-ground storage tank (AST), the associated fire fighting foam house, and a small storage shed at the southern Site lot. Guard stands are located at the entrances to both parking lots, and additional improvements at the Site include parking medians, light poles, and landscaping. The Site is leased from PEPCO to the US government for vehicle storage. This Phase I ESA was performed for financing purposes, to document any known contaminants, and discover the existence of any unknown contaminants at the Site.

The following summarizes the independent conclusions representing AEC's best professional judgment based on available information.

#### ***Historical Use Information***

The review of historical resources indicated that the southern Site lot was used as a coal storage yard from the late 1920s until the Generating Station began using fuel oil to power the station in 1968. From 1968 until the Generating Station was decommissioned in 1981, the southern Site lot was used by PEPCO for bulk fuel storage and leased to W.A. Chester, Inc. for use as a vehicle and equipment maintenance and storage lot. An underground pipeline installed beneath 1<sup>st</sup> Street, SW was used to connect the 1.9-million gallon AST at the Site to the Generating Station.

The northern Site lot appeared to have been used for vehicle fueling and storage by PEPCO from the late 1960s until 1993. On-site Underground Storage Tanks (USTs) (one 6,000-gallon gasoline, one 6,000-gallon diesel fuel and one 20,000-gallon gasoline) were removed in 1988 and 1993.

### ***Adjoining Properties***

The Site is situated in a medium-density, mixed commercial, industrial, and government-use area of southwest Washington DC that is referred to as Buzzard Point. The area consists of several properties owned by the Potomac Electric Power Company, including the Site, the decommissioned Generating Station and active gas-fired combustion turbine yard (CT Yard), and a former PEPCO #2 fuel oil storage facility. Additional adjacent properties include a scrap metal yard, a US military fort, a US Coast Guard headquarters building, and two marinas. Potential environmental concerns were identified at four of the surrounding properties.

- **PEPCO Buzzard Point Generating Station**

The Generating Station, located approximately 35 feet east across 1<sup>st</sup> Street from the Site, was identified in four separate Leaking Underground Storage Tank (LUST) cases, one of which remains open (LUST Case No. 93-051). In the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the CT Yard of the Generating Station to the two, 0.411-million gallon #2 fuel oil ASTs located north across S Street from the CT Yard. The release was repaired, and one 15" diameter monitoring well was subsequently installed in the vicinity of the pipeline leak. Significant petroleum (gasoline and diesel) contamination was discovered in soil and groundwater at the CT Yard portion of the Generating Station property in 1993. A total of 21 monitoring wells (MWs) were installed in the vicinity of the CT Yard and the #2 fuel oil ASTs. Two monitoring wells were also installed at the Site in the area of the former vehicle fueling station. Both soil and groundwater samples revealed the presence of Total Petroleum Hydrocarbon (TPH) Gasoline-Range Organics (GRO), Diesel Range Organics (DRO), and Benzene, Toluene, Ethyl benzene and Xylene (BTEX). In addition, the majority of the MWs located in the CT Yard and north adjacent bulk fuel storage area have historically contained liquid-phase hydrocarbon (LPH). Groundwater flow direction has been documented at this property to be west and southwest, towards the Site.

PEPCO installed a soil vapor extraction (SVE) system in the CT Yard and at the southern portion of the north adjacent bulk fuel storage area in January 1996, and operated the system through November 1999. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH at this property. The wells and groundwater vacuum monitoring points (GVPs) appear to have been monitored monthly from January 2003 through July 2004, with semi-annual sampling events. Groundwater sampling data for this property that was dated March 8, 2004 indicated that groundwater contaminants in the three downgradient wells were below Maximum Contaminant Levels and/or DC Water Quality Standards for BTEX and TPH GRO and DRO, while levels of these constituents remained above the applicable regulatory standards in remaining MWs

and GVPs. Currently, only passive remediation with absorbent booms and monitoring is ongoing at the Generating Station property.

The Generating Station was also identified on the Resource Recovery and Conservation Small Quantity Generator (RCRA SQG) database twice, and on the UST database.

- **Super Salvage, Inc.**

The Super Salvage, Inc. property, located approximately 35 feet north of the Site, was listed on the RCRA SQG, LUST and UST databases. In addition, AEC observed operations at the facility to include the storage of metal scraps and debris on property soils, and historical research indicated that the Super Salvage, Inc. facility has been located adjacent to the Site since the 1960s. Violations were not reported on the RCRA SQG listing, and the LUST case has been granted closure. The UST listing stated that one 2,000-gallon UST was permanently out of use.

- **US Army Fort McNair**

Fort McNair is a large US Army fort that is located west of the Site. This facility was listed on the Comprehensive Environmental Response, Compensation and Liability System (CERCLIS) database in association with the address 350 P Street, SW. The listed address is located approximately 2,000 feet northwest of the Site and appears to be downgradient. The listing indicated that the site status has been categorized as "low," and the facility has been listed on the CERCLIS database since 1980. The listing also indicated that lead cleanup is ongoing. Based on distance, gradient, site status and ongoing cleanup activities, the CERCLIS listing does not appear to represent a concern.

Fort McNair was also listed on the LUST database three times; however, based on distance and the documented west and southwest groundwater flow direction in the vicinity of the Site, AEC does not consider the LUST listings associated with Fort McNair to be a concern.

- **James Creek Marina**

The James Creek Marina, located approximately 50 feet southwest and downgradient, was listed on the LUST and the UST databases. The LUST listing indicated that the case has been granted closure. The UST listing stated that one 10,000-gallon gasoline UST and one 10,000-gallon diesel fuel UST were currently in use, and one 2,000-gallon gasoline UST was permanently out of use. Based on the status of the LUST case and the downgradient location of this facility, it does not appear that the James Creek Marina is a concern to the Site.

### ***Hazardous Substances***

AEC did not observe any hazardous substances in connection with identified uses at the Site.

### ***Waste Generation, Storage, and Disposal***

No indications of waste generation, storage, or disposal were noted on the Site as it is used as two parking lots.

### ***Storage Tanks***

One 1.9-million gallon bulk fuel AST is located at the southern portion of the Site. Historically, the AST and an associated underground pipeline were used to provide #6 fuel oil from the AST to the adjacent Generating Station from the late 1960s until the Generating Station was decommissioned in 1981. No information regarding releases from the AST or pipeline is known.

In addition, a fueling station was historically located at the northern portion of the Site. Two 6,000-gallon and one 20,000-gallon USTs were installed at the Site for the storage of gasoline and diesel fuel from the late 1960s until 1993. A LUST Case was associated with the 20,000-gallon UST due to the discovery of petroleum impact to groundwater at the Site during removal of the UST. The LUST Case was granted regulatory closure in May of 1994; however, further soil and groundwater investigation of this area was included as an addendum to a *Comprehensive Site Assessment* report that was being prepared for the adjacent Generating Station. Groundwater contamination was

AEC considers the historic use of the bulk fuel AST, pipeline, and former USTs at the Site to be recognized environmental conditions.

### ***Polychlorinated Biphenyls (PCBs)***

AEC observed fluorescent light fixtures on poles installed throughout both Site lots. In 1979, the USEPA banned the manufacture and sale of PCBs. Based on the reported date of construction of the parking lot (after 1988), ballasts associated with the fluorescent light fixtures are unlikely to contain PCBs.

AEC did not identify additional equipment that would be suspected to contain PCBs at the Site.

### ***Regulatory Review***

UST and LUST listings associated with the Site were discussed in the Storage Tanks Section of this Executive Summary. Other than those listings discussed in the Adjacent Properties section of this Executive Summary, no regulatory database-listed properties were identified as potential concerns to the Site.

## **1.2 Recommendations**

---

AEC has conducted a Phase II subsurface investigation of the Site concurrently with this Phase I assessment to determine the current condition of on-site soils and groundwater. The results of the Phase II investigation will be provided to the Client under separate cover. As such, AEC has no further recommendations.

## 2.0 Introduction

### 2.1 Purpose

---

The purpose of this Phase I Environmental Site Assessment (ESA) is to provide a professional opinion on the presence of recognized environmental conditions and other potential environmental conditions in connection with the Site, as they existed on the date of the site inspection, and to recommend whether further investigation is required. The American Society for Testing and Materials (ASTM) Standard Practice E 1527-00, Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process, defines good commercial and customary practice for conducting an environmental site assessment of a parcel of commercial real estate with respect to the range of contaminants pertinent to the scope of the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA), as well as petroleum products. As such, this ESA is intended to satisfy one of the requirements that permit the user to qualify for the innocent landowner defense to CERCLA liability. In other words, this ESA represents one of the practices that constitute "all appropriate inquiry into the previous ownership and uses of the property consistent with good commercial or customary practice" as defined in 42 USC Section 9601(35)(B).

The goal of the process is to identify recognized environmental conditions, which are defined by the Practice as "the presence or likely presence of any hazardous substances or petroleum products on a property under conditions that indicate an existing release, a past release, or a material threat of release of any hazardous substances or petroleum products into the structures on the property or into the ground, groundwater or surface water of the property". The term *recognized environmental condition* includes hazardous substances or petroleum products even under conditions in compliance with laws. The term is not intended to include de minimis conditions that generally do not present a material risk of harm to public 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.

### 2.2 Scope of Services

---

This assessment was conducted in accordance with generally accepted Phase I industry standards using ASTM Standard Practice E 1527-00 and AEC Proposal Number 05-102. The following services were provided for this assessment:

- An evaluation of information contained within Federal and State environmental databases, and other local environmental records, within specific search distances.
- An evaluation of past Site uses through a review of reasonably ascertainable standard historical sources such as chain-of-title information, historical maps, city directories, aerial photographs, prior environmental reports, and interviews with knowledgeable persons.

- A qualitative evaluation of the physical characteristics of the Site through a review of published topographic, geologic, hydrogeologic, wetland, and flood plain maps; published groundwater data; and area observations to characterize surface water flow in the Site area.
- An evaluation of current Site conditions including, but not limited to, a search for the following items including: underground storage tanks (above or below ground); potential PCB-containing electrical equipment; hazardous materials and petroleum products generation; treatment, storage, or disposal of hazardous, regulated, or medical wastes.
- The preparation of a Phase I ESA report, which represents the findings from the studies of the items described above and provides conclusions and recommendations based on the information gathered above and provided by the Client.

### **2.3 Limitations and Exceptions**

---

This Phase I ESA was conducted in accordance with ASTM guidelines for the performance of Phase I Environmental Site Assessments. No other warranties, either express or implied, are made by AEC. AEC's evaluations, analyses, and opinions should not be taken as representations regarding subsurface conditions or the actual value of the Site. Subsurface conditions may differ from the conditions implied by the surficial observations, and can only be reliably evaluated through intrusive techniques.

Documentation and data provided by the Client, designated representatives of the Client, or other interested third parties, or from the public domain, and referred to in the preparation of this assessment, are assumed to be complete and correct and have been used and referenced with the understanding that AEC assumes no responsibility or liability for their accuracy. AEC's conclusions are based upon such information and documentation and on our observations of Site conditions, as they existed on the date of the site inspection. Since Site conditions may change significantly over a short period of time and additional data may become available, data reported and conclusions drawn in this report are limited to current conditions and may not be relied upon on a significantly later date.

Reasonable efforts have been made during this assessment to uncover evidence of USTs, ASTs, and ancillary equipment associated with these tanks. "Reasonable efforts" are limited to information gained from visual observation of unobstructed areas, recorded database information held in public record, and available information gathered from interviews. Such methods may not identify subsurface equipment that may have been hidden from view due to snow cover, paving, dense vegetation, construction or debris pile storage, or incorrect information from sources.

This investigation was not an environmental compliance audit. While some observations and discussion in this report may address conditions and/or operations that may be

regulated, the regulatory compliance of those conditions and/or operations is outside the scope of this investigation.

Nothing in this report constitutes a legal opinion or legal advice. For information regarding specific individual or organizational liability, AEC recommends consultation with independent legal counsel.

## **2.4 User Reliance**

---

This report is intended exclusively for the use and benefit of the Client identified on the first page of this report.

This report is not for the use or benefit of, nor may it be relied upon by, any other person or entity for any purpose without the advance written consent of AEC. AEC makes no representation to any third party except that it has used the degree of care and skill ordinarily exercised by a reasonable prudent environmental professional in the same community and in the same time frame given the same or similar facts and circumstances. No other warranties are made to any third party, either express or implied.

## **3.0 Site Description**

### **3.1 Location and Legal Description**

---

The Site is bound by S Street, SW, 1<sup>st</sup> Street, SW, V Street, SW and 2<sup>nd</sup> Street, SW in Washington, DC. According to the Fares 2004 DC Assessment Directory, the Site is described as Square 607, Lot 13; Square 609, Lot 804; and Square 611, Lots 19 and 810. The Site comprises a total of 384,051 square feet of area. A Site Vicinity Map is included as Appendix A.

### **3.2 Zoning Information**

---

Zoning information was obtained from the District of Columbia Office of Zoning's website <http://www.dcoz.dcgov.org/info/map.shtm>. According to the on-line zoning map, dated July 29, 2003, the Site is Zoned M (General Industry). The M zoning "permits general industrial uses to a maximum FAR of 6.0, and a maximum height of ninety (90) feet with standards of external effects and new residential prohibited."

AEC notes that a real estate offering document prepared by Cassidy & Pinkard and dated March 2005 indicated that the Site is zoned CG/CR. According to the document, the Zoning Commission for DC adopted the Map Amendment and Overlay District at Buzzard Point-Capital Gateway (GC), which created new zoning throughout much of the Site vicinity.

### **3.3 Characteristics of the Site and Surrounding Properties**

---

The Site is situated in a medium-density, mixed industrial, commercial, and government-use area of southwest Washington DC that is referred to as Buzzard Point. The area consists of several properties owned by the Potomac Electric Power Company, including the Site, the decommissioned Generating Station and active gas-fired combustion turbine yard (CT Yard), and a former bulk #2 fuel oil storage facility. Remaining adjacent properties include a scrap metal yard, a US military fort, a US military headquarters building, and two marinas. Additional industrial and commercial business are located further north and east of the Site and the Anacostia River is present approximately 330 feet southeast and south of the Site. Detail regarding the immediately surrounding properties is provided in Section 3.6.

The Site is currently developed as two fenced, asphalt-paved parking lots that are separated by T Street, SW. The smaller northern Site lot is developed with a prefabricated metal building and a few storage trailers. The larger southern Site lot is developed with a bulk fuel AST, an associated fire fighting foam shed and a small storage shed. Guard stands are located at the parking lot entrances. Additional Site developments include parking medians, light poles, and landscaping. A copy of the Site Map is included as Appendix B.



### **3.4 Current Use of the Site**

---

The Site consists of two, fenced, asphalt-paved parking lots that are both leased by PEPCO to the US Government for vehicle storage. The prefabricated building that exists at the northwestern portion of the northern lot is also leased and used by the US Government. AEC was not provided with access to this building for security reasons and the interviewed PEPCO employees did not know details regarding the specific use of this building by the government. The on-site trailers appeared to be used for storage. A 1.9-million gallon #6 fuel-oil AST and an associated fire fighting foam house that were previously used by PEPCO were present at the southern portion of the southern Site lot. The AST and an underground pipeline connecting the AST to the Generating Station have not been used by PEPCO since 1981. The fire fighting foam house was reportedly still operable as of 1995. A small storage shed that is used to store parking lot maintenance equipment (i.e., brooms, landscaping equipment, salt, etc.) was located at the northeastern portion of the southern parking lot.

### **3.5 Description of Improvements**

---

The Site is improved with a prefabricated building, the bulk fuel storage AST and associated fire fighting foam house, a storage shed and trailers, and asphalt-paved parking areas.

- **Source of Potable Water**

Potable water in the vicinity of the Site is provided by the District of Columbia Water and Sewer Authority (WASA). According to a representative of the Army Corps of Engineers, who supplies the public drinking water supply for WASA, all water supplied to the District meets or exceeds local, state, and federal Environmental Protection Agency (EPA) drinking water quality standards.

- **Sewage Disposal**

Public sanitary sewer service is provided in the vicinity of the Site by the Washington Area Sewer Authority (WASA). The Site does not use a private septic system.

- **Site Plan**

A Site Plan is included as Appendix B.

### 3.6 Current Uses of Adjoining Properties

The area surrounding the Site consists of a mix of industrial, commercial and US government properties. The following table identifies the adjacent property uses.

Direction	Adjoining Property Use
North	The Site is bordered to the north by S Street, SW, followed by the Super Salvage, Inc. metal scrap yard. A former PEPCO #2 fuel oil storage facility with two 0.411-million gallon bulk fuel storage ASTs are located northeast of the Site.
East	The Site is bordered to the east by 1 <sup>st</sup> Street, SW, followed by the decommissioned Generating Station and active CT Yard.
South	The Site is bordered to the south by V Street, SW, followed by the US Coast Guard headquarters building. The James Creek Marina and the Buzzard Point Marina are located southwest and southeast of the Site, respectively, along the bank of the Anacostia River.
West	The Site is bordered to the west by US Army Fort McNair. A portion of US Army Fort McNair was under construction during the Site reconnaissance.

Potential environmental concerns were identified at the following surrounding properties. Specific information was obtained for these properties from listings in the regulatory database report reviewed for this assessment (Sections 5.0), as well as prior reports and interviews. Potential concerns are discussed as follows:

#### PEPCO Buzzard Point Generating Station

The Generating Station, located approximately 35 feet east across 1<sup>st</sup> Street from the Site, was identified in four separate LUST cases, one of which remains open (LUST Case No. 93-051). A file review at the DC DOH revealed that in the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the CT Yard of the Generating Station to the two, 0.411-million gallon #2 fuel oil ASTs located north across S Street from the CT Yard. The release was repaired, and one 15" diameter monitoring well was subsequently installed in the vicinity of the pipeline leak. Significant petroleum (gasoline and diesel) contamination was discovered in soil and groundwater at the CT Yard portion of the Generating Station property in 1993. Initial assessments of the contamination revealed TPH concentrations ranging from 881 milligrams per kilogram (mg/kg) to 30,700 mg/kg. A total of 21 monitoring wells (MWs) were installed in the vicinity of the CT Yard and the north adjacent bulk fuel ASTs, and two monitoring wells were also installed at the Site in the area of the former vehicle fueling station. The MWs were installed between May 1993 and January 1995. Both soil and groundwater samples revealed the presence of TPH GRO, DRO, and BTEX. In addition, the majority of the MWs located in the CT Yard and north adjacent bulk fuel storage area have historically contained LPH. Groundwater flow direction has been documented at this property to be west and southwest, towards the Site.

PEPCO installed a SVE system in the CT Yard and at the southern portion of the bulk fuel storage area in January 1996, and the system was in operation through November 1999. The SVE system reportedly removed approximately 6,925 gallons of petroleum. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH from two of the most contaminated wells (MW-5 and MW-11). The pump and treat system removed an estimated 1.5 gallons of groundwater and 1,350 gallons of petroleum from these wells. The wells and/or groundwater vacuum monitoring points (GVPs) have been monitored monthly since 1993, with semi-annual sampling events. Results have been reported to the DC DOH in quarterly reports.

Groundwater sampling data for the Generating Station property that was dated March 8, 2004 indicated that groundwater contaminants in the three downgradient wells were below Maximum Contaminant Levels and/or DC Water Quality Standards for TPH GRO, TPH DRO and BTEX, while levels of these constituents remained over the applicable regulatory standards in remaining MWs and GVPs. Currently, only passive remediation with absorbent booms and monitoring is ongoing at the Generating Station property.

The Generating Station was also identified on the RCRA SQG database twice, and on the UST database. The RCRA SQG database listings were associated with the generation of waste cadmium, lead and mercury, and did not include reported violations. The UST listing indicated that two 4,000-gallon used oil USTs were reported to be currently in use, and the following USTs were listed as permanently out of use: two 10,000-gallon heating oil USTs, four 2,000-gallon used oil USTs, one 2,000-gallon gasoline UST, and one 500-gallon hazardous substance UST.

Based on the historic presence of significant quantities of LPH in soil and groundwater at the adjacent Generating Station and the documented groundwater flow direction, this property is considered to be a concern to the Site.

Referenced prior environmental reports obtained through the DC DOH file review regarding LUST Case No. 93-051 included the following reports:

- *Comprehensive Site Assessment, PEPCO Buzzard Point Station (CSA)*, prepared by TPH Technology, Inc. (TPH Inc.), dated August 11, 1993 (Executive Summary only)
- *Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station (CAP)*, prepared by TPH Inc., dated March 10, 1995
- *Progress Report, LUST Case #93-051 – Buzzard Point Station*, prepared by PEPCO, dated June 7, 2002
- *Progress Report, LUST Case #93-051 – Buzzard Point Station*, prepared by PEPCO, dated August 19, 2004

### **Super Salvage, Inc.**

The Super Salvage, Inc. property, located approximately 35 feet north of the Site, was listed on the RCRA SQG, LUST and UST databases. In addition, AEC observed operations at the facility to include the storage of metal scraps and debris on property soils, and historical research indicated that the Super Salvage, Inc. facility has been located adjacent to the Site since the 1960s. Violations were not reported on the RCRA SQG listing. The LUST case has been granted regulatory closure. The UST listing stated that one 2,000-gallon UST was permanently out of use at this property. While regulatory listings do not indicate an obvious environmental concern, the long term use of this property as a scrap yard has the potential to create a recognized environmental condition.

### **US Army Fort McNair**

Fort McNair is a large US Army fort that is located west of the Site. This facility was listed on the Comprehensive Environmental Response, Compensation and Liability System (CERCLIS) database in association with the address 350 P Street, SW. The listed address is located approximately 2,000 feet northwest of the Site and appears to be in a downgradient location from the Site. The CERCLIS listing indicated that the site status has been categorized as "low," and the facility has been listed on the CERCLIS database since discovery in 1980. The listing also indicated that lead cleanup is ongoing at this facility. Based on distance, gradient, site status and ongoing cleanup activities, the CERCLIS listing does not appear to represent a concern.

Fort McNair was also listed on the LUST database three times. Two of the LUST cases were listed as open cases while the third case has been granted regulatory closure. The two open LUST listings specify the location of the LUSTs as the Fort McNair parking lot, at 103 3<sup>rd</sup> Street, SW. This location is approximately 700 feet northwest of the Site. There is no indication of the capacity or contents of the LUSTs, and Fort McNair was not listed on the UST database. However, based on distance and the documented west and southwest groundwater flow direction in the vicinity of the Site, AEC does not consider any of the LUST listings associated with Fort McNair to be a concern.

### **James Creek Marina**

The James Creek Marina, located approximately 50 feet southwest and downgradient of the Site, was listed on the LUST and the UST databases. The LUST listing indicated that the case has been granted regulatory closure. The UST listing stated that one 10,000-gallon gasoline UST and one 10,000-gallon diesel fuel UST were currently in use at this property, and one 2,000-gallon gasoline UST was permanently out of use. Based on the regulatory status of the LUST case and the downgradient location of this facility, it does not appear that the James Creek Marina is a concern to the Site.

Specific concerns were not noted for the remaining surrounding properties.

## **4.0 User Provided Information**

### **4.1 Reason for Performing Phase I ESA**

---

According to Mr. Dodd Walker, of the John Akridge Companies, Inc., the Client retained AEC to conduct this Phase I ESA for financing purposes, to document any known contaminants, and discover the existence of any unknown contaminants at the Site.

### **4.2 Specialized Knowledge**

---

Mr. Walker provided two previous environmental reports to AEC that documented on-site soil and groundwater contamination.

### **4.3 Valuation Reduction for Environmental Issues**

---

Mr. Walker had no knowledge of value reduction of the Site for environmental issues.

### **4.4 Title Records**

---

Title records were not provided to AEC; however, interview information indicated that PEPCO has owned the Site since the late 1920s.

### **4.5 Environmental Liens or Activity and Use Limitations**

---

Mr. Walker was not aware of any environmental liens or activity or use limitations that are related to environmental issues at the Site.

### **4.6 Owner, Property Manager, and Occupant Information**

---

The current owner of the Site is PEPCO. The Site is leased and occupied by the US Government.

## 5.0 Records Review

AEC reviewed Federal and State environmental databases provided by Environmental Data Resources, Inc. (EDR) of Milford, Connecticut, for information pertaining to documented and/or suspected releases of regulated hazardous substances and/or petroleum products within specified search distances.

AEC also reviewed the unmappable sites listed in the environmental database report by cross-referencing addresses and site names. Unmappable ("orphan") sites are sites that cannot be plotted with confidence, but can be located by zip code or city name. In general, a site cannot be mapped because of inaccurate or missing location information in the record provided by the regulatory agency. Any unmappable sites that AEC identified within the specified search radii are included and discussed in the corresponding database sections.

### 5.1 Federal Database Reviews

---

#### ***National Priorities List (NPL)***

The National Priorities List (Superfund) is the EPA's database of uncontrolled or abandoned hazardous waste sites identified for priority remedial actions under the Superfund Program. This database was last updated April 28, 2005.

- Neither the Site nor any properties within one mile of the Site are listed on the Federal NPL.

#### ***Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS)***

The CERCLIS List is a compilation of known and suspected uncontrolled or abandoned hazardous waste sites which are, or were, under investigation by the EPA but have not been elevated to the status of a Superfund (NPL) site. This database was last updated February 15, 2005.

- The Site was not listed on the CERCLIS database.
- US Army Fort McNair was listed on the CERCLIS database. This facility was previously discussed in Section 3.6 of this report.

### ***Resource Conservation and Recovery Information System (RCRIS)***

The USEPA's Resource Conservation and Recovery Act (RCRA) Program identifies and tracks hazardous waste from the point of generation to the point of disposal.

### ***RCRIS Treatment, Storage, and Disposal (TSD) Facilities***

The RCRIS-TSD database is a compilation by the USEPA of reporting facilities that transport, treat, store, or dispose of hazardous waste. This database was last updated on March 13, 2005.

- Neither the Site nor any properties within one-half mile of the Site were identified on the RCRIS-TSD database.

### ***RCRIS CORRACTS***

The RCRIS CORRACTS database identifies TSD facilities that have conducted, or are currently conducting, corrective actions as regulated under RCRA. This database was last updated on March 29, 2005.

- The Site was not listed on the RCRIS CORRACTS database.
- The Southeast Federal Center at 2<sup>nd</sup> and M Street, SW, was listed on the CORRACTS database. This facility is located over 3,000 feet from the Site. The listing indicated that this facility required corrective actions from 1997 through 2004; however, based on distance, the CORRACTS listing does not appear to represent a concern to the Site.

### ***RCRIS Generators***

The RCRIS Generator database tracks large and small quantity generators (SQG) of hazardous waste. This database was last updated on March 13, 2005.

- The Site was not listed on the RCRIS database of hazardous waste generators.
- A total of three RCRIS SQGs were identified within one-quarter mile of the Site. Listings associated with the adjacent PEPCO Buzzard Point Generating Station and Super Salvage, Inc. facilities were previously discussed in Section 3.6.
- The Steuart Petroleum Company South Capital Terminal, located at 1721 South Capital Street was also identified on the RCRIS SQG and LUST databases. In addition, Steuart Investment Company was identified on the LUST database at 1724 South Capital, SE. It is not clear whether these addresses refer to portions of the same Steuart facility; however, previous reports have indicated that a Steuart fuel terminal was formerly located east of the northeast adjacent PEPCO bulk fuel storage facility, approximately 800 feet northeast of the Site. One of the Steuart LUST listings has been granted regulatory closure, while the remaining LUST case

appears to have been open since 1987. The RCRIS SQG listing indicated that the facility had two reported violations; however both list compliance dates. The prior CSA report that was reviewed during the DC DOH file review identified the Steuart facility as a possible source for contamination at the PEPCO CT Yard; however, based on distance and the intervening groundwater remediation activities that have been conducted at the Generating Station, AEC does not consider the former Steuart facility to be an immediate concern to the Site.

### ***RCRIS Administrative Action Tracking System (RAATS)***

The RAATS database maintains records of enforcement actions issued under RCRA for major violators. This database was last updated on April 17, 1995.

- The Site was not listed in the RAATS database.

### ***Emergency Response Notification System (ERNS) Database***

The ERNS is a national database used to collect information on reported releases of oil or hazardous substances. ERNS is now part of the National Response Center (NRC) database. This database was last updated December 31, 2004.

- The Site is not listed in the ERNS database.

## **5.2 State Database Reviews**

---

### ***State Hazardous Waste Sites (SHWS):***

The District of Columbia does not maintain a SHWS database. Such cases are maintained on the CERCLIS database, which was previously discussed.

### ***Solid Waste Facilities/Landfill Sites (SWF/LF)***

The District of Columbia does not maintain a SWF/LF database as the District does not have landfills.

### ***Leaking Underground Storage Tanks (LUST)***

The District of Columbia's LUST database is a list of petroleum release cases monitored by the DC DOH. This database was last updated January 6, 2005.

- The Site was listed in the LUST and the UST databases. These listings are discussed in the following Section 6.5 of this report.
- A total of 13 additional LUST listings were associated with facilities within one-half mile of the Site. Four of these listings were associated with adjacent properties, and



were previously discussed in Section 3.6 of this report. The two LUST listings associated with Steuart Petroleum and Steuart Investment Company were previously discussed in the RCRIS SQG subsection of this report.

- The Home Moving and Storage facility at 1812 Half Street, SW, approximately 500 feet northeast of the Site, was included on the LUST database. Groundwater flow in this specific area has not been documented; however, due to this facility's proximity to the Anacostia River, it is likely that groundwater flow would be towards the southeast. As such, AEC does not consider this facility to be a concern.
- The remaining six LUST cases are not considered likely to impact the Site based on topographic relationship, distance, and/or regulatory status (i.e., closed case).

### ***Underground Storage Tanks (USTs)***

This database lists registered USTs that are regulated under Subtitle I of the RCRA and must be registered with the State department responsible for administering the UST Program. This database was last updated January 6, 2005.

- The Site was listed twice on the UST database in association with the former use of the northern Site lot as a vehicle fueling area. These listings are discussed in the following Section 6.5 of this report.
- Three UST listings were associated with adjacent properties and were discussed in Section 3.6 of this report.
- None of the remaining UST listings were considered to be a concern to the Site based on the lack of reported releases or the closed status of an associated LUST case, and/or the indication that the USTs have been permanently removed.

### ***Voluntary Cleanup Program (VCP) Sites***

The VCP database oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses. This database was last updated March 1, 2004.

- Neither the Site nor any properties within one-half mile of the Site were identified on the VCP database.

## **5.3 Local Regulatory Agency Research**

---

The following local regulatory agency review was conducted to obtain any environmentally significant information concerning the Site that may be readily available.

### **5.3.1 County/Local Health Department**

---

A file review was conducted at the DC DOH under the FOIA. A copy of AEC's request letter is included in Appendix F. Information gained from the file review is included in Sections 3.6 of this report.

### **5.3.2 County/Local Fire Department**

---

As required by the agency, AEC has submitted a written request under the Freedom of Information Act (FOIA) to the D.C. Fire & EMS Department in order to obtain any environmentally significant information concerning the Site. At the time of completion of this report, a response from this agency remained outstanding. Upon receipt and review, AEC will forward any pertinent information to the Client. A copy of AEC's request letter is included in Appendix F.

### **5.3.3 Department of Planning and Zoning**

---

As previously noted, according to the on-line zoning map, the Site is zoned M (General Industry); however, a real estate offering document prepared by Cassidy & Pinkard, dated March 2005, indicated that the Site is zoned CG/CR. According to the referenced document, the Zoning Commission for DC adopted the Map Amendment and Overlay District at Buzzard Point-Capital Gateway (GC), which created new zoning throughout much of the Site vicinity.

## **5.4 Physical Setting Sources**

---

The following physical setting sources were reviewed to provide information about the topographic, hydrologic, geologic and/or hydrogeologic characteristics of the Site.

### **5.4.1 Topography and Hydrology**

---

#### ***USGS Topographic Quadrangle***

AEC reviewed a copy of the United States Geological Survey (USGS) 7.5 Minute Series, Alexandria, Virginia Topographic Quadrangle map dated 1994. According to the map, the elevation of the Site is approximately 14 feet above mean sea level (msl). The area on and around the Site is relatively level, with the natural topographic gradient across the Site being south-southwest. The Site was illustrated with the prefabricated building at the northern Site boundary, an apparent access road from T Street, SW onto the northern Site lot, and the bulk fuel storage AST at the southern portion of the southern Site lot. No surface bodies of water were illustrated on the Site.

A copy of the topographic map is included as Appendix A.

### ***Hydrology/Storm Water Management***

Surface drainage at the Site flows into the stormwater drains located at the edges of the parking lots, which discharge to the municipal storm sewer. AEC did not observe evidence of vegetative stress or other evidence of environmental impairment on the Site.

No evidence of surface impoundments, ponds, lagoons, drywells, irrigation wells, injection wells, water supply wells, or storm water management systems was observed on the Site on the date of the site inspection. Two pits are located adjacent to the bulk fuel storage AST, at the southeastern portion of the Site. The function or purpose of the pits could not be ascertained during the Site inspection, and Mr. Shahid Anis indicated that he had no knowledge of the previous function or purpose associated with the pits. The pits were inspected on the date of the site reconnaissance and were found to contain water. No evidence of a petroleum sheen or odor was noted. In addition, water samples that were collected from the pits during the course of the previous URS *Limited Subsurface Investigation*, dated March 22, 2005, were non-detect for both TPH GRO and TPH DRO. Based on AEC's observations of the water in the pits and the previous non-detect laboratory results, it does not appear that they have contributed to recognized environmental conditions at the Site at this time.

### ***Wetlands***

According to wetlands data obtained from National Wetlands Inventory (NWI) maps presented in the regulatory database report reviewed for this assessment, no wetlands were illustrated on the Site, and very little wetlands were associated with the bank of the Anacostia River, located south and southeast of the Site.

### ***Flood Zone***

According to the EDR database report which contains Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map (FIRM) information, 100-year flood zones are located south and southwest of the Site, and 500-year flood zones appear to extend along the southeastern portion of the eastern Site boundary, and north from the Anacostia River through the west adjacent Fort McNair property. A copy of the database report is provided in Appendix G.

### **5.4.2 Soils**

---

According to the Soil Survey of District of Columbia prepared by the United States Department of Agriculture Soil Conservation Service as obtained from the website <http://www.sawgal.umd.edu/nrcsweb/DC/DistrictOfColumbia/dmap/10/indexVW.html>, soil at the Site is classified as Urban Land (Ub). Urban Land soils are classified as areas where more than 80 percent of the surface is covered by asphalt, concrete, buildings, or other impervious surfaces. Urban land soils are not a hydric soil, and permeability of the soil is considered highly variable due to cutting and filling activities.

### **5.4.3 Geology**

---

According to the Maryland Geologic Survey Geologic Map of Maryland dated 1968 obtained from the website <http://www.mgs.md.gov/esic/geo/lgcp.html#ql> (which includes the District of Columbia), the Site is located in the Atlantic Coastal Plain physiographic province, which is situated east of the fall line that separates the unconsolidated sediments of the Atlantic Coastal Plain province from the metamorphic units of the Piedmont. Specifically, the Site is underlain by the Mesozoic Era, Cretaceous System, and Lower Cretaceous Series stratigraphic unit.

### **5.4.4 Hydrogeology**

---

According to the USGS Ground Water Atlas of the United States (1997), the principal aquifer underlying the Site is the Potomac aquifer of the Northern Atlantic Coastal Plain aquifer system. The Northern Atlantic Coastal Plain aquifer system consists mostly of semi consolidated sand aquifers separated by clay confining units.

Based on the review of the soil, geologic, and hydrogeologic information as well as prior subsurface investigation reports, AEC concludes that the potential of site soils for contaminant or leachate migration is low to moderate. Prior environmental investigations have shown that the depth to the unconfined aquifer at the Site exists at a depth of approximately 15 to 20 feet below ground surface (bgs). Groundwater flow direction has been shown to be to the west-southwest, towards the convergence of the Potomac and Anacostia Rivers and the Washington Channel.

## **5.5 Historical Use Information**

---

AEC reviewed the following historical sources to develop a history of the previous uses of the Site and surrounding area, in order to help identify the likelihood of past uses having led to recognized environmental conditions in connection with the Site.

### **5.5.1 Aerial Photographs**

---

AEC reviewed an aerial photographs dated 1957, 1963, 1970, 1980 and 1988 that were obtained from EDR and an aerial photograph dated January 2004 that was obtained from GlobeXplorer.com. The results of the aerial photograph reviews are summarized as follows:

<b>Aerial Photograph Review</b>	
<b>Year</b>	<b>Observations</b>
1957	<p><b>SITE:</b> The northern Site lot appeared to be used as an unpaved vehicle or electrical equipment storage area. The southern lot appeared to be used as a storage lot for stockpiled coal. A conveyor system and a small building appeared to be located at the east-central portion of the southern Site lot. A railroad siding also appeared to be located along the northern and eastern portion of the Site lot</p> <p><b>SURROUNDING AREA:</b> Surrounding areas appeared to consist of former Ft. McNair buildings to the west and northwest, a few small structures and trees to the north, a partially cleared lot followed by the former Steuart fuel storage terminal to the northeast, a small cleared lot, the Generating Station and additional coal storage to the east, and two marinas and an undeveloped lot to the south.</p>
1963	<p><b>SITE:</b> Site conditions were similar to those in the 1957 photograph, with the exception that additional vehicles or equipment were stored on the northern Site lot, and at the northeastern corner of the southern Site lot.</p> <p><b>SURROUNDING AREA:</b> Surrounding areas were similar to those on the 1957 photograph, with the exceptions that two small structures appeared to have been constructed at the previously undeveloped lot south of the Site, and areas of the marina southwest of the Site had been cleared.</p>
1970	<p><b>SITE:</b> The prefabricated building had been installed at the northern Site lot, and it appeared that this area was being used for vehicle fueling and storage. The bulk fuel storage AST had been constructed at the southern portion of the southern Site lot, while the remaining portions of the lot were still being used for coal storage.</p> <p><b>SURROUNDING AREA:</b> Areas north, west and south of the Site appeared similar to those on the 1963 photograph. The combustion turbines appeared to have been installed in the former coal storage area at the eastern adjacent Generating Station property. In addition, two bulk storage ASTs had been installed northeast of the Site.</p>
1980	<p><b>SITE:</b> The Site appeared similar to the 1970 photograph, with the exception that it did not appear that the southern Site lot was being used for coal storage any longer.</p> <p><b>SURROUNDING AREA:</b> Surrounding areas appeared similar to those on the 1970 photograph, with the exception that the US Coast Guard headquarters building had been constructed south of the Site and the northernmost Ft. McNair building, which had been located northwest of the Site, had been demolished.</p>
1988	<p><b>SITE:</b> The Site appeared similar to the 1980 photograph; however, it appeared that the Site lots were becoming overgrown.</p> <p><b>SURROUNDING AREA:</b> Surrounding areas appeared similar to the 1980 photograph, with the exception that the remaining two Fort McNair buildings that were located west of the Site had been demolished.</p>

Aerial Photograph Review	
Year	Observations
2004	<p><b>SITE:</b> The Site appeared similar as it did on the date of the Site reconnaissance. Both Site lots were developed as asphalt-paved parking lots. The prefabricated building and bulk fuel storage AST were present at the north and south portions of the Site.</p> <p><b>SURROUNDING AREA:</b> Areas surrounding the Site appeared similar as they did on the date of the Site reconnaissance. Surrounding areas consisted of the scrap yard to the north, the PEPCO bulk fuel storage facility to the northeast, the Generating Station to the east, the Buzzard Point Marina to the southeast, the Coast Guard headquarters building to the south, the Fort McNair Yacht Club marina to the southwest, and Ft. McNair to the west.</p>

Copies of the reviewed aerial photographs are included in Appendix E.

### 5.5.2 Fire Insurance Maps

Sanborn Maps dated 1984, 1988, 1990, 1991, 1992 and 1994 were reviewed for this assessment. The following are descriptions and interpretations from the historical map review: Copies of the fire insurance maps are provided in Appendix D.

Historical Map Review	
Years	Observations
1984 through 1994	<p><b>SITE:</b> The Site appeared as a PEPCO vehicle storage lot and garage building on the northern Site lot and a PEPCO property storage yard and bulk fuel storage facility on the southern Site lot on all of the reviewed fire insurance maps.</p> <p><b>SURROUNDING AREA:</b> Areas surrounding the Site appeared similar on all of the reviewed Sanborn maps, with the exception that buildings associated with Fort McNair to the west of the Site were demolished between 1984 and 1988, and one new building was constructed in approximately 1990. Surrounding areas on all of the reviewed maps generally consisted of a parking lot and scrap metal yard to the north, the PEPCO bulk fuel storage facility followed by the Steuart Petroleum bulk fuel terminal and a Hess Oil &amp; Chemical Corporation fuel plant to the northeast, the PEPCO transfer yard and Generating Station to the east, and the Buzzards Point Marina, US Government Office Building (Coast Guard headquarters), and the Fort McNair Yacht Club to the south.</p>

### 5.5.3 City Directories

AEC reviewed historic city directories dated 1948, 1956, 1965, 1970, 1975, 1980, 1990 and 2000 at the Martin Luther King, Jr. Library, Washingtonian Room. The following is a summary of information from the city directory review.

<b>City Directory Review</b>	
<b>Years</b>	<b>Observations</b>
1948	<p><b>SITE:</b> Addresses related to the Site were not listed.</p> <p><b>SURROUNDING AREA:</b> Listings for surrounding areas included residences, Morauer &amp; Hartzell excavating contractors, Webb Aircraft Sales, Conserco Concrete, Howat Concrete Company, Stephens Clifford dairy, Highland Farms Milk Company, WashTraylor Company and Keyston Alloys Company.</p>
1956	<p><b>SITE:</b> Addresses related to the Site were not listed</p> <p><b>SURROUNDING AREA:</b> Listings for surrounding areas included residences, High's Dairy, John S. Reece auto wrecker, D&amp;M Wrecking Company, John S. Reece auto storage lot, US Army Department of Engineers, Corinthian Yacht Club, Howat Concrete Company, and Am Moving Service, Inc.</p>
1965	<p><b>SITE:</b> cor Buzzard Point Yard</p> <p><b>SURROUNDING AREA:</b> Listings for the surrounding area included Shulman's Liquor Morauer &amp; Hartzell, Merchant's Transfer &amp; Storage, Austin Nichols &amp; Company, Inc., Super Salvage, Inc., Hall's Restaurant, Blue Spade Wall Covering, Corinthian Yacht Club Steward House, Corinthian Yacht Club club house, Howat Concrete, and Long Marine Service (repairs).</p>
1970	<p><b>SITE:</b> Cor PEPCO (Equip Yard), PEPCO (garage)</p> <p><b>SURROUNDING AREA:</b> Listings for the surrounding area included residences, High's Dairy Products, Inc., Shulman's SW Liquors, Austin Nichols &amp; Co., Merchant's Transfer &amp; Storage, Super Salvage, Inc., Buzzard Point Boat Yard &amp; Sail Boat Rentals, PEPCO (Buzzard Point Generating Station), Hall's Restaurant, US Army HQ, Jacob's Transfer, Corinthian Yacht Club, Littleford Michl Marine Service (repairs), Gov't Services, Inc., Fort McNair Yacht Basin, and Howat Concrete Company.</p>
1975	<p><b>SITE:</b> Addresses related to the Site were not listed.</p> <p><b>SURROUNDING AREA:</b> Listings for the surrounding area included Buzzard Point Marina, Shulman's SW Liquor, Fairchild Adjustment, Merchant Transfer &amp; Storing, United Van Lines Agency, Super Salvage, Inc., residences, American Battle Monument, Finance &amp; Act of USA, Morauer &amp; Hartzell, Valet Shop, McLachlen Nat'l Bank, Office Cleaning, Inc., US Railway Association, USCG Documentation and Westwood Management.</p>
1980	<p><b>SITE:</b> Addresses related to the Site were not listed.</p> <p><b>SURROUNDING AREA:</b> Listings for the surrounding area included Shulman's Liquor, Super Salvage, Inc., PEPCO, Buzzard Point Boat, Buzzard Point Marina, residences, Custom Food Mng Sys, McLachIn Bk Wtrfrnt, Office Cleaning, Inc., United St. Railway, US Gov't Nat'l Admin, US Railway Association, Westwood Management and Ft. McNair Yacht.</p>

City Directory Review	
Years	Observations
1990	<p><b>SITE:</b> Addresses related to the Site were not listed.</p> <p><b>SURROUNDING AREA:</b> Listings for the surrounding area included Chang's Carry Out, Shulman's Liquor, Super Salvage, Inc., Buzzard Point Boat, residences, Carlson Food Systems, Gelco Travel, Liberty Building, Tamsco, US Trans CG Aux HQ, Boat Repairs, Chief Warrant Officers, Fort McNair Yacht and Goose Bay Aggregate.</p>
2000	<p><b>SITE:</b> Addresses related to the Site were not listed.</p> <p><b>SURROUNDING AREA:</b> Listings for the surrounding area included Super Salvage, Inc., Buzzard Point Boat, Building Service Management, Nat'l War College Alumni Assn, US DOT, US Trans CG HQ Support Command, US Trans CG Info, Personnel, apartments and the James Creek Marina.</p>

#### 5.5.4 Property Tax Files

AEC reviewed available tax file information for the Site from the District of Columbia Chief Financial Officer's website (<http://www.taxpayerservicecenter.com>). The tax file indicates that the Site is owned by PEPCO. No additional pertinent information was available from this source. Property detail reports of the Site parcels are included in Appendix D.

#### 5.5.5 Interview Information

AEC interviewed Mr. Shahid Anis of PEPCO for information regarding the Site. Information obtained from Mr. Anis is included in pertinent sections of this report. A copy of the questionnaire that answered by Mr. Anis is included in Appendix F.

#### 5.5.6 Previous Environmental Reports

PEPCO provided the following previous environmental reports in association with the Site to the Client:

- *Phase I Environmental Assessment* report, prepared by URS Corporation, Inc. (URA), dated April 4, 2005
- *Limited Phase II Environmental Investigation* report, prepared by URS, dated March 22, 2005

AEC reviewed the previous reports as a part of this assessment. The findings and conclusions of the reviewed reports are summarized below.

URS prepared a Phase I ESA of the Buzzard Point Property in April 2005. AEC notes that this assessment did not include the northern Site lot (Square 607). The URS assessment included interviews with Mr. Shahid Anis and Mr. Fariba Mahui of PEPCO, and referenced previous environmental reports in association with the Site and adjacent Generating Station. In addition, an environmental assessment questionnaire that was answered by Mr.



S.H. Taylor and Mr. L.B. Spencer of W.A. Chester, Inc. was included in the report. The questionnaire indicated that the southern Site lot was leased to W.A. Chester, Inc. beginning in 1972 for use as a vehicle and equipment storage and maintenance area.

Based on their assessment, URS identified the historic use of the southern Site lot for coal storage and fuel storage as concerns. In particular, potential leaks from the underground pipeline and the pits near the bulk fuel storage AST were thought to have the potential to create a recognized environmental condition at the southern Site lot. The former fueling station that was located at the northern Site lot was also identified as a recognized environmental condition. Off-site recognized environmental conditions included the inactive Generating Station, the former PEPCO storage yard, and the Super Salvage scrap yard.

URS conducted a Limited Phase II Environmental Investigation in January 2005 that included 12 soil borings completed to depths ranging from 10 feet to 32 feet bgs. This report did not include boring logs. In addition to the boring exploration, water from the two concrete pits located adjacent to the AST was also sampled and analyzed. The URS investigation did not include any sampling of surficial soils at the site; all sampling was at a depth of at least 10 feet below ground surface. This study did not include an investigation of the northern Site lot (Square 607).

Groundwater, pit water, and soils were sampled and analyzed for various chemical parameters including TPH GRO and DRO, VOCs, Semi-Volatile Organic Compounds (SVOCs), priority pollutant metals, and PCBs.

The result of the analyses indicated that some soils at the site are impacted with petroleum hydrocarbons and groundwater is impacted with petroleum hydrocarbons and lead. The lead impact to groundwater was identified at both locations where analyses were performed. The lead concentrations in groundwater were elevated and were not likely to be the result of naturally occurring conditions. These lead concentrations ranged from 1,900 to 8,800 micrograms per liter (ug/l). URS concluded that there is evidence that soil and groundwater has been affected by releases of petroleum hydrocarbons, and the presence of combustion products and metals.

Geomatrix conducted an assessment of the Buzzard Point Properties, including the northern Site lot. The date of this assessment is unknown (a review of the document failed to provide a date at which the field work was performed or report was prepared). Due to the sampling methodology (composite) and the fact that laboratory analytical reports were not attached to the document received from PEPCO, this material was deemed unreliable.

Previous environmental reports concerning the adjacent Generating Station were obtained by AEC at the DC DOH. Information from these reports was discussed in Section 3.6 of this report.

Copies of the reviewed prior reports have been provided in Appendix H. Due to the volume of these reports, information that has been deemed superfluous has been omitted from the copies attached herein.

### 5.5.7 Historical Use Summary

The past use of the Site, as determined by a review of reasonably ascertainable historical information, is summarized in the following table:

Historical Use of the Site	
Years	Site Use
Late 1920s to 1968	The Site was used as a coal storage yard and a vehicle or equipment storage lot.
1968 to 1981	The northern Site lot was used as a vehicle fueling and storage lot. The southern Site lot was used for coal storage and bulk fuel storage, until the remaining coal was removed or used in approximately 1972. After 1972, the southern Site lot was used for bulk fuel storage by PEPCO, and as a vehicle and equipment storage and maintenance area by W.A. Chester, Inc.
1981 to 1990s	The Generating Station was decommissioned in 1981, and the Site appeared to be unused from 1981 until it was developed into two asphalt-paved parking lots, sometime after 1988.
1990s to present	Two asphalt-paved parking lots that are owned by PEPCO and leased to the US Government.

The review of the above-referenced historical sources indicated that the southern Site lot was used as a coal storage yard from the late 1920s until the Generating Station began using fuel oil to power the plant in 1968. From this point until the Generating Station was decommissioned in 1981, the southern Site lot was used for bulk fuel storage. An underground pipeline was used to connect the 1.9-million gallon AST to the Generating Station. The northern Site lot appeared to have been used for vehicle fueling and storage from the late 1960s until the USTs (one 6,000-gallon gasoline, one 6,000-gallon diesel fuel and one 20,000-gallon gasoline) were removed in 1988 and 1993. In conclusion, the historical use of the Site as a coal storage yard, a bulk fuel storage facility and a vehicle fueling station are recognized environmental conditions.

## **6.0 Site Reconnaissance**

The objective of the site reconnaissance was to obtain information indicating the likelihood of any recognized environmental conditions in connection with the Site. This reconnaissance was conducted on Tuesday, June 7, 2005 by Ms. Leslie Kopchinski, Project Manager of AEC. Ms. Kopchinski was not provided with access to the Site during the site reconnaissance; however, the majority of on-site improvements could be observed through the security fences. Mr. Jeff Stein and Mr. John Merletti of AEC were provided with Site access during the concurrent Phase II Subsurface Investigation. The weather conditions at the time of both Site inspections were sunny, with temperatures in the 75-degree Fahrenheit range.

### **6.1 Methodology and Limiting Conditions**

---

The site reconnaissance consisted of walking the public sidewalks around the perimeter of the Site and the public access roads in the surrounding area of the Site. As previously noted, AEC had very limited access to the Site for the purpose of the Phase I Site Assessment; however, Mr. Jeff Stein and Mr. John Merletti of AEC were provided with access to the Site during the concurrent Phase II Subsurface Investigation. Photographs of the Site were taken during the Phase II investigation to document existing site conditions and are included and described in Appendix C.

### **6.2 Interviews**

---

AEC interviewed Mr. Shahid Anis and Mr. Vernon Gibson, both of PEPCO, regarding the Site. Information obtained from this interview is included in pertinent sections of this report.

### **6.3 Hazardous Substances in Connection with Identified Uses**

---

AEC did not observe any hazardous substances in connection with identified uses at the Site. Reportedly, parking lot maintenance supplies such as a broom, salt and landscaping equipment are stored in the shed located on the southern Site lot. AEC was not provided with access to this shed during either Site visit; however, Mr. Anis stated that the same parking lot maintenance supplies are currently stored in this area, and AEC does not consider these supplies to be a concern to the Site. Additionally, AEC was not provided with access to the prefabricated building at the northern Site lot due to security concerns. Mr. Vernon Gibson of PEPCO indicated that the building is used by the US Government, and he had no additional knowledge regarding the use of this building by the government.

### **6.4 Waste Generation, Storage and Disposal**

---

No indications of waste generation, storage, or disposal were noted on the Site as it is used as two parking lots.

## 6.5 Storage Tanks

---

One 1.9-million gallon bulk fuel storage AST is located at the southern portion of the southern Site lot. The AST is surrounded by an approximate six foot concrete containment dike. The exact installation date of this AST is unknown; however, historical research has revealed that it was installed when the adjacent PEPCO Generating Station was converted from being fueled by coal to using #6 fuel oil in the late 1960s. Mr. Shahid Anis of PEPCO stated that he did not know whether releases from the bulk fuel storage AST had occurred. Reportedly, an underground pipeline connected the AST to the Generating Station. Mr. Anis did not provide any information regarding the pipeline or any related releases. Previous environmental reports have indicated that both the AST and the underground pipeline were taken out of service in 1981 when the Generating Station was decommissioned. The previous URS Phase I ESA report indicated that the AST has remained empty since 1981 and the pipeline was filled in place.

Additionally, the northern Site lot was previously used by PEPCO as a vehicle fueling station and storage lot from 1970 until 1993. One 20,000-gallon gasoline UST, one 6,000-gallon gasoline UST, and one 6,000-gallon diesel fuel UST were previously located at the southeastern portion of the northern Site lot, identified as 180 S Street, SW and as the Buzzard Point gas station. Both of the 6,000-gallon USTs were removed from the Site in November 1988. Regulatory review revealed two separate UST listings that reference four 6,000-gallon gasoline and diesel USTs at the Site; however, all other referenced previous reports and correspondence state that two 6,000-gallon USTs were present. LUST Cases were not identified in association with the removal of the two 6,000-gallon USTs. Correspondence from PEPCO dated March 30, 1988 that was included in the previous URS Phase I ESA suggested that the USTs were to be removed by Chevron USA, Inc. so that they would not have to be upgraded when federal UST upgrade legislation took effect.

The Site was identified in LUST Case 93-094 in relation to the 20,000-gallon UST, which was removed in September 1993. According to the file at the DC DOH, confirmation soil samples that were collected during the removal of the UST were not significantly contaminated; however, groundwater samples were above regulatory limits for some constituents. As a CSA was already being prepared for the adjacent Generating Station at this time, the DC DOH required PEPCO to prepare a CSA Addendum report to include the former 20,000-gallon UST site. A copy of the CSA Addendum report was not available for review; however, the LUST Case 93-094 file indicated that one monitoring well (MW-13) was installed in this area. Petroleum concentrations in soil during the installation of the well were below DC DOH action limits, while BTEX and TPH constituents were above action limits in groundwater. The BTEX concentration was 1.77 mg/L and the TPH concentration was 3.0 mg/L. Additional information was not provided in the LUST Case file; however, the case was granted regulatory closure on May 9, 1994.

The Site was used for the storage of significant quantities of #6 fuel oil, gasoline, and diesel fuel in ASTs and USTs from the late 1960s until 1993. In addition, an underground pipeline was trenched between the 1.9-million gallon bulk fuel storage AST and the adjacent Generating Station, and no information regarding releases from the AST or pipeline is

known. AEC considers the historic use of the AST, pipeline, and USTs at the Site to be recognized environmental conditions.

## 6.6 Polychlorinated Biphenyls (PCBs)

---

The Site was investigated for the presence of equipment that could contain polychlorinated biphenyls (PCBs). PCBs are toxic coolants or lubricating oils that can be found in oil-filled equipment such as electrical transformers, capacitors, hydraulic elevators, hydraulic service bay lifts, and fluorescent light ballasts. No equipment that could potentially contain PCBs was identified at the Site.

### ***Fluorescent light ballasts***

AEC observed fluorescent light fixtures on poles installed throughout both Site lots. In 1979, the USEPA banned the manufacture and sale of PCBs. Based on the reported date of construction of the parking lot (after 1988), ballasts associated with the fluorescent light fixtures are unlikely to contain PCBs. However, any ballasts that are not labeled "non-PCB" should be disposed of in accordance with applicable local, state, and federal regulations.

AEC did not identify additional equipment that would be suspected to contain PCBs at the Site.

## 6.7 Indications of Solid Waste Disposal

---

AEC did not note indications of solid waste disposal at the time of the site visit. No waste receptacles were observed at Site, and Mr. Shahid Anis stated that waste is not generated at the Site.

## 6.8 Other Conditions of Potential Concern

---

AEC also examined the Site for evidence of the following potential environmental conditions:

Conditions	Not Observed	Observed	Potential Concern?
Chemical/Petroleum Odors	X		No
Pools of Liquid	X		No
Floor Drains/Sumps/Wells	X		No
Stains or Corrosion	X		No
Unidentified Containers	X		No
Stained Soil or Pavement	X		No
Stressed Vegetation	X		No

AEC did not observe any of the above-mentioned conditions of potential concerns at the Site.

## 7.0 Findings and Conclusions

Advantage Environmental Consultants, LLC has performed a Phase I Environmental Site Assessment, in conformance with the scope and limitations of ASTM Practice E 1527-00, of the property known as Buzzard Point in Washington, DC. This assessment has revealed the following recognized environmental conditions in connection with the Site.

- The historical use of the Site as a coal storage yard, a bulk fuel storage facility and a vehicle fueling station are recognized environmental conditions.

In addition, this assessment has revealed the following recognized environmental conditions in connection with off-site properties:

- The adjacent Generating Station and former PEPCO bulk fuel storage facility, in association with LUST Case #93-051, which has documented the presence of significant soil and groundwater contamination at these properties and groundwater flow towards the Site
- The adjacent Super Salvage, Inc., facility, which has operated a metal scrap yard at this location since the 1960s

## 8.0 References

ASTM, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," ASTM Designation E 1527-00, Published July 2000;

*Buzzard Point*, prepared by Cassidy & Pinkard, dated March 2005;

Buzzard Point Station progress report, prepared by Potomac Electric Power Company (PEPCO), dated August 19, 2004;

Buzzard Point Station progress report, prepared by PEPCO, dated August 19, 2004;

*Comprehensive Site Assessment, PEPCO, Buzzard Point Station (Executive Summary)*, prepared by TPH Technology, Inc., dated August 11, 1993;

*Corrective Action Plan, Remedial Specifications and Implementation Details, Buzzard Point Generating Station*, prepared by TPH Technology, Inc., dated March 10, 1995;

District of Columbia Chief Financial Officer's Real Property Tax Assessment database website [www.taxpayerservicecenter.com](http://www.taxpayerservicecenter.com);

Environmental Data Resources, Inc. (EDR), The EDR Aerial Photo Decade Package, Inquiry Number 1428986.4, dated May 25, 2005;

EDR, Radius Map with GeoCheck, Inquiry Number 1428986.2s, dated May 26, 2005;

EDR, Sanborn Fire Insurance Map Report, Inquiry Number 1428986.3s, dated May 26, 2005;

Globexplorer aerial photograph, [www.globexplorer.com](http://www.globexplorer.com), dated 2004;

*Haines Criss Cross City Directories, Washington, DC*, dated 1970, 1975, 1980, 1990 and 2000;

*Limited Phase II Environmental Investigation*, prepared by URS Corporation, Inc., dated March 22, 2005;

Maryland Geologic Survey Geologic Map of Maryland dated 1968 obtained from the website <http://www.mgs.md.gov/esic/geo/>;

R.L. Polk & Company, *Washington, DC City Directories*, dated 1948, 1956 and 1965;

United States Department of Agriculture, *Soil Survey of the District of Columbia*, dated 1975;

United States Geological Survey (USGS) 7.5 Minute Series, Alexandria, VA Topographic Map, [www.topozone.com](http://www.topozone.com), dated 1994;

United States Geological Survey, *Ground Water Atlas of the United States*, 1997;



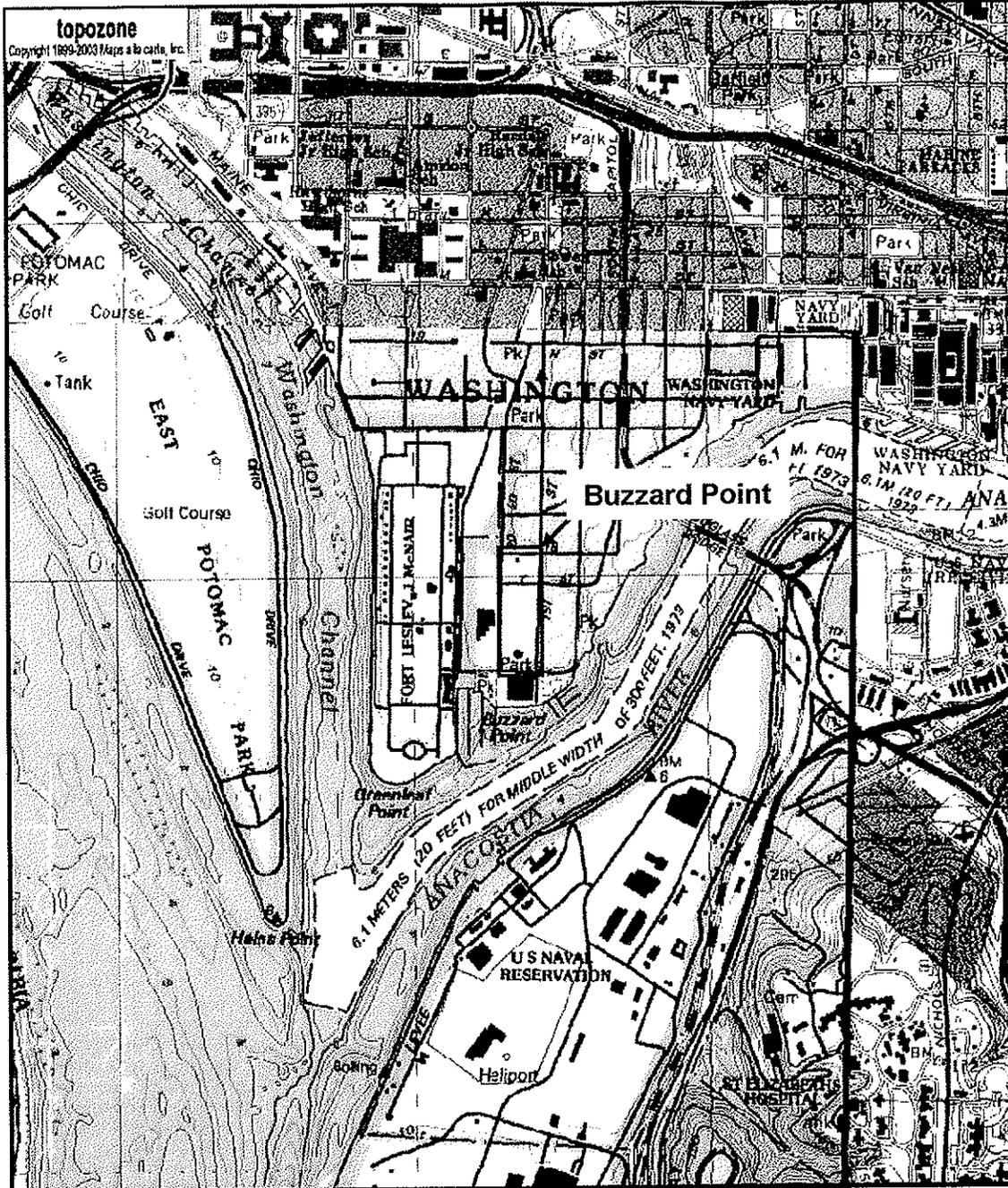
## **APPENDICES**

- Appendix A – Site Vicinity Map (1)
- Appendix B – Site Plan (1)
- Appendix C – Site Photographs (5)
- Appendix D – Historical Research Documentation/Maps (12)
- Appendix E – Aerial Photographs (6)
- Appendix F – Records of Communication (7)
- Appendix G – Regulatory Records Documentation (56)
- Appendix H – Prior Environmental Reports (89)
- Appendix I – Qualifications of Environmental Professionals (6)



**APPENDIX A  
SITE VICINITY MAP**

---



Map center is UTM 18 325345E 4303925N (WGS84/NAD83)  
 Alexandria quadrangle  
 Projection is UTM Zone 18 NAD83 Datum

M=-10.842  
 G=-1.264

**ADVANTAGE**  
 ENVIRONMENTAL  
 CONSULTANTS, LLC.

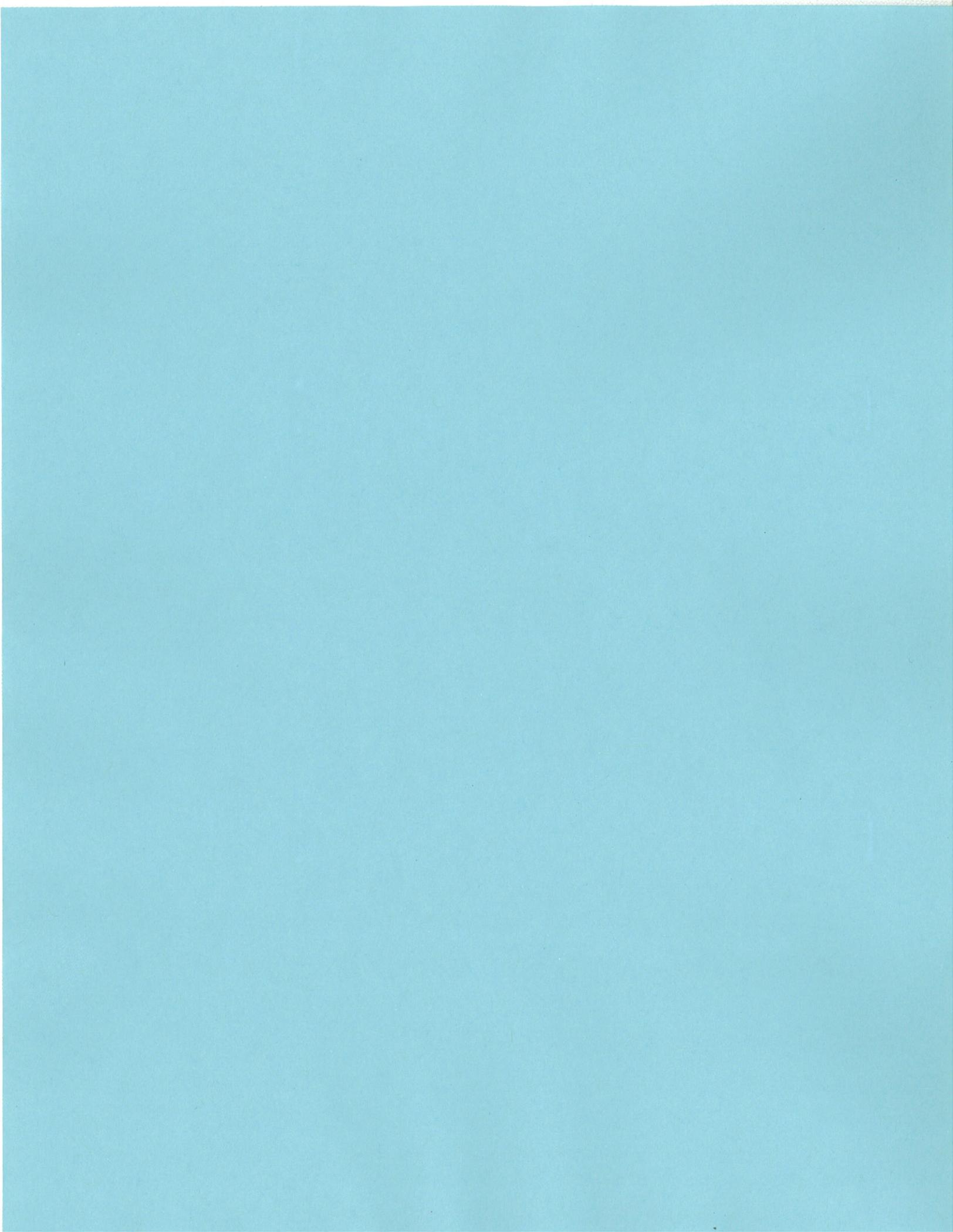
8610 Baltimore Washington Boulevard, Suite 217  
 Jessup, MD 20794  
 Phone: 301-776-0500 Fax 301-776-1123

Site Map  
 Buzzard Point  
 2nd Street and S Street, SW  
 Washington, DC 20024

AEC Project No.:  
 05-099

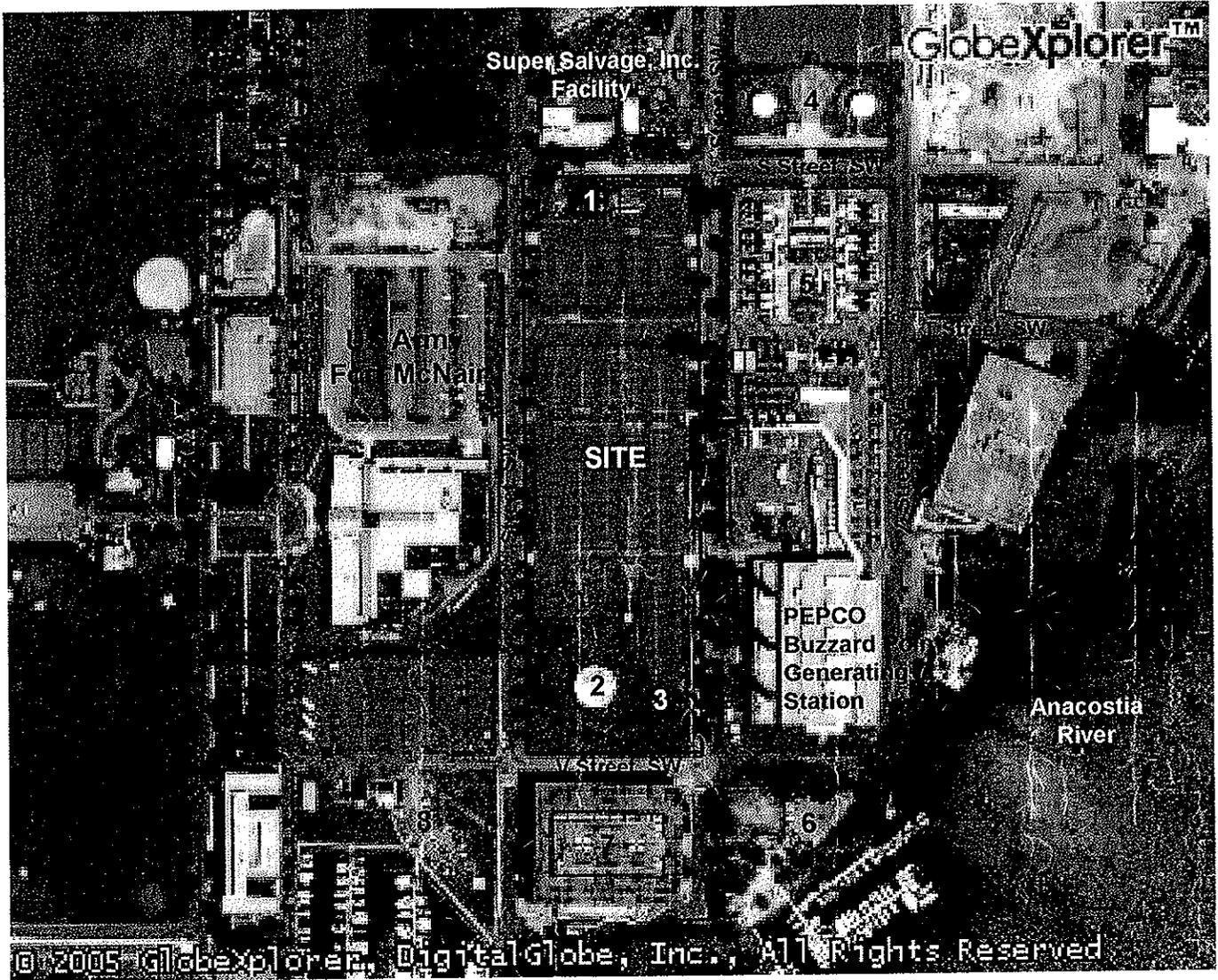
Report Date:  
 6/10/05

Drawn By:  
 LAK



**APPENDIX B**  
**SITE PLAN**

---



**KEY**

- 1 = On-site Prefabricated Building
- 2 = On-site Bulk Fuel Storage AST
- 3 = On-site Pits

- 4 = PEPCO Bulk Fuel Storage ASTs
- 5 = PEPCO Combustion Turbine Yard
- 6 = Buzzard Point Marina
- 7 = US Coast Guard Headquarters Building
- 8 = James Creek Marina

**ADVANTAGE**

**CONSULTANTS, LLC.**

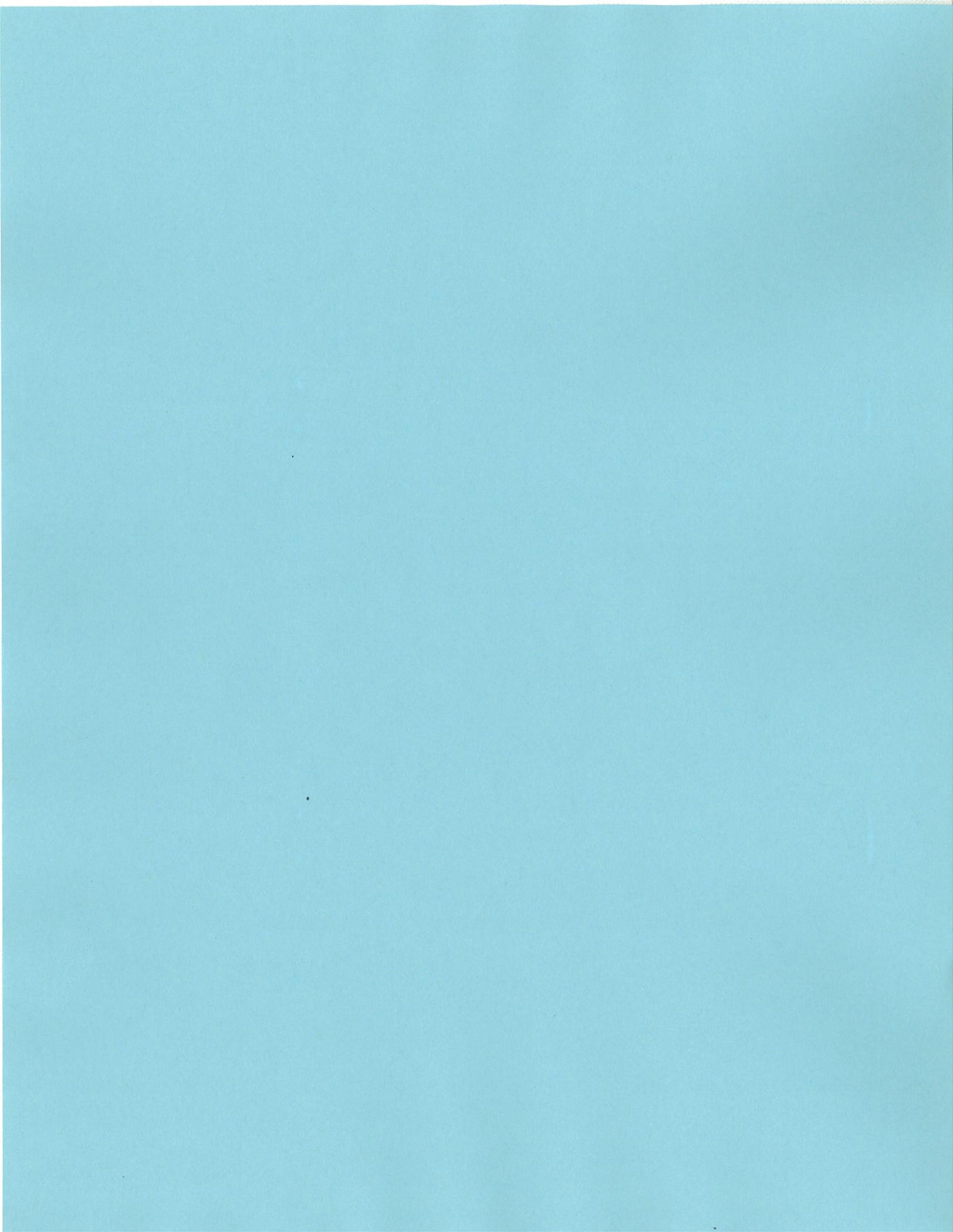
8610 Baltimore Washington Boulevard, Suite 217  
 Jessup, MD 20794  
 Phone: 301-776-0500 Fax 301-776-1123

Site Plan  
 Buzzard Point  
 2nd Street and S Street, SW  
 Washington, DC 20024

AEC Project No.:  
 05-099

Report Date:  
 6/10/05

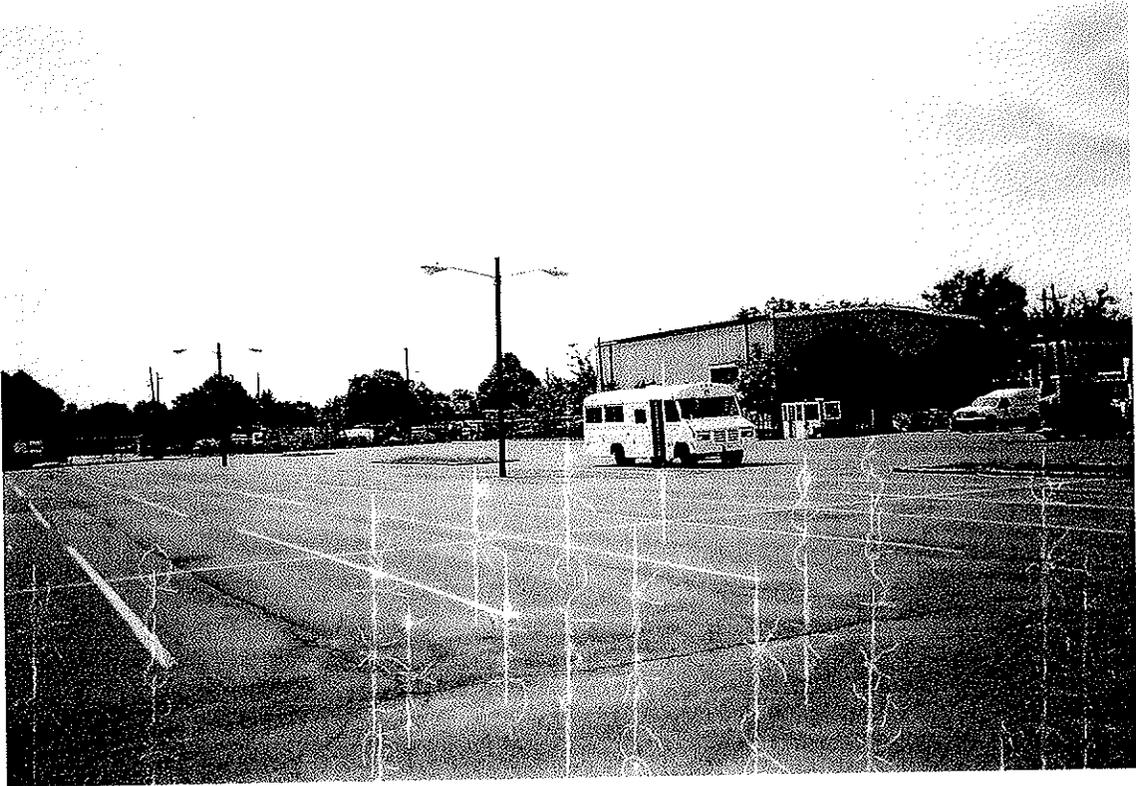
Drawn By:  
 LAK



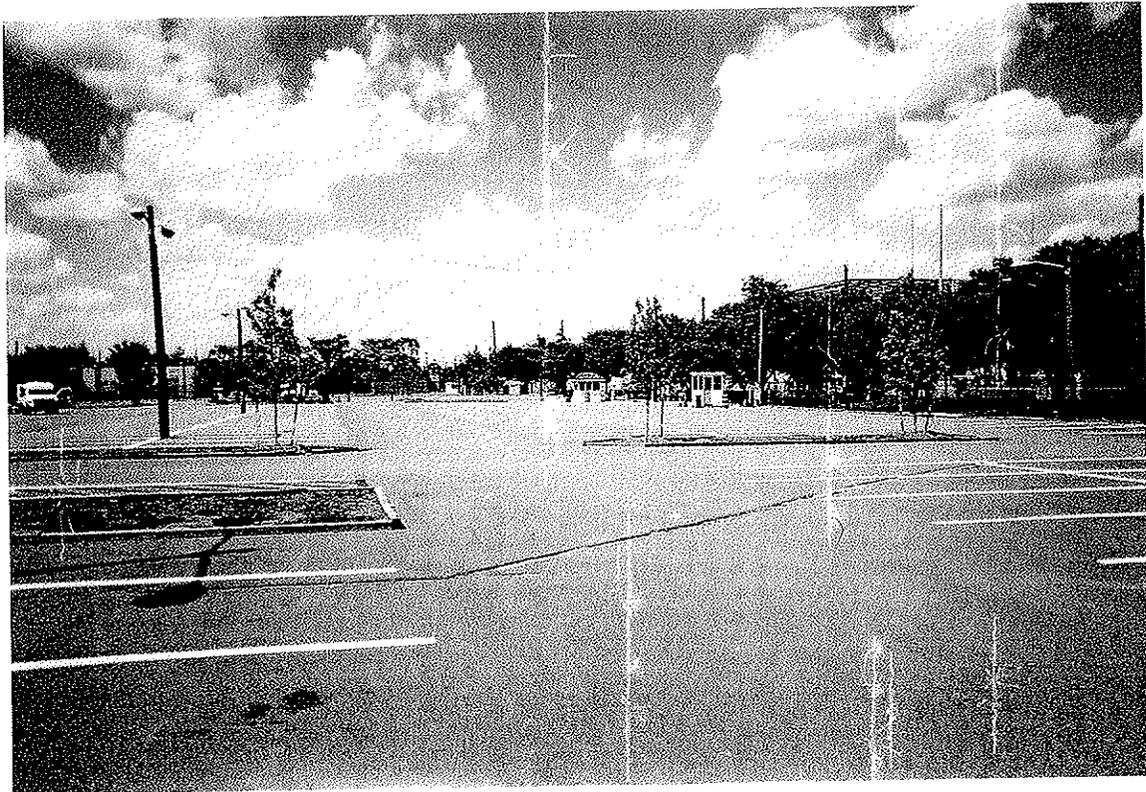


**APPENDIX C**  
**SITE PHOTOGRAPHS**

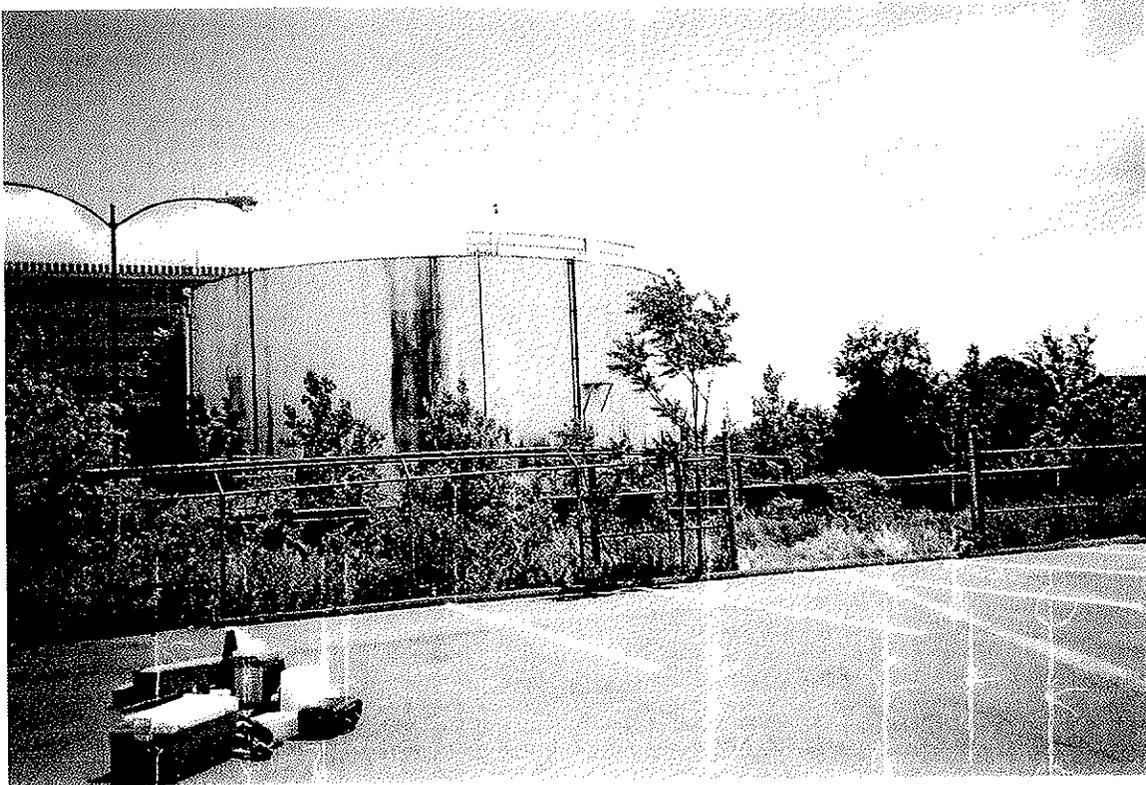
---



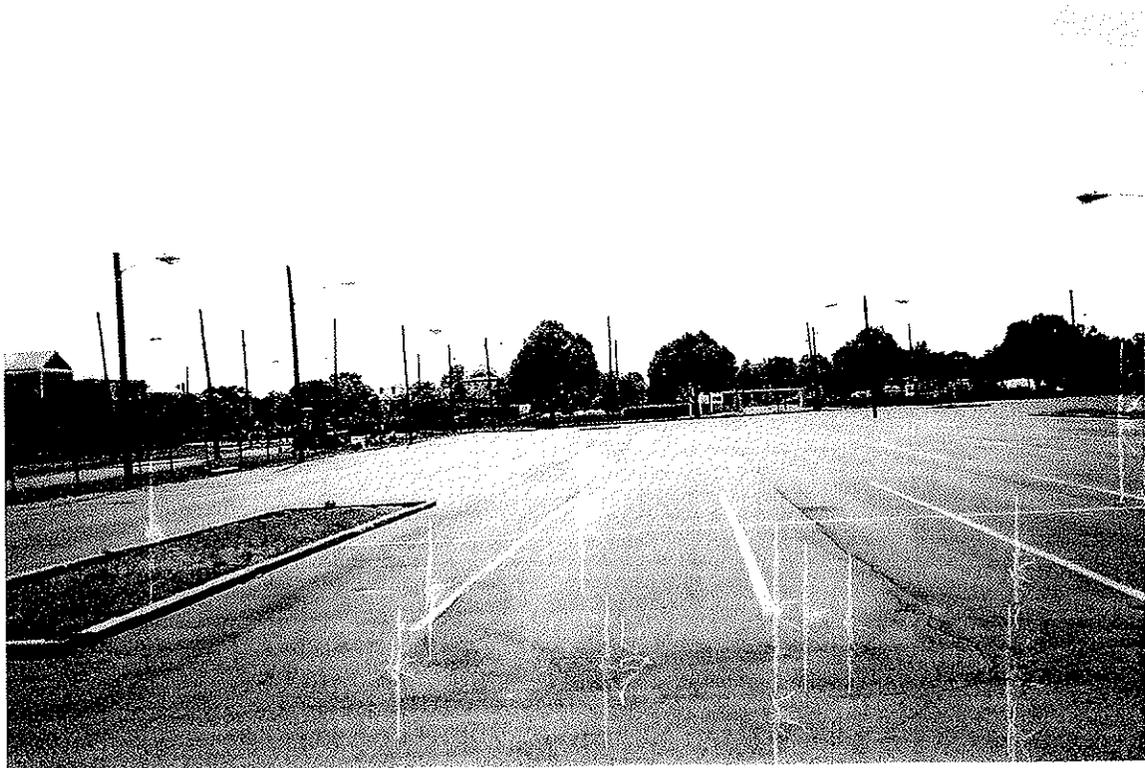
Photograph 1: View of the northern Site lot and prefabricated building.



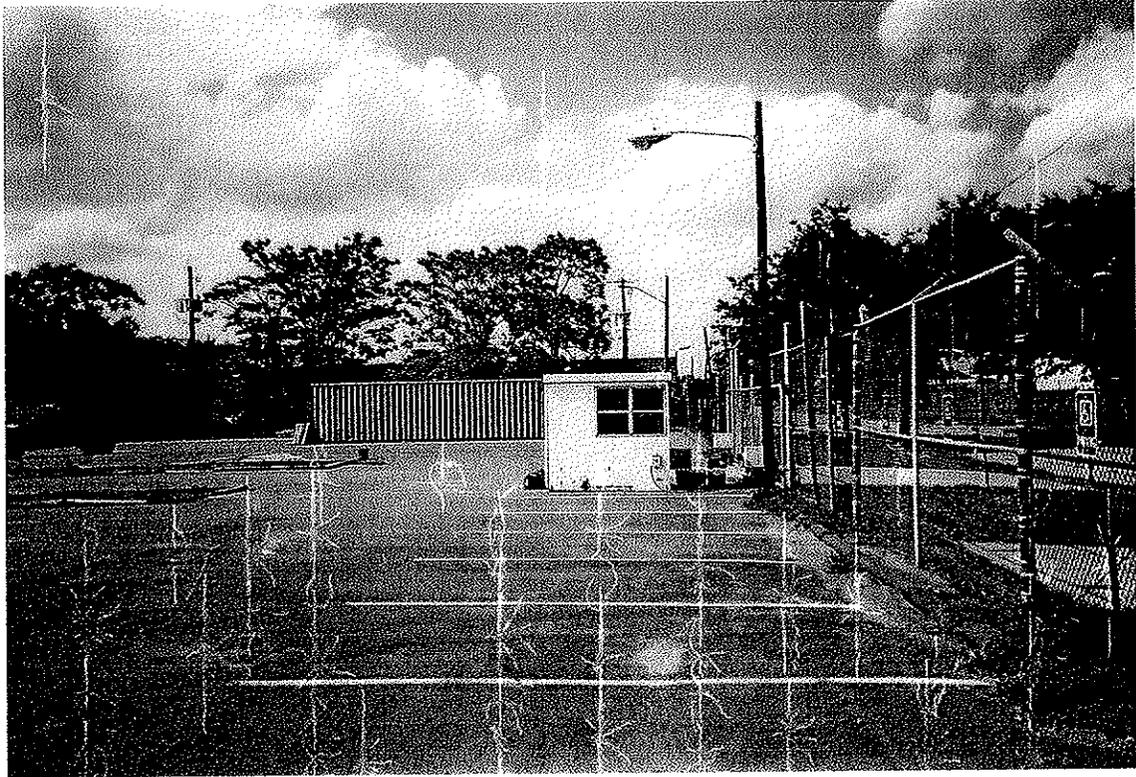
Photograph 2: Additional view of the northern Site lot, facing north.



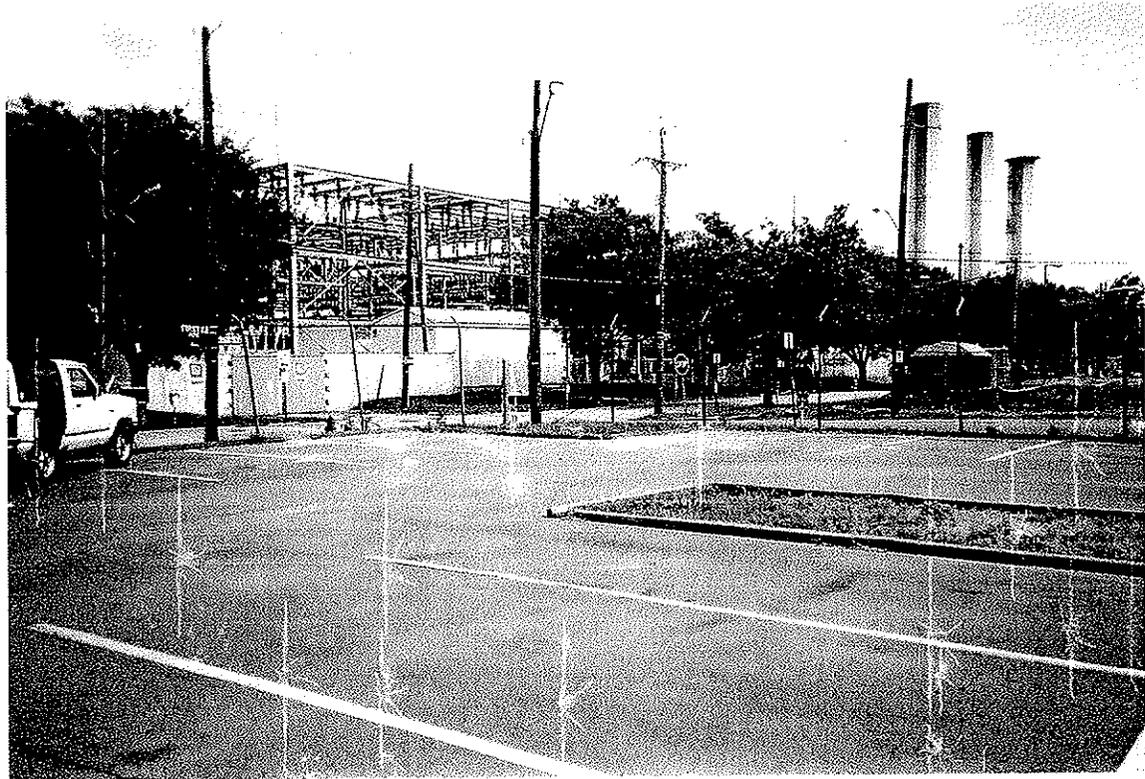
**Photograph 3:** View of the bulk fuel storage AST at the southern Site lot.



**Photograph 4:** View of the parking areas at the southern Site lot, facing north.



**Photograph 5:** View of a guard stand and storage trailer at the northern Site lot.



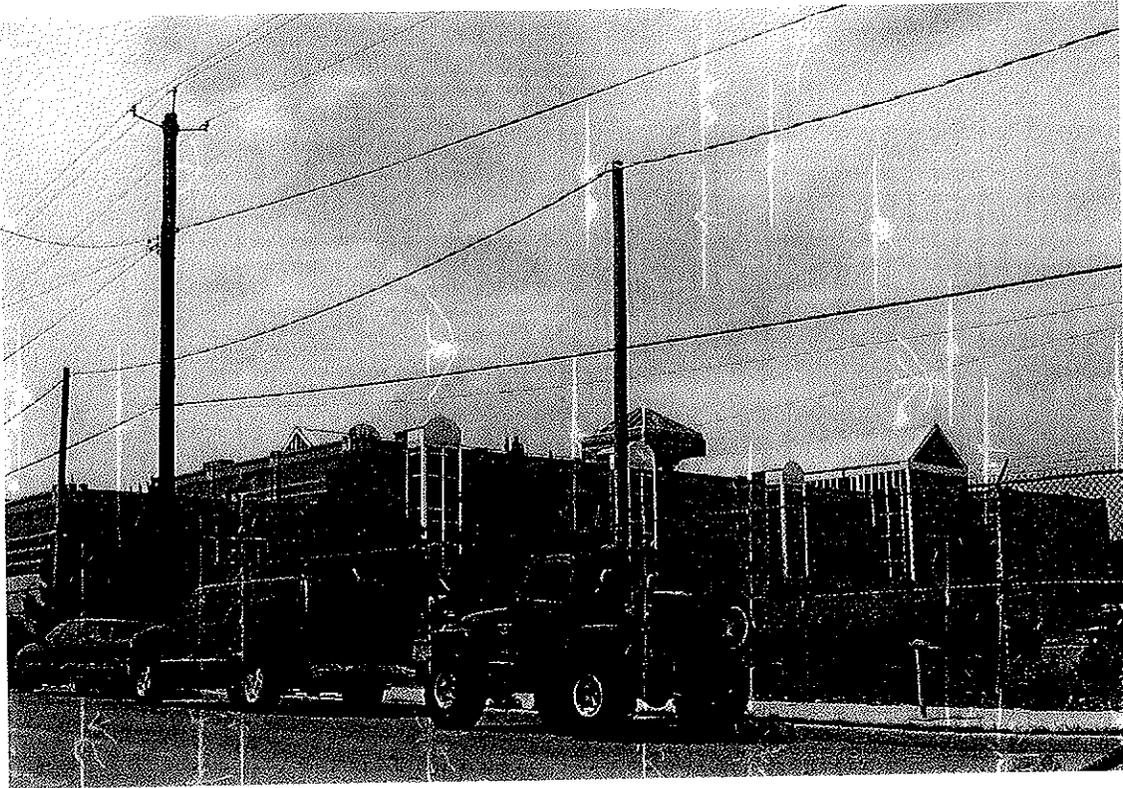
**Photograph 6:** View towards the eastern adjacent combustion turbine yard and the decommissioned Buzzard Point Generating Station.



**Photograph 7:** View towards the southern adjacent US Coast Guard headquarters building.



**Photograph 8:** View towards the north adjacent Super Salvage, Inc. facility.



**Photograph 9:** View towards the west adjacent Fort McNair building.

***A*dvantage *E*nvironmental  
*C*onsultants, LLC**

---

**PHASE II ENVIRONMENTAL SITE ASSESSMENT**

**Buzzard Point  
2<sup>nd</sup> Street and V Street, SW  
Washington, DC 20024**

**AEC Project No. 05-093  
June 10, 2005**

*Prepared for.*

**The John Akridge Companies, Inc.  
601 13th Street, NW  
Suite 300 North  
Washington, DC 20005**

*Prepared by.*

**Advantage Environmental Consultants, LLC  
8610 Washington Boulevard, Suite 217  
Jessup, Maryland 20794  
TEL (301) 776-0500 • FAX (301) 776-1123**

## TABLE OF CONTENTS

<b>EXECUTIVE SUMMARY .....</b>	<b>i</b>
<b>1.0 INTRODUCTION.....</b>	<b>1</b>
1.1 Project Introduction and Purpose.....	1
1.2 Site Location and Description .....	1
1.3 Site Topography and Hydrology.....	2
1.4 Site History .....	2
1.5 Summary of Potential Sources of Contamination .....	2
1.5.1 Onsite Concerns .....	2
1.5.2 Offsite Concerns .....	4
1.6 Previous Investigations.....	5
<b>2.0 SUBSURFACE INVESTIGATION ACTIVITIES .....</b>	<b>7</b>
2.1 Introduction.....	7
2.2 Geoprobe Boring Advancement.....	8
2.3 Soil Sampling Methodology.....	8
2.4 Groundwater Sampling Methodology .....	8
2.5 Sample Handling and Analysis .....	9
<b>3.0 INVESTIGATION ACTIVITY RESULTS .....</b>	<b>10</b>
3.1 Soil Sample Analytical Results.....	10
3.2 Groundwater Sample Analytical Results .....	11
3.3 Local Geology and Hydrogeology .....	12
<b>4.0 SUMMARY AND EVALUATION OF RESULTS .....</b>	<b>13</b>
4.1 TPH in Soil Results Evaluation .....	13
4.2 VOCs in Soil Results Evaluation .....	13
4.3 Metals in Soil Results Evaluation .....	13
4.4 PCBs in Soil Results Evaluation.....	14
4.5 Soil Disposal Characteristics Results Evaluation .....	14
4.6 TPH DRO in Groundwater Results Evaluation .....	15
4.7 VOCs in Groundwater Results Evaluation.....	15
4.8 Lead in Groundwater Results Evaluation .....	16
4.9 Conclusions .....	16

## APPENDICES

APPENDIX A	FIGURES
APPENDIX B	PRIOR REPORTS AND SUPPORTING DOCUMENTATION
APPENDIX C	BORING LOGS (B-1 THROUGH B-30)
APPENDIX D	LABORATORY ANALYTICAL SUMMARY TABLES
APPENDIX E	LABORATORY REPORTS



---

## FIGURES

- FIGURE 1: SITE VICINITY MAP
- FIGURE 2: SITE MAP WITH BORING LOCATIONS
- FIGURE 3: SOIL QUALITY MAP – TPH GRO/DRO – SHALLOW (0-8')
- FIGURE 4: SOIL QUALITY MAP – TPH GRO/DRO – DEEP (>8')
- FIGURE 5: SOIL QUALITY MAP – VOCS
- FIGURE 6: SOIL QUALITY MAP – LEAD
- FIGURE 7: SOIL QUALITY MAP – PCBS
- FIGURE 8: SOIL QUALITY MAP – TCLP METALS
- FIGURE 9: GROUNDWATER QUALITY MAP – TPH DRO
- FIGURE 10: GROUNDWATER QUALITY MAP – VOCS
- FIGURE 11: GROUNDWATER QUALITY MAP – DISSOLVED LEAD

## LABORATORY ANALYTICAL SUMMARY TABLES

- TABLE 1: TPH GRO AND DRO
- TABLE 2: VOLATILE ORGANIC COMPOUNDS
- TABLE 3: LEAD
- TABLE 4: PRIORITY POLLUTANT METALS
- TABLE 5: TCLP/RCRA-8 METALS
- TABLE 6: VOLATILE ORGANIC COMPOUNDS

---

## EXECUTIVE SUMMARY

This Phase II Site Assessment Report has been developed for The John Akridge Companies, Inc. for the Buzzard Point property (the "Site") by Advantage Environmental Consultants, LLC (AEC). Based on information provided by The John Akridge Companies, Inc., the development plan includes construction of mixed use buildings with basement parking garage(s). As part of this development, it is planned to excavate the majority, if not all, of the subsurface materials to depths between 30-50 feet below ground surface (bgs). This work was done in support of the calculation of contaminated soil volume estimates and to identify other environmental issues related to the construction of subsurface structures during the proposed development of the Site.

The Site is bound by V Street, SW, 2<sup>nd</sup> Street, SW, S Street, SW and 1<sup>st</sup> Street, SW. The real estate designation is Square 607 Lot 13, Square 609 Lot 804, and Square 611 Lots 19 and 810. The total site area is 384,052 square feet.

Thirty soil borings were advanced on the Site in a general grid pattern. Some select areas were focused on during this investigation. These areas are known potential contaminant sources, and included: the former fleet fueling station (Underground Storage Tank (UST) system) in the northern area of the Site (at the corner of 1<sup>st</sup> Street, SW and T Street, SW); and, the retired 1.9-million gallon above-ground storage tank (AST) and associated underground petroleum transfer lines and oil-water separation or valve pits in the southern area of the Site. The borings were advanced using two Geoprobe rigs. The drilling activities occurred on May 21 and 22, 2005.

### Field Methodology Summary

In general, soil samples were collected at the Site from three depth intervals: surface soil (0.5 to 2 foot bgs (below the pavement and sub-base)); shallow soil (2 to 3 feet bgs); and, deep soil (from zones exhibiting elevated photoionization detector (PID) readings or directly above the water table). Grab soil samples were collected from all of the borings from varying intervals, including shallow and deeper zones. Groundwater samples were also collected from multiple locations at the Site using temporary PVC wells.

The soil samples were analyzed for the following: Total Petroleum Hydrocarbon (TPH) Gasoline Range Organics (GRO) and Diesel Range Organics (DRO) via Environmental Protection

Agency (EPA) Method 8015M, Volatile Organic Compounds (VOCs) via EPA Method 8260, priority pollutant metals via EPA Methods 200.7 and 245.4, lead via EPA SM3113B, Polychlorinated Biphenyls (PCBs) via EPA Method 8082, Toxicity Characteristic Leachate Procedure (TCLP) metals via EPA Methods 1311/200.7 and 1311/245.1, and ignitability via EPA Method 40 CFR 261.21. The groundwater samples were analyzed for the following: TPH DRO via EPA Method 8015M, VOCs via EPA Method 8260, and dissolved lead via EPA SM3113B. The dissolved lead samples were field filtered prior to containerization using new, pre-cleaned 0.45 micron disposal filters

### **Soil Analytical Results Summary**

The results of the TPH GRO and DRO in soils analyses identified TPH DRO concentrations in six of the 24 soil samples collected by AEC from the Site. None of the soil samples indicated TPH GRO concentrations. All six soil samples which were above the laboratory detection limit were collected from within the fill material. None of the deeper samples collected from the native material indicated TPH DRO concentrations above detection limits. The TPH DRO concentrations above the laboratory detection limit in the soil samples ranged from 11 milligrams per kilograms (mg/kg) in sample B-7 (6') to 77 mg/kg in sample B-10 (11-12'). These samples were also screened with a PID during drilling operations, but none of the samples responded significantly above background levels. Results of the soil sampling indicate that the TPH DRO contamination is widely distributed across the Site, and is therefore thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. None of the TPH GRO or DRO sample analysis results exceed the DC Department of Health (DCDOH) Leaking Underground Storage Tank (LUST) standards.

The results of the VOC in soils analyses identified VOC concentrations in one of the nine soil samples collected by AEC from the Site. This sample, B-11 (2-3'), was collected from within the fill material at a relatively shallow depth. It should be noted that all of the soil samples which were non-detect for VOCs were also collected from within or directly below the fill material. The majority of the VOCs detected in B-11 are associated with petroleum hydrocarbons. URS Corporation (URS) conducted a Limited Phase II Environmental Investigation in January 2005 and advanced one of their 12 borings in the immediate vicinity of B-11. The soil sample collected from this boring (URS B-2 19 feet bgs) was non-detect for TPH GRO and DRO; however, a groundwater sample from this boring indicated a TPH GRO concentration of 110 micrograms per liter (ug/l). These samples were also screened with a PID

during drilling operations, but none of the samples responded significantly above background levels. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site and is therefore thought to be associated with a limited size petroleum surface spill. None of the VOC sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards.

The results of the lead in soils analyses identified lead concentrations in 26 of the 28 soil samples collected by AEC from the Site. All of the 26 soil samples with lead concentrations above the laboratory detection limit were collected from within or directly above the fill material. The lead concentrations in soil samples B-13 (2-3'), and B-16 (2.5') were below the laboratory detection limit. The remainder of the lead concentrations in soil samples ranged from 1.8 mg/kg in sample B-21 (7') to 1,000 mg/kg in sample B-24 (7-8'). Results for sampling of the metals indicate that the lead contamination is widely distributed across the site. None of the lead sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards, with the exception of B-10 (11-12') and B-24 (7-8').

The other priority pollutant metal of potential concern related to past Site use is arsenic. The results of the arsenic in soils analyses identified arsenic concentrations in eight of the ten soil samples collected by AEC from the Site. All of the eight soil samples with arsenic concentrations above the laboratory detection limit were collected from within the fill material. The arsenic concentrations range from below the laboratory detection limit in samples B-21 (7') and B-9 (4') to 8.2 mg/kg in sample B-24 (7-8'). All of the arsenic sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards. The range of arsenic concentrations in the eastern United States presented in Elements in North American Soils (Dragun and Chiasson, 1991) is <1.0 mg/kg to 73 mg/kg with a mean of 7.4 mg/kg. Therefore, arsenic in Site soils appears to be naturally occurring. Furthermore, AEC understands that the proposed arsenic cleanup level at the Spring Valley World War I era chemical weapons testing range cleanup site in DC is 20 mg/kg. This means that any concentration lower than 20 mg/kg can be left in place in this residential neighborhood. This cleanup level was recommended by the Spring Valley Scientific Advisory Panel as proposed by the EPA. The Spring Valley cleanup level is significantly higher than any concentration detected at the Site.

The PCB concentrations in all eleven of the soil samples collected by AEC from the Site were below the laboratory detection limit. The PCB concentrations in all nine of the soil and all four

of the groundwater samples collected by URS from the Site were also below the laboratory detection limit.

Soil samples were collected from multiple locations and varying depths across the Site. The purpose of these samples was to characterize the soil material that will be disturbed and may require special disposal in connection with the proposed construction of the subsurface structures at the Site. The soil samples were analyzed for common waste characterization analytes including: TCLP metals; ignitability; TPH GRO and DRO; VOCs; and PCBs. In conclusion, the results of all of the analysis discussed above did not identify any compounds or characteristics which would preclude the disposal of any of the designated soil at a commercial petroleum contaminated soil-disposal facility.

As a general note, during construction excavation operations, hydrocarbon odor in soil is as important a driver as the laboratory derived hydrocarbon concentration for determining if the soil is clean or hydrocarbon contaminated. The assumption is that "contamination" is defined as soils with TPH or other VOC concentrations greater than the laboratory detection limit, or for PID-screened soils, the background concentration (usually less than 5 parts per million (ppm)). Because all of the soil (both contaminated and uncontaminated) is to be removed during construction activities, and any level of contamination makes soil unsuitable for clean fill or construction debris, the commonly used 100 mg/kg TPH DCDOH LUST standard is not appropriate for this project. The 100 mg/kg TPH DCDOH LUST standard is typically used as a guideline for determining which contaminated soil can be left in place.

### **Groundwater Analytical Results Summary**

The TPH DRO concentrations in all five of the groundwater samples collected by AEC from the Site were below the laboratory detection limit. The TPH DRO concentrations in six of the seven groundwater samples collected by URS from the Site were also below the laboratory detection limit. The groundwater sample from URS boring B-11 indicated a TPH DRO concentration of 550 ug/l. This boring is located at the southern end of the Site, down gradient of the AST.

The results of the VOC in groundwater analyses identified VOC concentrations in one of the ten groundwater samples collected by AEC from the Site. This groundwater sample, B-9, was collected from the vicinity of the former vehicle fueling station in the southeastern portion of the northern Site lot. The majority of the VOCs detected in B-9 are associated with chlorinated

---

hydrocarbons. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site. None of the VOC sample analysis results exceed the DCDOH Residential Groundwater - Risk Based Screening Levels, with the exception of vinyl chloride and trichloroethene. It should be noted that groundwater is not used as a potable water source in the Site vicinity.

The results of the analysis did not identify the presence of dissolved lead above the laboratory detection limits in all 12 of the groundwater samples collected by AEC from the Site.

### **Site Condition Summary**

Low levels of TPH and VOCs in soil and groundwater have been detected throughout the Site. In general, the TPH and VOCs in soil are found primarily in the upper 12 feet in the artificial fill material. Generally low levels of lead in soil (with two exceptions) and low levels of arsenic in soil have also been detected in the artificial fill material. These contaminants are thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. In the case of the chlorinated hydrocarbon groundwater contamination near the former vehicle fueling station (southeastern portion of the northern Site lot), the low levels and limited extent of impact makes this issue less significant. In addition, the possible lead in groundwater and PCB in soil contamination issues have been ruled out as issues of concern.

Based on the historic presence of significant quantities of Liquid Phase Hydrocarbon (LPH) in soil and groundwater at the adjacent Buzzard Point Generating Station, the ongoing groundwater remediation project, and the groundwater flow direction, this property could be considered to be a long term concern to the Site. This concern increases based on the selection of the foundation for the proposed development. If the proposed subsurface structures are constructed to require continuous dewatering then the risk of hydrocarbon contaminated groundwater from offsite entering the dewatering system is elevated. If the foundation is constructed so that dewatering is not necessary, this risk is minimized.

---

## 1.0 INTRODUCTION

### 1.1 Project Introduction and Purpose

This Phase II Site Assessment Report has been developed for The John Akridge Companies, Inc. for the Buzzard Point property (the "Site") by Advantage Environmental Consultants, LLC (AEC). Based on information provided by The John Akridge Companies, Inc., the development plan includes construction of mixed use buildings with basement parking garage(s). As part of this development, it is planned to excavate the majority, if not all, of the subsurface materials to depths between 30-50 feet below ground surface (bgs). This work was done in support of the calculation of contaminated soil volume estimates and to identify other environmental issues related to the construction of subsurface structures during the proposed development of the Site.

### 1.2 Site Location and Description

The Site is situated in a medium-density, mixed commercial, industrial, and government-use area of southwest Washington DC that is referred to as Buzzard Point. The area consists of several properties owned by the Potomac Electric Power Company (PEPCO), including the Site, the decommissioned Buzzard Point Generating Station and active combustion turbine yard (CT Yard), and a former bulk fuel storage facility. Additional adjacent properties include a scrap metal yard, a US military fort, a US military (Coast Guard) headquarters building, and two marinas. Additional industrial and commercial business are located further north and east of the Site and the Anacostia River is present approximately 330 feet southeast and south of the Site. A Site Vicinity Map showing the approximate site location is included as Figure 1 in Appendix A.

The Site consists of four individual lots in three adjacent squares (Square 607, Lot 13; Square 609, Lot 804; and Square 611, Lots 19 and 810) which comprise approximately 384,051 square feet. The Site is bound by S Street, SW to the north, 1st Street, SW to the east, V Street, SW to the south, and 2nd Street, SW to the west. T Street, SW transects the Site, and divides it into a small northern lot and a larger southern lot.

Currently, the Site is used as two fenced parking lots; however, the Site has been owned by PEPCO since 1929, and was formerly used as a coal storage yard, a vehicle fueling area with

---

Underground Storage Tanks (USTs), a bulk #6 fuel oil above-ground storage tank (AST), and a laydown area (equipment storage) for the eastern adjacent decommissioned PEPCO generating station.

Improvements at the Site include a prefabricated metal building and storage trailers at the northern Site boundary, an unused bulk #6 fuel oil AST and an associated fire fighting foam house at the southern portion of the Site, and guard stands at the entrances to the parking lots. Other improvements include parking medians, light poles and landscaping. The parking lots are leased from PEPCO by the US government. This Phase II Site Assessment was performed for financing purposes, to document any known contaminants, and discover the existence of any unknown contaminants at the Site. A site plan is included as Figure 2 in Appendix A.

### **1.3 Site Topography and Hydrology**

AEC reviewed a copy of the United States Geological Survey (USGS) 7.5 Minute Series, Alexandria, Virginia Topographic Quadrangle map dated 1994. According to the map, the elevation of the Site is approximately 14 feet above mean sea level (msl). The area on and around the Site is relatively level, with the natural topographic gradient across the Site being south-southwest. The Site area was illustrated with the prefabricated building at the northern Site boundary, an apparent access road from T Street, SW onto the northern Site lot, and the bulk fuel storage AST at the southern portion of the southern Site lot. No surface bodies of water were illustrated on the Site.

### **1.4 Site History**

The review of the historical resources (as discussed in the Phase I Environmental Site Assessment (ESA) commissioned for the property) indicated that the southern Site lot was used for a coal storage yard with an associated railroad siding from the late 1920s until the PEPCO Generating Station began using fuel oil to power the plant in the mid 1970s. From this point until the Generating Station was decommissioned in 1981, the southern Site lot was used for bulk fuel storage. The northern Site lot appeared to have been used for vehicle fueling and storage from the late 1960s until the USTs were removed in 1988 and 1993.

### **1.5 Summary of Potential Sources of Contamination**

#### **1.5.1 Onsite Concerns**

The northern Site lot was previously used by PEPCO as a vehicle fueling station and storage



lot. One 20,000-gallon gasoline UST, one 6,000-gallon gasoline UST, and one 6,000-gallon diesel fuel UST were previously located at the southeastern portion of the northern Site lot, identified as 180 S Street, SW and as the Buzzard Point gas station. Both of the 6,000-gallon USTs were removed from the Site in November, 1988. Regulatory review revealed two separate UST listings that reference two 6,000-gallon gasoline USTs and two 6,000-gallon diesel fuel USTs at the Site; however, it appears that these listings are incorrect. Leaking Underground Storage Tank (LUST) Cases were not identified in association with the removal of the two 6,000-gallon USTs.

The Site was identified in LUST Case 93-094 in relation to the 20,000-gallon UST, which was removed in September 1993. According to the regulatory file at the DC Department of Health (DCDOH), confirmation soil samples that were collected during the removal of the UST were not significantly contaminated; however, groundwater samples were above regulatory limits for some constituents. As a Comprehensive Site Assessment (CSA) was already being prepared for the adjacent PEPCO Generating Station at this time, the DCDOH required PEPCO to prepare a CSA Addendum report to include the former 20,000-gallon UST site. A copy of the CSA Addendum report was not available for review; however, the LUST Case 93-094 file indicated that one monitoring well (MW-13) was installed in this area. Petroleum concentrations in soil during the installation of the monitoring well were below DCDOH action limits, while Benzene, Toluene, Ethyl benzene and Xylenes (BTEX) and Total Petroleum Hydrocarbon (TPH) constituents were above action limits in the initial groundwater sample. The BTEX concentration was 1.77 mg/l and the TPH concentration was 3.0 milligrams per liter (mg/l). Additional information was not provided in the LUST Case file; however, the LUST Case was granted regulatory closure on May 9, 1994.

A 1.9 million gallon capacity bulk fuel storage AST is located at the southern portion of the Site. The AST is surrounded by an approximate six foot high concrete containment dike. The exact installation date of this AST is unknown; however, historical research has revealed that it was installed when the adjacent PEPCO Generating Station was converted from being fueled by coal to using #6 fuel oil in the late 1960s. Mr. Shahid Anis of PEPCO stated in a previous report that he did not know whether releases from the bulk fuel storage AST had occurred. Reportedly, an underground pipeline connected the AST to the Generating Station. Mr. Anis did not provide any information regarding the pipeline or any related releases. Both the AST and the underground pipeline were taken out of service in 1981 when the Generating Station

---

was decommissioned. Reportedly, the AST has remained empty since that time and the pipeline was filled in place.

The review of the above-referenced historical sources indicated that the southern Site lot was used as a coal storage yard from the late 1920s until the PEPCO Generating Station began using fuel oil to power the plant in 1968. A railroad siding associated with this coal storage yard was aligned along the northern and eastern side of the southern Site lot. Contaminants of concern typically associated with a railroad siding are petroleum compounds (TPH DRO and GRO), Volatile Organic Compounds (VOCs), Polychlorinated Biphenyls (PCBs) and the metals arsenic and lead.

### **1.5.2 Offsite Concerns**

The Buzzard Point Generating Station, located approximately 35 feet east across 1st Street from the Site, was identified in four separate LUST cases, one of which remains open (LUST Case No. 93-051). A file review at the DC DOH revealed that in the early 1970s, a release was reported from a four-inch diameter underground pipeline that connected the CT Yard of the Generating Station to the two, 0.411-million gallon #2 fuel oil ASTs located north across S Street from the CT Yard. The release was repaired, and one 15" diameter monitoring well was subsequently installed in the vicinity of the pipeline leak. Significant petroleum (gasoline and diesel) contamination was discovered in soil and groundwater at the CT Yard portion of the Generating Station property in 1993.

Initial assessments of the contamination revealed TPH concentrations ranging from 881 milligrams per kilogram (mg/kg) to 30,700 mg/kg. A total of 23 monitoring wells (MWs) were installed at this property in the vicinity of the CT Yard and the north adjacent bulk fuel storage ASTs, as well as at the southeast corner of the northern Site lot (due to its former use as a vehicle fueling area identified as 180 S Street, SW), between May 1993 and January 1995. The majority of the MWs installed at the CT Yard and north adjacent bulk fuel storage area have historically contained Liquid Phase Hydrocarbon (LPH). Groundwater flow direction has been documented at this property to be west and southwest, towards the Site.

PEPCO installed a soil vapor extraction (SVE) system in the CT Yard and at the southern portion of the bulk fuel storage area in January 1996, and operated the system through November 1999. The SVE system reportedly removed approximately 6,925 gallons of

---

petroleum. From May 2001 to April 2002, a portable high vacuum pump and treat system was used to recover LPH from two of the most contaminated wells (MW-5 and MW-11). The pump and treat system removed an estimated 1,350 gallons of LPH from these wells.

The wells and groundwater vacuum monitoring points (GVPs) appear to have been monitored monthly from January 2003 through July 2004, with semi-annual sampling events. Groundwater sampling data for this property that was dated March 8, 2004 indicated that groundwater contaminants in the three most down gradient wells were below Maximum Contaminant Levels and/or DC Water Quality Standards for BTEX and TPH Gasoline-Range Organics (GRO) and Diesel Range Organics (DRO), while levels of these constituents remained over the applicable regulatory standards in remaining MWs and GVPs. Currently, only passive remediation with absorbent booms and monitoring is ongoing at the Generating Station property.

Based on the historic presence of significant quantities of LPH in soil and groundwater at the adjacent Buzzard Point Generating Station, the ongoing groundwater remediation project, and the groundwater flow direction, this property could be considered to be a long term concern to the Site. This concern increases based on the selection of the foundation for the proposed development. If the proposed subsurface structures are constructed to require continuous dewatering then the risk of hydrocarbon contaminated groundwater from offsite entering the dewatering system is elevated. If the foundation is constructed so that dewatering is not necessary, this risk is minimized.

## **1.6 Previous Investigations**

A number of items including tables and figures from the reports discussed below have been excerpted and placed in Appendix B to aid in the discussion.

Geomatrix conducted an assessment of the Buzzard Point Properties. The date of this assessment is unknown (a review of the document failed to provide a date at which the field work was performed or report was prepared). Due to the sampling methodology (composite) and the lack of an attached laboratory analytical report to the document received from PEPCO, this material was deemed only partially reliable.

---

URS Corporation (URS) conducted a Limited Phase II Environmental Investigation in January 2005 that included 12 soil borings completed to depths ranging from 10 feet to 32 feet bgs. This report did not include boring logs. In addition to the boring exploration, water from the two concrete pits located adjacent to the AST was also sampled and analyzed. The URS investigation did not include any sampling of surficial soils at the site; all sampling was at a depth of at least 10 feet below ground surface. This study did not include an investigation of Square 607.

Groundwater, pit water, and soils were sampled and analyzed for various chemical parameters including TPH GRO and DRO, VOCs, Semi-Volatile Organic Compounds (SVOCs), priority pollutant metals, and PCBs.

The result of the analyses indicated that some soils at the Site are impacted with petroleum hydrocarbons and groundwater is impacted with petroleum hydrocarbons and lead. The lead impact to groundwater was identified at both locations where analyses were performed. The lead concentrations in groundwater were elevated and were not likely to be the result of naturally occurring conditions. These lead concentrations ranged from 1,900 to 8,800 micrograms per liter (ug/l). URS concluded that there is evidence that soil and groundwater has been affected by releases of petroleum hydrocarbons, and the presence of combustion products and metals. The term "combustion product" is not defined but it may refer to the potential atmospheric fallout of emissions particulate from the adjacent generating station or perhaps the presence of coal in the fill material.

---

## 2.0 SUBSURFACE INVESTIGATION ACTIVITIES

### 2.1 Introduction

Thirty soil borings were advanced on the Site in a general grid pattern. Some select areas were focused on during this investigation. These areas are known potential contaminant sources, and included: the former fleet fueling station (UST system) in the northern area of the Site (at the corner of 1<sup>st</sup> Street, SW and T Street, SW); and, the retired 1.9-million gallon above-ground storage tank (AST) and associated underground petroleum transfer lines and oil-water separation or valve pits in the southern area of the Site. The borings were advanced using two Geoprobe rigs. The drilling activities occurred on May 21 and 22, 2005.

In general, soil samples were collected at the Site from three depth intervals: surface soil (0.5 to 2 foot bgs (below the pavement and sub-base)); shallow soil (2 to 3 feet bgs); and, deep soil (from zones exhibiting elevated photoionization detector (PID) readings or directly above the water table). Grab soil samples were collected from all of the borings from varying intervals, including shallow and deeper zones. Groundwater samples were also collected from multiple locations at the Site using temporary PVC wells. The TPH and VOC soil samples were generally collected from zones exhibiting elevated PID responses or other signs of contamination. The PCBs, priority pollutant metals, and lead soil samples were generally collected from the shallow soil intervals. The TCLP metals soil samples were generally collected from the interior of the Site near the existing lead in soil exceedances. The lead and VOCs in water samples were collected from locations distributed across the Site.

The soil samples were analyzed for the following: TPH GRO and DRO via EPA Method 8015M, VOCs via EPA Method 8260, priority pollutant metals via EPA Methods 200.7 and 245.4, Lead via EPA Standard Methods (SM) 3113B, PCBs via EPA Method 8082, Toxicity Characteristic Leachate Procedure (TCLP) metals via EPA Methods 1311/200.7 and 1311/245.1, and ignitability via EPA Method 40 Code of Federal Regulations (CFR) 261.21. The groundwater samples were analyzed for the following: TPH DRO via EPA Method 8015M, VOCs via EPA Method 8260, and dissolved lead via EPA SM3113B. The dissolved lead samples were field filtered prior to containerization using new, pre-cleaned 0.45 micron disposal filters.

---

## **2.2 Geoprobe Boring Advancement**

Sample cores were collected continuously using 1.5-inch, inside-diameter, stainless steel macro-core samplers with new acetate liners. Cores were collected in four feet intervals by using a truck-mounted hydraulic press to drive the sampler through the stratum. All sampling equipment was decontaminated in the field using non-phosphate liquinox and distilled water prior to use. AEC contracted Bassett Environmental Associates, Inc. of Harrisburg, Pennsylvania and Hugo Drilling, Inc. of Knoxville, Maryland to perform the drilling activities.

Soil sample collection for laboratory analysis is discussed in Section 2.3. Groundwater sample collection for laboratory analysis is discussed in Section 2.4. Following completion of soil and groundwater sample collection, the temporary PVC wells were removed (if used at the location), the bore holes filled with the geoprobe cuttings, then topped with bentonite and capped with an asphalt patch (or top soil as appropriate). Boring locations are illustrated on Figure 2 in Appendix A, and copies of the boring logs for this investigation are included in Appendix C.

## **2.3 Soil Sampling Methodology**

Upon retrieval, each soil sample was screened in the field using a handheld PID to screen for VOCs. For the most part no significant PID readings were detected in any of the borings. Following the screening, grab soil samples were collected from all of the borings from varying depth intervals. Some borings had multiple intervals sampled. All samples were placed in appropriate pre-cleaned, laboratory-supplied, four-ounce glassware. Once collected, the samples were placed on ice in a cooler to await shipment to the laboratory.

## **2.4 Groundwater Sampling Methodology**

Groundwater samples from the temporary PVC wells were collected using a pre-cleaned disposable weighted bailer or a peristaltic pump with new PVC tubing for each location. Specifically, the sample from each well was placed in 40 milliliter glass jars with teflon-lined septa and preserved with hydrochloric acid, amber glass liter bottles preserved with hydrochloric acid, and 500 milliliter polyethylene bottles preserved with nitric acid. The samples designated to be analyzed for dissolved lead were field filtered using new pre-cleaned disposable pressure filters sized for metals analysis (0.45 microns). Once collected, the samples were placed on ice in a cooler to await shipment to the laboratory.

## **2.5 Sample Handling and Analysis**

Samples were packaged for shipping using strict chain-of-custody procedures. The coolers were packed with individually wrapped sample containers and ice and sealed with laboratory provided custody seals and shipping tape. Samples were shipped to Anabell Environmental, Inc. in Gaithersburg, Maryland. The soil samples were analyzed for the following: TPH GRO and DRO via EPA Method 8015M, VOCs via EPA Method 8260, priority pollutant metals via EPA Methods 200.7 and 245.4, Lead via EPA SM3113B, PCBs via EPA Method 8082, TCLP Metals via EPA Methods 1311/200.7 and 1311/245.1, and ignitability via EPA Method 40 CFR 261.21. The groundwater samples were analyzed for the following: TPH DRO via EPA Method 8015M, VOCs via EPA Method 8260, and dissolved lead via EPA SM3113B.

### 3.0 INVESTIGATION ACTIVITY RESULTS

#### 3.1 Soil Sample Analytical Results

Figure 3 in Appendix A and Table 1 in Appendix D summarize the results of the shallow soil samples analyzed for TPH GRO and DRO. Figure 4 in Appendix A and Table 1 in Appendix D summarize the results of the deep soil samples analyzed for TPH GRO and DRO. Figure 5 in Appendix A and Table 2 in Appendix D summarize the results of the soil samples analyzed for VOCs. Figure 6 in Appendix A and Tables 3 (lead only) and 4 (Priority Pollutant Metals) in Appendix D summarize the results of the soil samples analyzed for lead. Figure 7 in Appendix A summarize the results of the soil samples analyzed for PCBs. Figure 8 in Appendix A and Table 5 in Appendix D summarize the results of the soil samples analyzed for TCLP metals. Only lead concentrations (as opposed to all of the priority pollutant metals) are included in Figure 6 in Appendix A. Only those compounds with concentrations above the laboratory detection limits are included in the tables in Appendix D. Copies of the completed laboratory analytical reports and chain-of-custody forms for the samples are provided in Appendix E.

All TPH GRO concentrations in both the shallow and deep soil samples were below the laboratory detection limit. The TPH DRO concentrations in shallow soil samples B-1 (2'), B-3 (4'), B-5 (8'), B-6 (5'), B-8 (5'), B-9 (4'), B-16 (3.5-4'), B-20 (4'), B-22 (6'), B-23 (1'), B-24 (7-8'), B-26 (7-8'), and B-27 (6') were below the laboratory detection limit. The remainder of the TPH DRO concentrations in shallow soil samples ranged from 11 mg/kg in sample B-7 (6') to 50 mg/kg in sample B-21 (7'). The TPH DRO concentrations in deep soil samples B-11 (19'), B-12 (10'), B-19 (11-12'), B-25 (11'), and B-28 (9-10') were below the laboratory detection limit. The remainder of the TPH DRO concentrations in deep soil samples ranged from 20 mg/kg in sample B-14 (9') to 77 mg/kg in sample B-10 (11-12').

The results of the VOC analysis of the soil samples indicated all compounds below detection limits with the exception of various compounds detected in the sample from B-11 (2-3'). These compounds included Ethylbenzene (12 micrograms per kilograms (ug/kg)), total xylenes (100 ug/kg), Isopropylbenzene (37 ug/kg), 1,1,2,2-tetrachloroethane (14 ug/kg), N-propylbenzene (190 ug/kg), 1,3,5-Trimethylbenzene (230 ug/kg), Tert-butylbenzene (120 ug/kg), 1,2,4-Trimethylbenzene (120 ug/kg), Sec-butylbenzene (110 ug/kg), 4-Isopropyltoluene (81 ug/kg), and naphthalene (880 ug/kg). Acetone was detected in a limited number of soil samples.



Acetone is a common laboratory cross contaminant and is not thought to be a compound of concern at the site. Acetone concentrations are not shown on either the tables or figures.

The lead concentrations in soil samples B-13 (2-3'), and B-16 (2.5') were below the laboratory detection limit. The remainder of the lead concentrations in soil samples ranged from 1.8 mg/kg in sample B-21 (7') to 1,000 mg/kg in sample B-24 (7-8'). The other priority pollutant metal of potential concern related to past site use is arsenic. The arsenic concentrations range from below the laboratory detection limit in samples B-21 (7') and B-9 (4') to 8.2 mg/kg in sample B-24 (7-8').

The PCB concentrations in all eleven of the soil samples collected from the site were below the laboratory detection limit.

All of the metals concentrations in the soil samples were below the TCLP metals regulatory limits (pass as opposed to fail). The sample analyzed for ignitability (B-14 (5')) was also below the regulatory criteria (i.e., did not flash below designated temperature). This sample was representative of the coal dust material.

### **3.2 Groundwater Sample Analytical Results**

Figure 9 in Appendix A summarizes the results of the groundwater samples analyzed for TPH DRO. Figure 10 in Appendix A and Table 6 in Appendix D summarize the results of the groundwater samples analyzed for VOCs. Figure 11 in Appendix A summarizes the results of the groundwater samples analyzed for dissolved lead. Only those compounds with concentrations above the laboratory detection limits are included in the tables in Appendix D. Copies of the completed laboratory analytical reports and chain-of-custody forms for the samples are provided in Appendix E.

The results of the analysis did not identify the presence of any TPH DRO above the laboratory detection limits in the groundwater samples collected from the site.

The results of the VOC analysis of the groundwater samples indicated all compounds below detection limits with the exception of various compounds detected in the sample from B-9. These compounds included vinyl chloride (160 ug/l), trans-1,2-dichloroethene (10 ug/l), cis-1,2-dichloroethene (1,300 ug/l), benzene (11 ug/l), trichloroethene (4,100 ug/l), and

tetrachloroethene (5.6 ug/l). Acetone was detected in a limited number of groundwater samples (B-9, B-17 and B-20). Acetone is a common laboratory cross contaminant and is not a compound of concern at the site. Acetone levels are not shown on either the tables or figures.

The results of the analysis did not identify the presence of any dissolved lead above the laboratory detection limits in the groundwater samples collected from the Site.

### **3.3 Local Geology and Hydrogeology**

The Site is within the Atlantic Coastal Plain Physiographic Province. The Coastal Plain consists of a series of Cretaceous, Tertiary and recent-aged fluvial and marine deposits overlying crystalline basement rocks. The depth to the basement rocks is estimated to be about 150 feet in the vicinity of the site. The soils in the general vicinity of the Site are primarily interbedded clays, silts, sands and gravels belonging to the Pamlico Formation.

The soils beneath the Site consist of fill materials and interbedded clay, silt, sand and gravel deposits that are consistent with the Pamlico Formation. The fill materials range in depth from two feet to over 12 feet and consist of a mixture of sand, clay, silt, coal dust and fragments and construction debris. The average thickness of the fill is between seven and eight feet and increases to as much as 12 feet in the southern end of the Site. One feature of the fill is the existence of coal dust (silt to sand size particles) in a number of areas of the Site. This coal dust is found in borings B-7 (1.5-3.5 feet bgs), B-8 (1.5-2 feet bgs), B-11 (2.5-3.5 feet bgs), B-13 (1.5-3.5 feet bgs), B-14 (3.5-5.5 feet bgs), B-16 (1.5-3 feet bgs), B-19 (1.5-3 feet bgs), B-20 (1-2 feet bgs), and B-26 (6-7 feet bgs). In general, this material is fairly shallow and exists mainly in the western portion of the site. The underlying deposits consist of interbedded clays, sandy silts, and silty fine sands with occasional gravel.

The water table aquifer lies within the fill and underlying Pamlico deposits. The depth to groundwater within the water table aquifer ranges from about 6 to 12 feet across the site. A 24 hour water level was taken from one of the temporary well points from the central portion of the site and indicated a depth to water of approximately 9.7 feet bgs. According to information reviewed as part of this analysis, groundwater flow in the water table aquifer is from northeast to southwest.

---

## 4.0 SUMMARY AND EVALUATION OF RESULTS

### 4.1 TPH in Soil Results Evaluation

The results of the TPH GRO and DRO in soils analyses identified TPH DRO concentrations in six of the 24 soil samples collected by AEC from the Site. None of the soil samples indicated TPH GRO concentrations. All six soil samples which were above the laboratory detection limit were collected from within the fill material. None of the deeper samples collected from the native material indicated TPH DRO concentrations above detection limits. The TPH DRO concentrations above the laboratory detection limit in the soil samples ranged from 11 mg/kg in sample B-7 (6') to 77 mg/kg in sample B-10 (11-12'). These samples were also screened with a PID during drilling operations, but none of the samples responded significantly above background levels. Results of the soil sampling indicate that the TPH DRO contamination is widely distributed across the Site, and is therefore thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. None of the TPH GRO or DRO sample analysis results exceed the DCDOH LUST standards.

### 4.2 VOCs in Soil Results Evaluation

The results of the VOC in soils analyses identified VOC concentrations in one of the nine soil samples collected by AEC from the Site. This sample, B-11 (2-3'), was collected from within the fill material at a relatively shallow depth. It should be noted that all of the soil samples which were non-detect for VOCs were also collected from within or directly below the fill material. The majority of the VOCs detected in B-11 are associated with petroleum hydrocarbons. URS advanced one of their 12 borings in the immediate vicinity of B-11. The soil sample collected from this boring (URS B-2 19 feet bgs) was non-detect for TPH GRO and DRO; however, a groundwater sample from this boring indicated a TPH GRO concentration of 110 ug/l. These samples were also screened with a PID during drilling operations, but none of the samples responded significantly above background levels. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site and is therefore thought to be associated with a limited size petroleum surface spill. None of the VOC sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards.

### 4.3 Metals in Soil Results Evaluation

The results of the lead in soils analyses identified lead concentrations in 26 of the 28 soil samples collected by AEC from the Site. All of the 26 soil samples with lead concentrations

above the laboratory detection limit were collected from within or directly above the fill material. The lead concentrations in soil samples B-13 (2-3'), and B-16 (2.5') were below the laboratory detection limit. The remainder of the lead concentrations in soil samples ranged from 1.8 mg/kg in sample B-21 (7') to 1,000 mg/kg in sample B-24 (7-8'). The lead contamination is widely distributed across the Site. None of the lead sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards, with the exception of B-10 (11-12') and B-24 (7-8').

The other priority pollutant metal of potential concern related to past Site use is arsenic. The results of the arsenic in soils analyses identified arsenic concentrations in eight of the ten soil samples collected by AEC from the Site. All of the eight soil samples with arsenic concentrations above the laboratory detection limit were collected from within the fill material. The arsenic concentrations range from below the laboratory detection limit in samples B-21 (7') and B-9 (4') to 8.2 mg/kg in sample B-24 (7-8'). All of the arsenic sample analysis results exceed the DCDOH Residential Soil - Generic Soil Quality Standards. The range of arsenic concentrations in the eastern United States presented in Elements in North American Soils (Dragun and Chiasson, 1991) is <1.0 mg/kg to 73 mg/kg with a mean of 7.4 mg/kg. Therefore, arsenic in Site soils appears to be naturally occurring. Furthermore, AEC understands that the proposed arsenic cleanup level at the Spring Valley World War I era chemical weapons testing range cleanup site in DC is 20 mg/kg. This means that any concentration lower than 20 mg/kg can be left in place in this residential neighborhood. This cleanup level was recommended by the Spring Valley Scientific Advisory Panel as proposed by the EPA. The Spring Valley cleanup level is significantly higher than any concentration detected at the Site.

#### **4.4 PCBs in Soil Results Evaluation**

The PCB concentrations in all eleven of the soil samples collected by AEC from the Site were below the laboratory detection limit. The PCB concentrations in all nine of the soil and all four of the groundwater samples collected by URS from the site were also below the laboratory detection limit.

#### **4.5 Soil Disposal Characteristics Results Evaluation**

Soil samples were collected from multiple locations and varying depths across the Site. The purpose of these samples was to characterize the soil material that will be disturbed and may require special disposal in connection with the proposed construction of the subsurface

structures at the Site. The soil samples were analyzed for common waste characterization analytes including: TCLP metals; ignitability; TPH GRO and DRO; VOCs; and PCBs. In conclusion, the results of all of the analysis discussed above did not identify any compounds or characteristics which would preclude the disposal of any of the designated soil at a commercial petroleum contaminated soil-disposal facility.

As a general note, during construction excavation operations, hydrocarbon odor in soil is as important a driver as the laboratory derived hydrocarbon concentration for determining if the soil is clean or hydrocarbon contaminated. The assumption is that "contamination" is defined as soils with TPH or other VOC concentrations greater than the laboratory detection limit, or for PID-screened soils, the background concentration (usually less than 5 parts per million (ppm)). Because all of the soil (both contaminated and uncontaminated) is to be removed during construction activities, and any level of contamination makes soil unsuitable for clean fill or construction debris, the commonly used 100 mg/kg TPH DCDOH LUST standard is not appropriate for this project. The 100 mg/kg TPH DCDOH LUST standard is typically used as a guideline for determining which contaminated soil can be left in place.

#### **4.6 TPH DRO in Groundwater Results Evaluation**

The TPH DRO concentrations in all five of the groundwater samples collected by AEC from the Site were below the laboratory detection limit. The TPH DRO concentrations in six of the seven groundwater samples collected by URS from the Site were also below the laboratory detection limit. The groundwater sample from URS boring B-11 indicated a TPH DRO concentration of 550 ug/l. This boring is located at the southern end of the Site, down gradient of the AST.

#### **4.7 VOCs in Groundwater Results Evaluation**

The results of the VOC in groundwater analyses identified VOC concentrations in one of the ten groundwater samples collected by AEC from the Site. This groundwater sample, B-9, was collected from the vicinity of the former vehicle fueling station in the southeastern portion of the northern Site lot. The majority of the VOCs detected in B-9 are associated with chlorinated hydrocarbons. Results for sampling of the VOCs indicate that the VOC contamination is not widely distributed across the Site. None of the VOC sample analysis results exceed the DCDOH Residential Groundwater - Risk Based Screening Levels, with the exception of vinyl chloride and trichloroethene. It should be noted that groundwater is not used as a potable water source in the Site vicinity.

#### **4.8 Lead in Groundwater Results Evaluation**

The results of the analysis did not identify the presence of dissolved lead above the laboratory detection limits in the groundwater samples collected by AEC from the Site. Based on the results of AEC's field effort, it is suspected that URS had their priority pollutant metals (of which lead is a component) in water samples analyzed for total metals as opposed to dissolved metals. There is no mention in the URS report concerning field filtration of these samples so this assumption is probably correct. Based on the condition of the water during AEC's field effort, (i.e., very high turbidity in the geoprobe collected water samples), the metals in water results are probably not indicative of subsurface conditions and may have resulted in a "false positive" outcome for at least the significantly elevated lead in groundwater issue. This assumption is supported by AEC's dissolved lead in groundwater data which was non-detect in all of the 12 samples which were analyzed.

#### **4.9 Conclusions**

Low levels of TPH and VOCs in soil and groundwater have been detected throughout the Site. In general, the TPH and VOCs in soil are found primarily in the upper 12 feet in the artificial fill material. Generally low levels of lead in soil (with two exceptions) and low levels of arsenic in soil have also been detected in the artificial fill material. These contaminants are thought to be associated with either limited size petroleum surface spills, or coal dust and fragments mixed into the fill material. In the case of the chlorinated hydrocarbon groundwater contamination near the former vehicle fueling station (southeastern portion of the northern Site lot), the low levels and limited extent of impact makes this issue less significant. In addition, the possible lead in groundwater and PCB in soil contamination issues have been ruled out as issues of concern.

Based on the historic presence of significant quantities of LPH in soil and groundwater at the adjacent Buzzard Point Generating Station, the ongoing groundwater remediation project, and the groundwater flow direction, this property could be considered to be a long term concern to the Site. This concern increases based on the selection of the foundation for the proposed development. If the proposed subsurface structures are constructed to require continuous dewatering then the risk of hydrocarbon contaminated groundwater from offsite entering the dewatering system is elevated. If the foundation is constructed so that dewatering is not necessary, this risk is minimized.



## APPENDIX A

## FIGURES



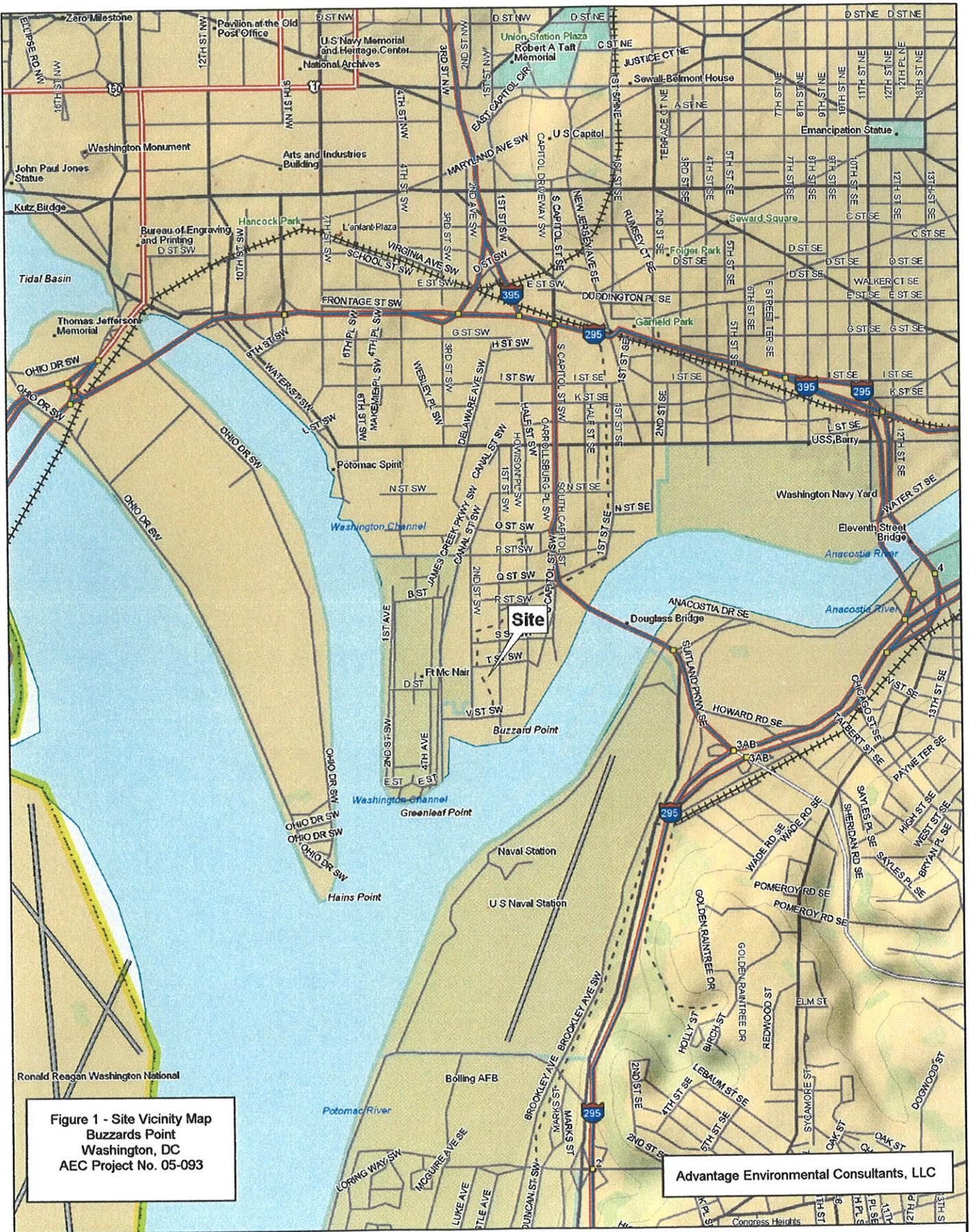
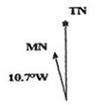
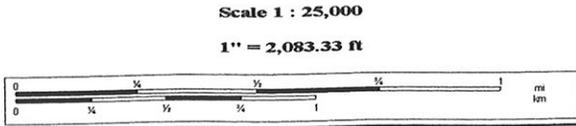


Figure 1 - Site Vicinity Map  
 Buzzards Point  
 Washington, DC  
 AEC Project No. 05-093

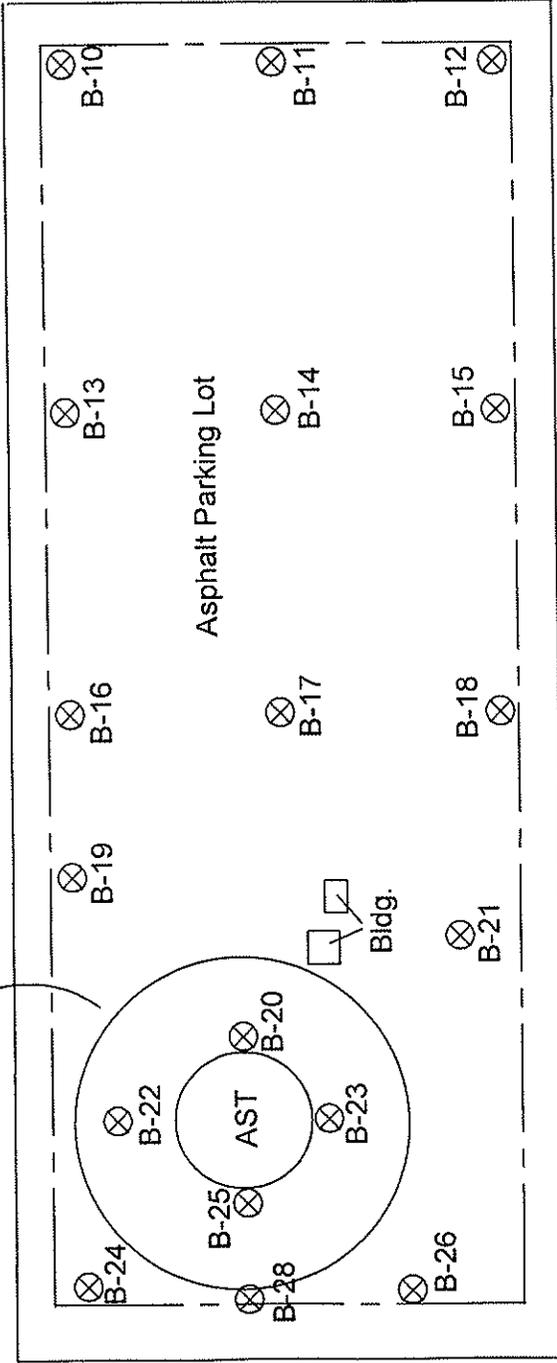
Advantage Environmental Consultants, LLC

**DELORME**  
 © 2001 DeLorme. Topo USA® 3.0  
 Zoom Level: 13-0 Datum: WGS84



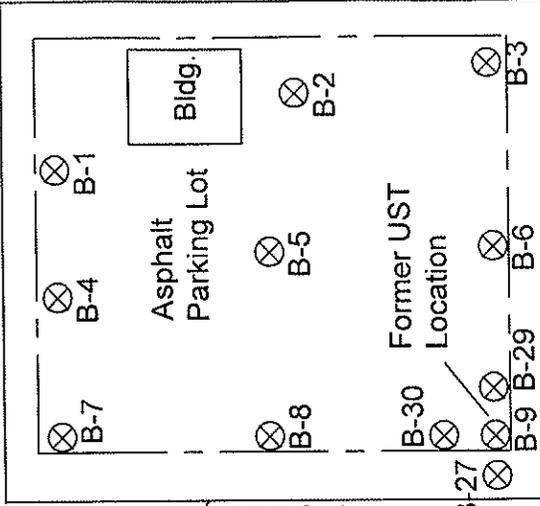
AST  
Containment  
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

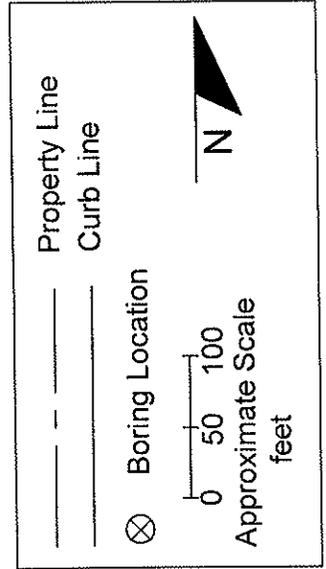
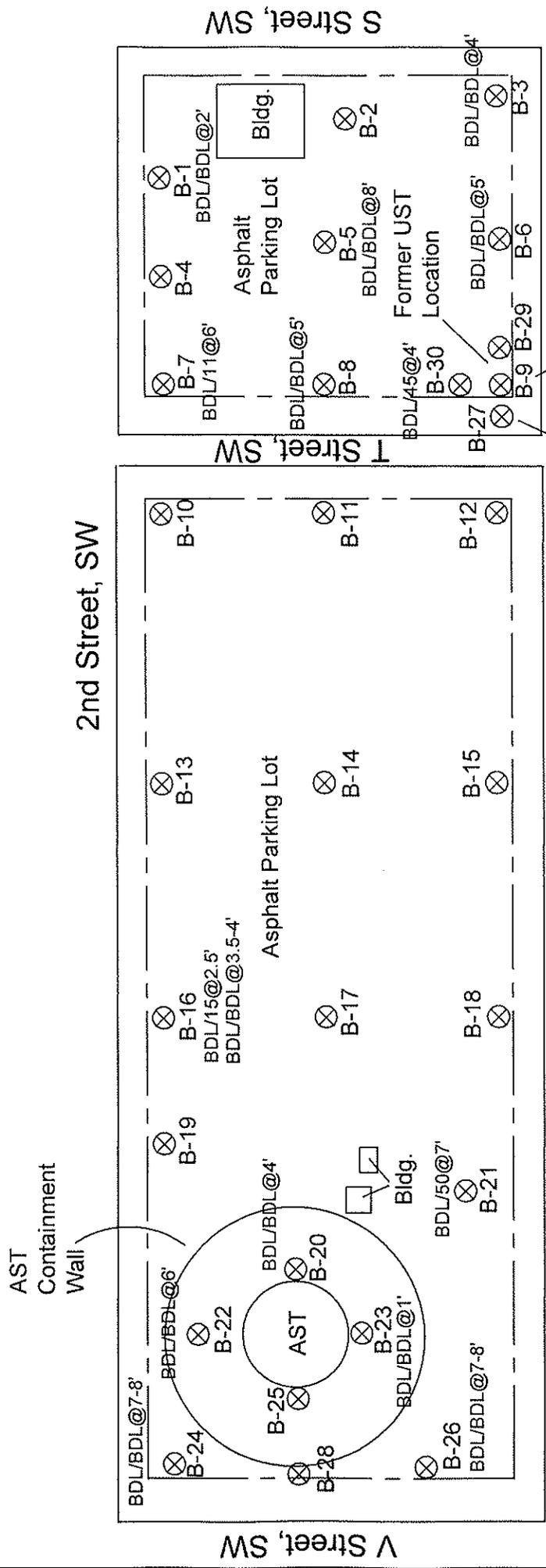


Figure 2 - Site Map  
Buzzards Point  
Washington, DC  
AEC Project No.: 05-093



**Figure 3 - Soil Quality Map**  
 TPH GRO/DRO - Shallow (0-8')  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

--- Property Line  
 --- Curb Line  
 ⊗ Boring Location

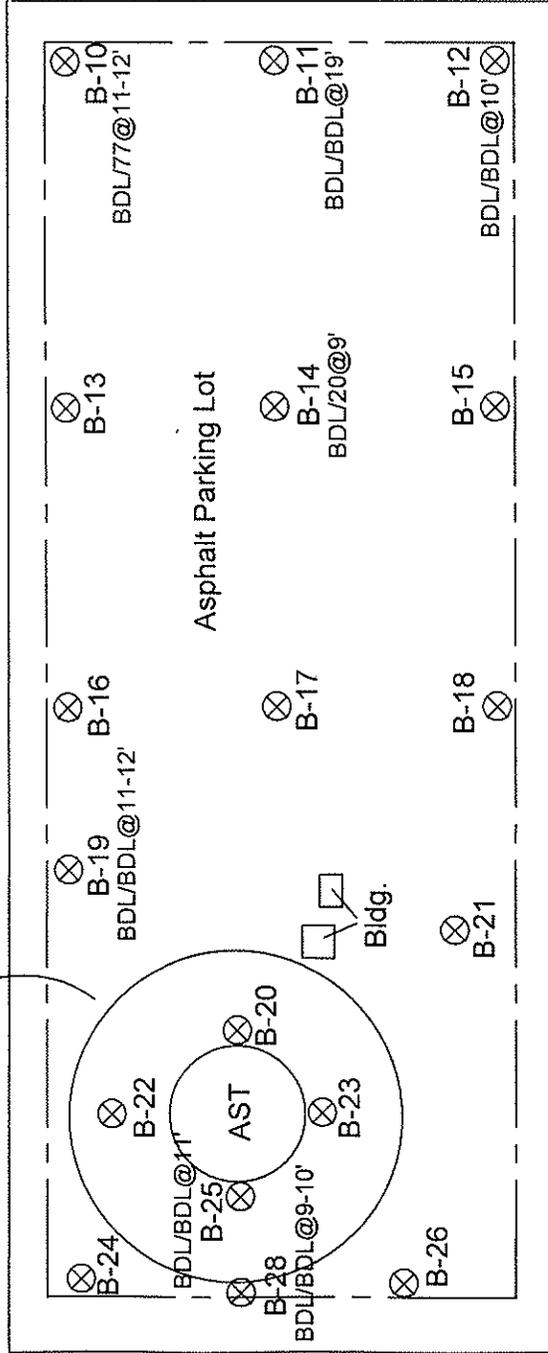
BDL/50@7' = TPH GRO/TPH DRO at Depth in Feet  
 BDL = Below Detection Limits  
 TPH = Total Petroleum Hydrocarbons  
 GRO = Gasoline Range Organics  
 DRO = Diesel Range Organics  
 Results in mg/kg (ppm)  
 Data collected May 2005

0 50 100  
 Approximate Scale  
 feet

N

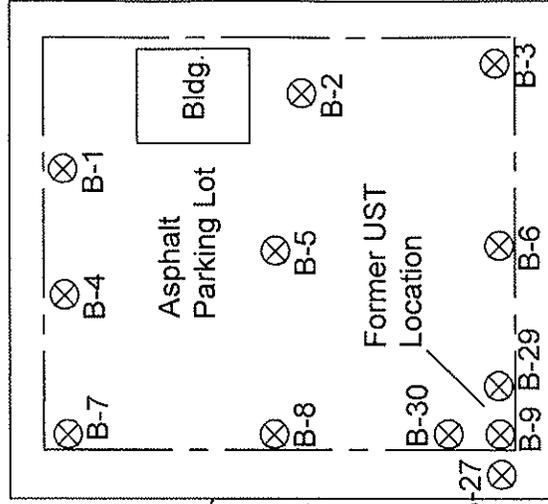
AST  
Containment  
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

--- Property Line  
 - - - Curb Line  
 ⊗ Boring Location

BDL/50@9' = TPH GRO/TPH DRO at Depth in Feet  
 BDL = Below Detection Limits  
 TPH = Total Petroleum Hydrocarbons  
 GRO = Gasoline Range Organics  
 DRO = Diesel Range Organics  
 Results in mg/kg (ppm)  
 Data collected May 2005

0 50 100  
 Approximate Scale  
 feet

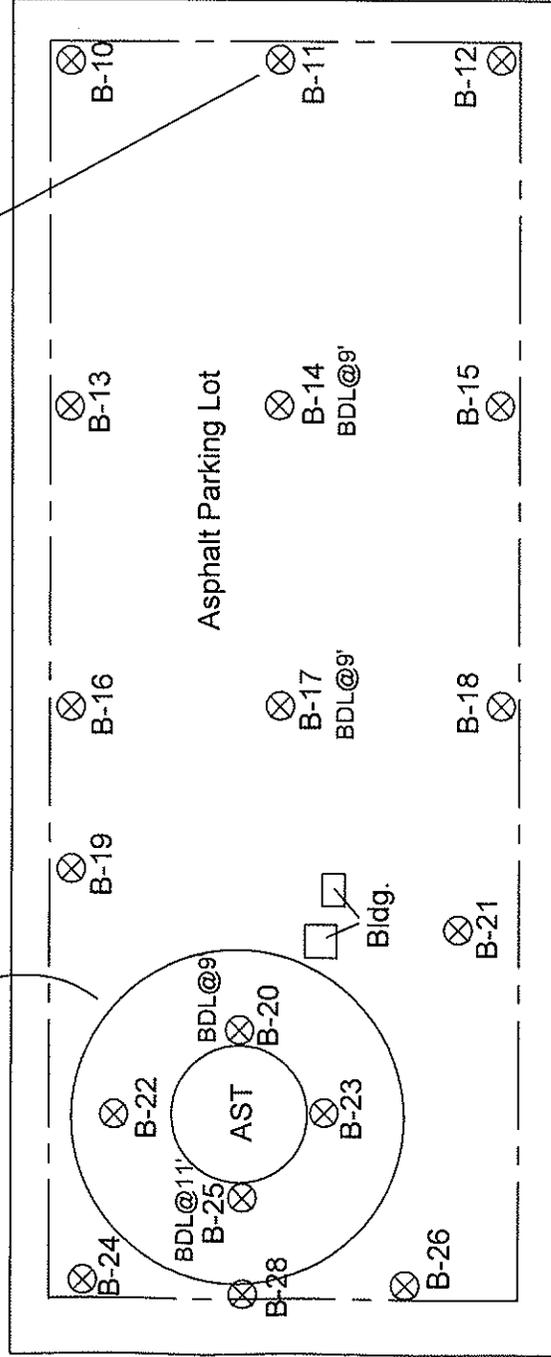
N

Figure 4 - Soil Quality Map  
 TPH GRO/DRO - Deep (>8')  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

Ethylbenzene 12  
 total xylenes 100  
 Isopropylbenzene 37  
 1,1,2,2-tetrachloroethane 14  
 N-propylbenzene 190  
 1,3,5-trimethylbenzene 230  
 tert-butylbenzene 120  
 1,2,4-trimethylbenzene 720  
 Sec-butylbenzene 110  
 4-isopropyltoluene 81  
 Naphthalene 880  
 @2-3'

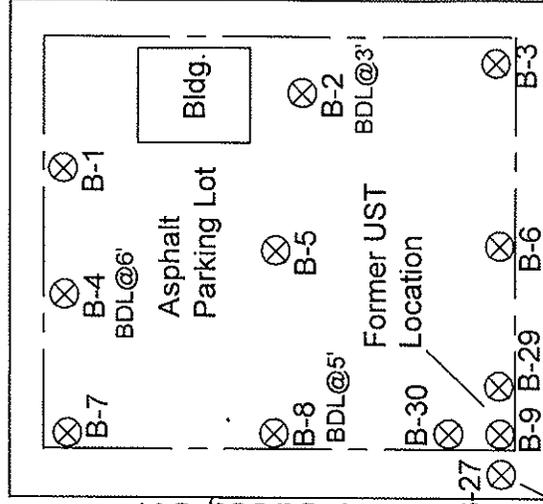
AST  
 Containment  
 Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

--- Property Line  
 --- Curb Line  
 ⊗ Boring Location  
 VOC@9' = VOCs at Depth in Feet  
 BDL = Below Detection Limits  
 VOC = Volatile Organic Compound  
 Results in ug/kg (ppb)  
 Data collected May 2005

0 50 100  
 Approximate Scale  
 feet

N

Figure 5 - Soil Quality Map  
 VOCs  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

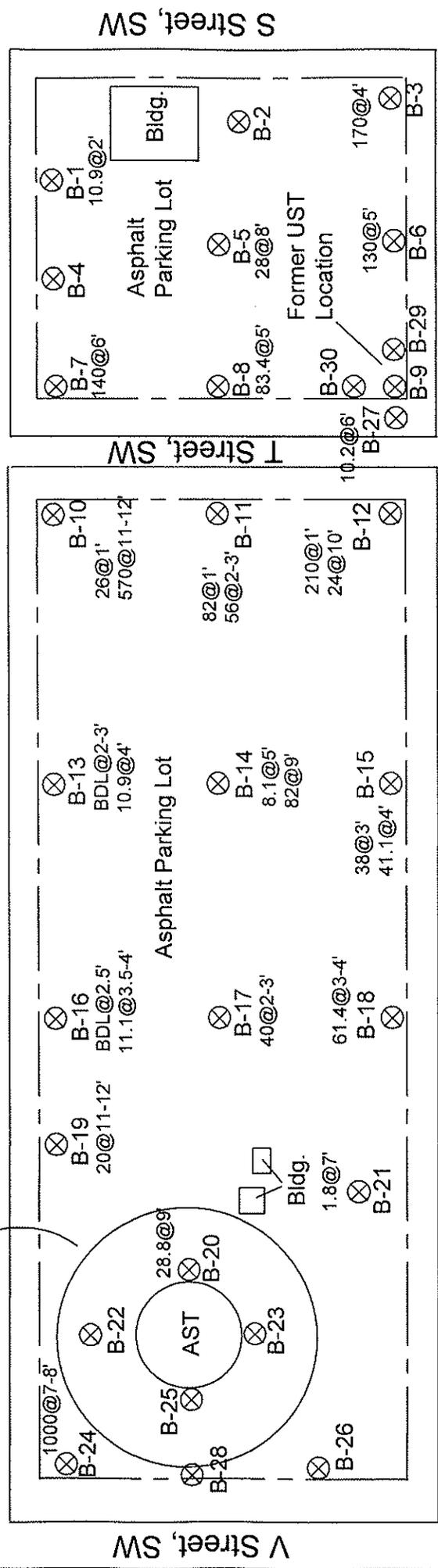


Figure 6 - Soil Quality Map  
 Lead  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

Legend:  
 - - - Property Line  
 - - - Curb Line  
 ⊗ Boring Location

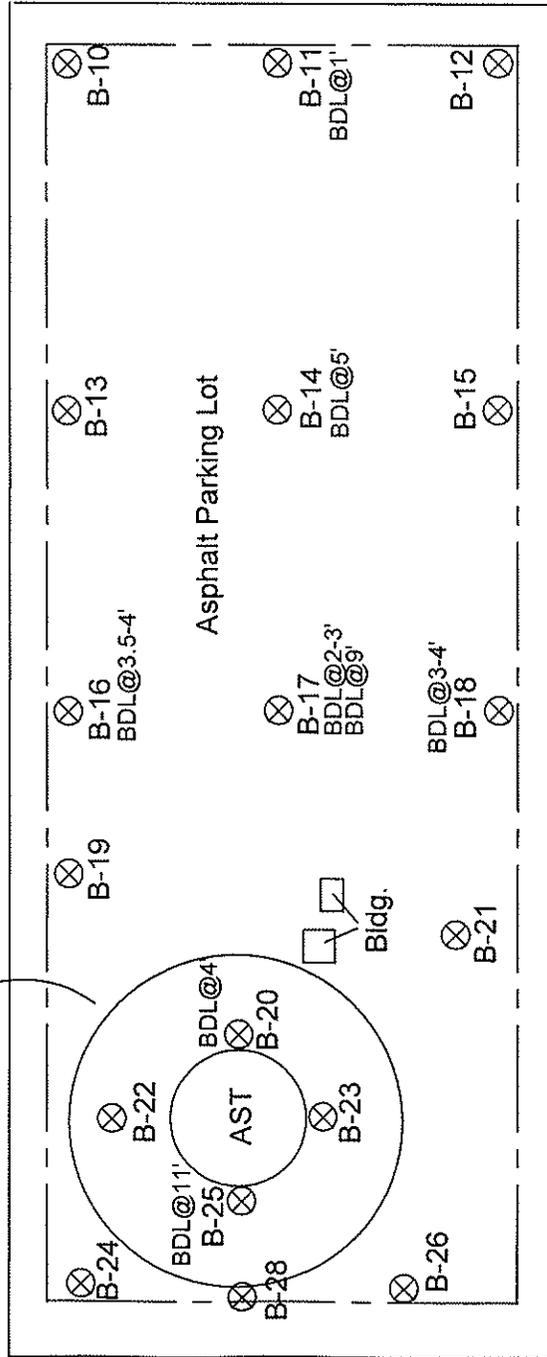
50@9' = Lead at Depth in Feet  
 BDL = Below Detection Limits  
 Results in mg/kg (ppm)  
 Data collected May 2005

0 50 100  
 Approximate Scale  
 feet

N

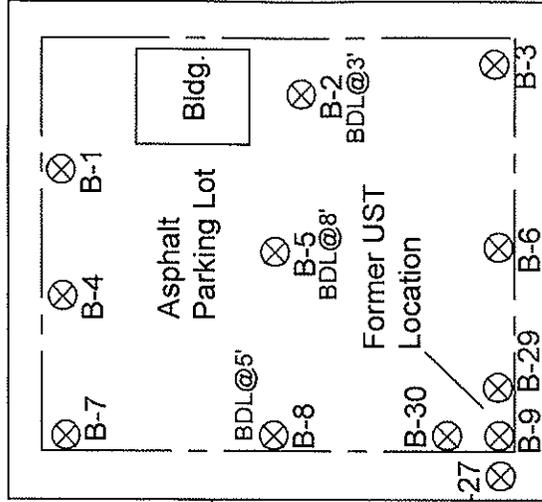
AST  
Containment  
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

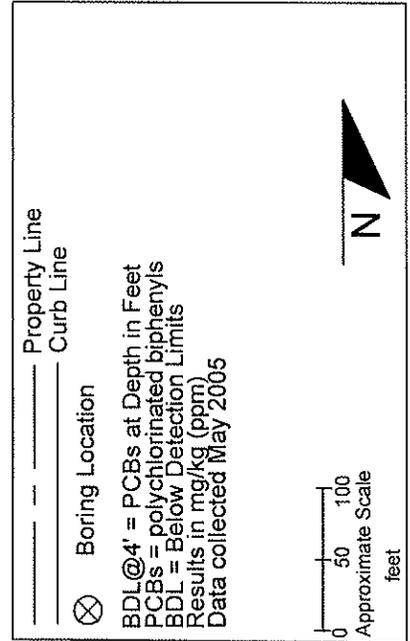
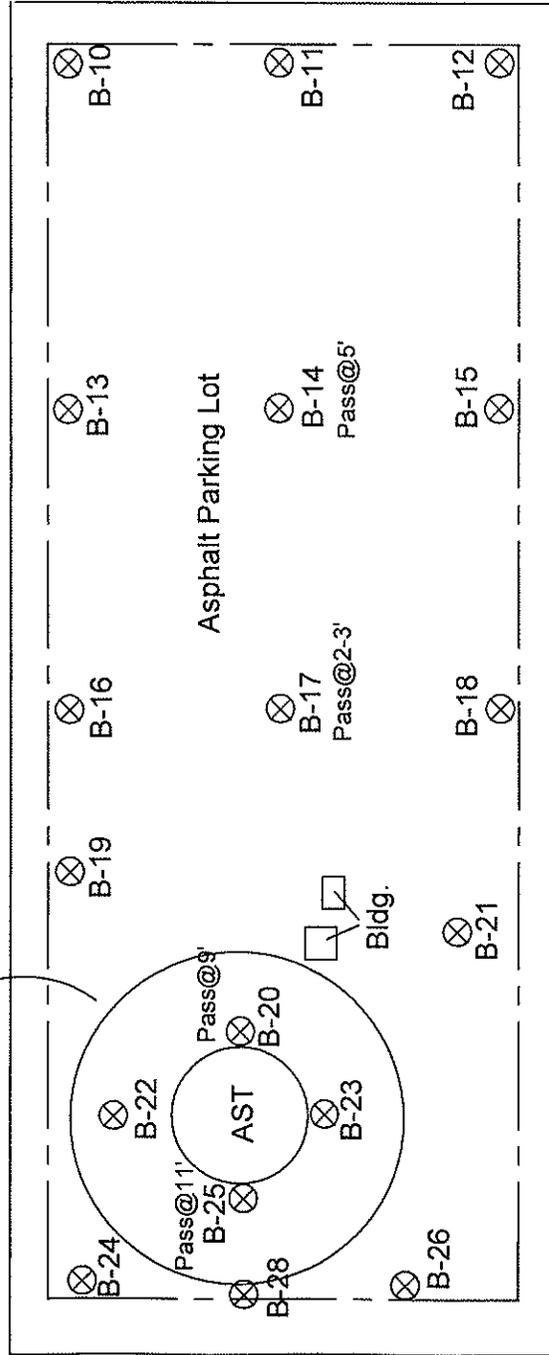


Figure 7 - Soil Quality Map  
 PCBs  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

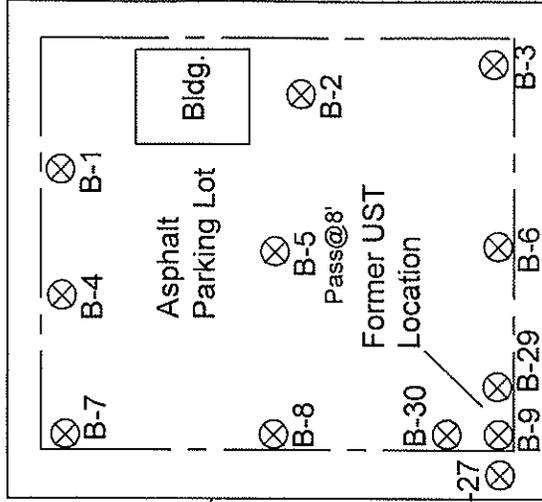
AST  
Containment  
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

- - - Property Line  
 - - - Curb Line  
 ⊗ Boring Location

Pass@4' = Test Outcome at Depth in Feet  
 TCLP = Toxicity Characteristic Leachate Procedure  
 Results in mg/l (ppm)  
 Data collected May 2005

0 50 100  
 Approximate Scale  
 feet

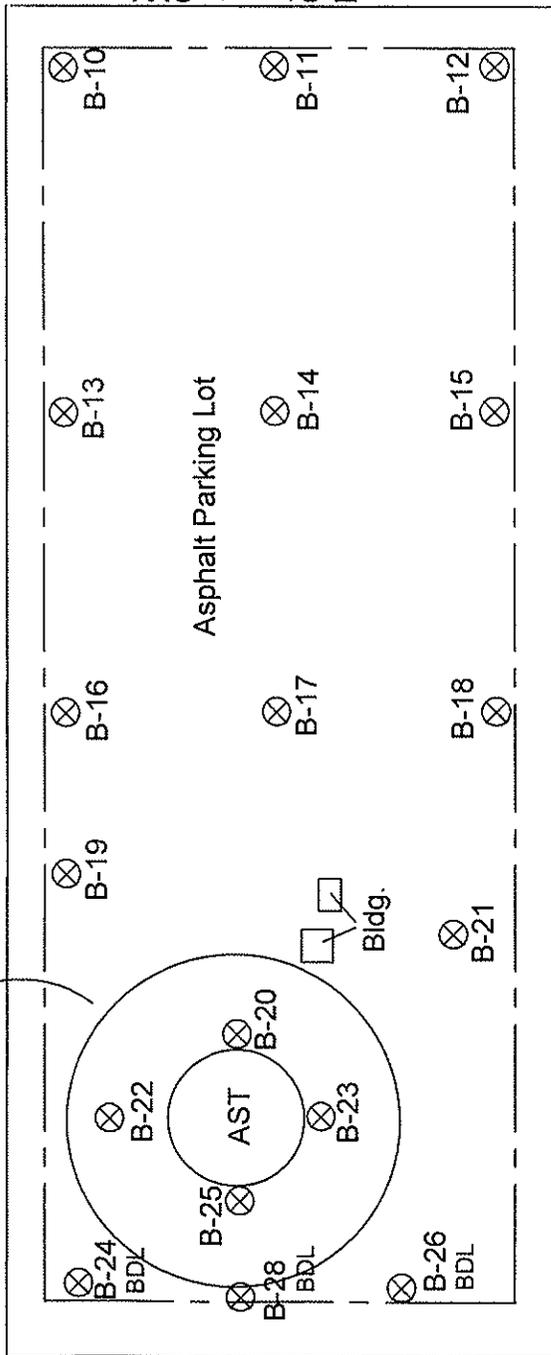
N

Figure 8 - Soil Quality Map  
 TCLP Metals  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093



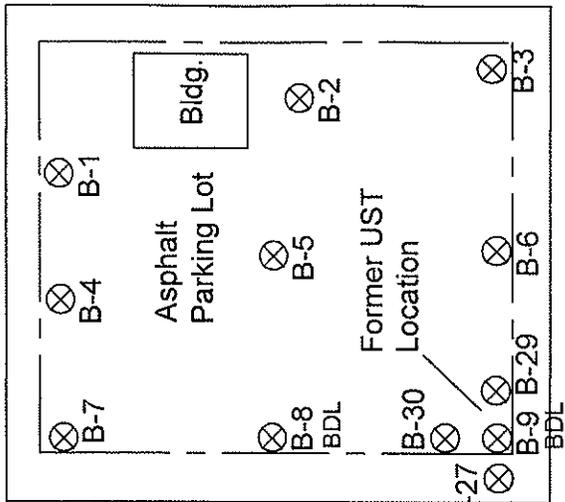
AST  
Containment  
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

--- Property Line  
 --- Curb Line  
 ⊗ Boring Location

TPH DRO  
 TPH = Total Petroleum Hydrocarbons  
 DRO = Diesel Range Organics  
 Results in mg/l (ppm)  
 Data collected May 2005

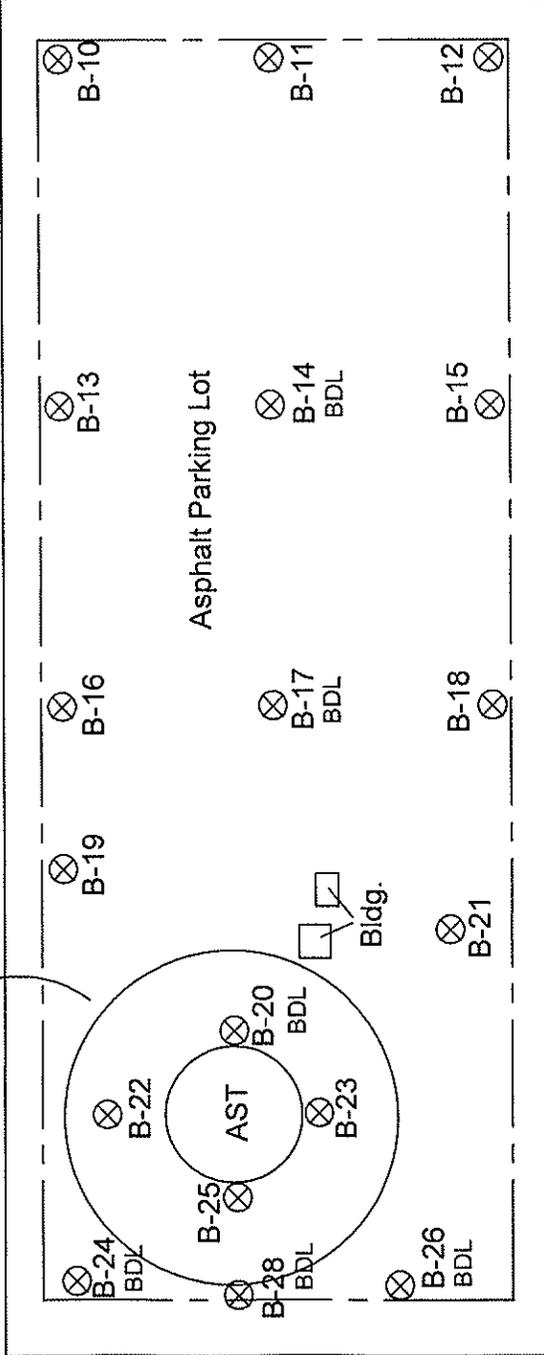
0 50 100  
 Approximate Scale  
 feet

N

Figure 9 - Groundwater Quality Map  
 TPH DRO  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

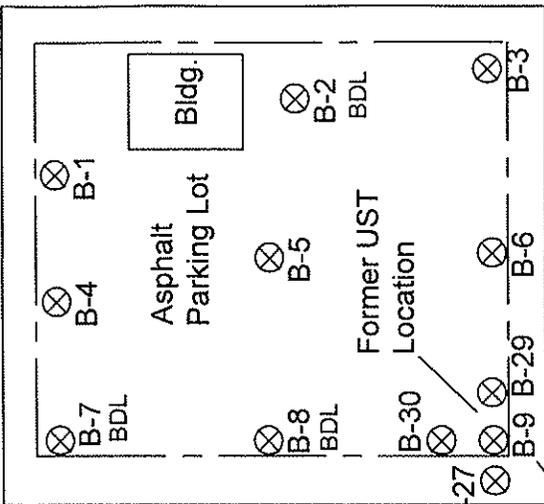
AST  
Containment  
Wall

2nd Street, SW



V Street, SW

T Street, SW



S Street, SW

1st Street, SW

Property Line  
 Curb Line  
 Boring Location

**VOCs**  
 VOC = Volatile Organic Compound  
 BDL = Below Detection Limits  
 Results in ug/l (ppb)  
 Data collected May 2005

N

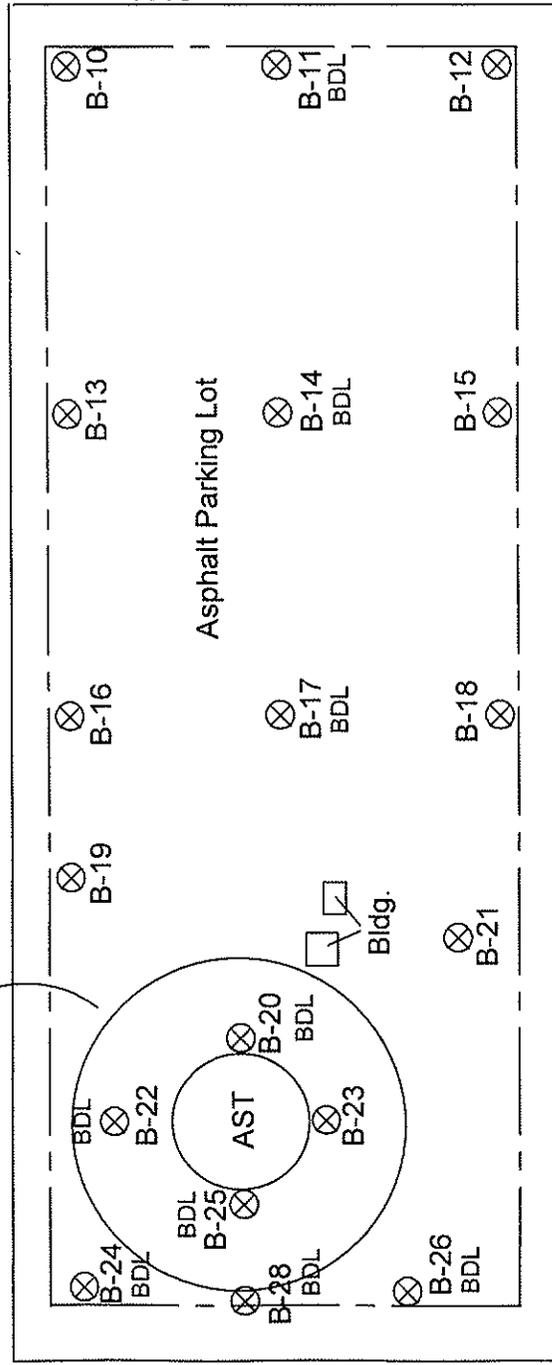
0 50 100  
Approximate Scale  
feet

Vinyl Chloride 160  
 Trans-1,2-Dichloroethene 10  
 Cis-1,2-Dichloroethene 1300  
 Benzene 11  
 Trichloroethene 4100  
 Tetrachloroethene 5.6

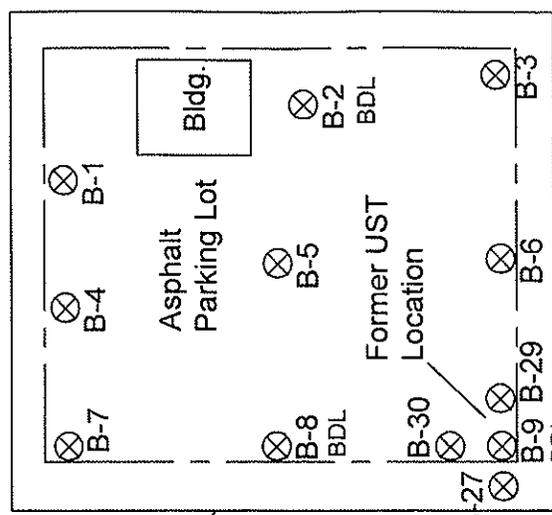
**Figure 10 - Groundwater Quality Map**  
 VOCs  
 Buzzards Point  
 Washington, DC  
 AEC Project No.: 05-093

AST  
Containment  
Wall

2nd Street, SW



T Street, SW



S Street, SW

1st Street, SW

- - - Property Line  
 - - - Curb Line  
 ⊗ Boring Location  
 Dissolved lead  
 BDL = Below Detection Limits  
 Samples were field filtered  
 Results in ug/l (ppb)  
 Data collected May 2005

0 50 100  
 Approximate Scale  
 feet

N

Figure 11 - Groundwater Quality Map  
Dissolved Lead  
Buzzards Point  
Washington, DC  
AEC Project No.: 05-093

**ASSESSMENT OF THE BUZZARD POINT PROPERTIES**

**SUBMITTED TO:**

**POTOMAC ELECTRIC POWER COMPANY  
2000 PENNSYLVANIA AVENUE, N.W.  
WASHINGTON, D.C. 20068**

**SUBMITTED BY:**

**GEOMATRIX, INC.  
6801 KENILWORTH AVENUE, SUITE 100  
RIVERDALE, MARYLAND 20737  
(301) 779-5302**

TABLE OF CONTENTS

	PAGE
EXECUTIVE SUMMARY.....	i
1.0 INTRODUCTION.....	1
1.2 Purpose and Scope of Work.....	3
2.0 PRELIMINARY ASSESSMENT.....	4
2.1 Description of Site #1.....	4
2.2 Use of Site #1.....	6
2.3 Description of Site #2.....	7
2.4 Use of Site #2.....	7
2.5 Description of Site #4.....	9
2.6 Use of Site #4.....	9
2.7 Site #3 and 5.....	9
2.8 Summary of Site Activities.....	11
3.0 FIELD INVESTIGATION PROGRAM.....	13
3.1 Site #1.....	15
3.2 Site #2.....	15
3.3 Site #4.....	16
4.0 ANALYTICAL RESULTS.....	17
4.1 Site #1.....	17
4.2 Site #2.....	17
4.3 Site #4.....	20
5.0 CONCLUSION.....	21

LIST OF FIGURES

Figure 1: General Location of Sites.....	2
Figure 2: Site 1 Layout and Sample Locations.	5
Figure 3: Site 2 Layout and Sample Locations.	8
Figure 4: Site 4 Layout and Sample Locations.	10

LIST OF TABLES

Table 1: Location of Sites.....	1
Table 2: Summary of Activity, Use & Potential Contaminants.....	12
Table 3: Buzzard Point Sampling/Analysis Program.....	14
Table 4: Summary of Analytical Results in PPM.....	18

APPENDIX A: QUESTIONNAIRE/RESPONSES  
APPENDIX B: LABORATORY ANALYTICAL RESULTS

GEOMATRIX, INC.

**EXECUTIVE SUMMARY**

Geomatrix, Inc. performed an assessment of five pieces of property owned by PEPCO and located in the Buzzard Point area of Southwest Washington, D.C. to determine if these sites were "environmentally clean". The assessment of the environmental status of the sites was determined based on the presence and concentration of the most likely potential contaminants that should be found at the sites.

As a part of the assessment, a questionnaire was prepared and submitted to company operating groups utilizing the sites. In addition, meetings were held with PEPCO personnel from Real Estate, Stores, and Environmental Affairs to discuss the history and uses of the sites. The information gathered, along with visits to the sites, were used to determine potential contaminants which might be found at the sites. The potential contaminants that were identified included Total Petroleum Hydrocarbons (TPH), PCBs, and Metals.

Soil samples were collected from 3 of the sites and analyzed for the potential contaminants. The other 2 sites, namely Sites 3 and 5, were not sampled because of on-going activities at these sites.

GEOMATRIX, INC.

The analytical results showed Site 4 to be free of contamination. Site 1 was found to contain TPH at a concentration of 1440 ppm in one localized area previously occupied by a petroleum underground storage tank. Site 2 showed TPH concentrations ranging from 48 to 360 ppm. The origin and extent of TPH presence at these sites is not known with certainty. However, it is believed to have resulted from the use and activities at the sites.

GEOMATRIX, INC.

1.0 INTRODUCTION

Geomatrix, Inc. was contracted by PEPCO to conduct an assessment of five properties located in the Buzzard Point area of S.W. Washington, D.C. to determine if the sites were environmentally clean. Table 1 gives the property locations and the area occupied and Figure 1 shows the general location and layout of the properties.

TABLE 1

SITE #	PEPCO #	LOCATION	AREA OCCUPIED (SQ. FT)
1	603	Q & 2 <sup>nd</sup> Sts. SW	89,032
2	607	2 <sup>nd</sup> St., between S & T Sts., SW	89,250
3	609 & 611	Between 1 <sup>st</sup> & 2 <sup>nd</sup> and T & V Streets, SW	69,375
4	661	R & 1 <sup>st</sup> Sts., SW	299,800
5	665	1 <sup>st</sup> & V Sts., SW	100,800



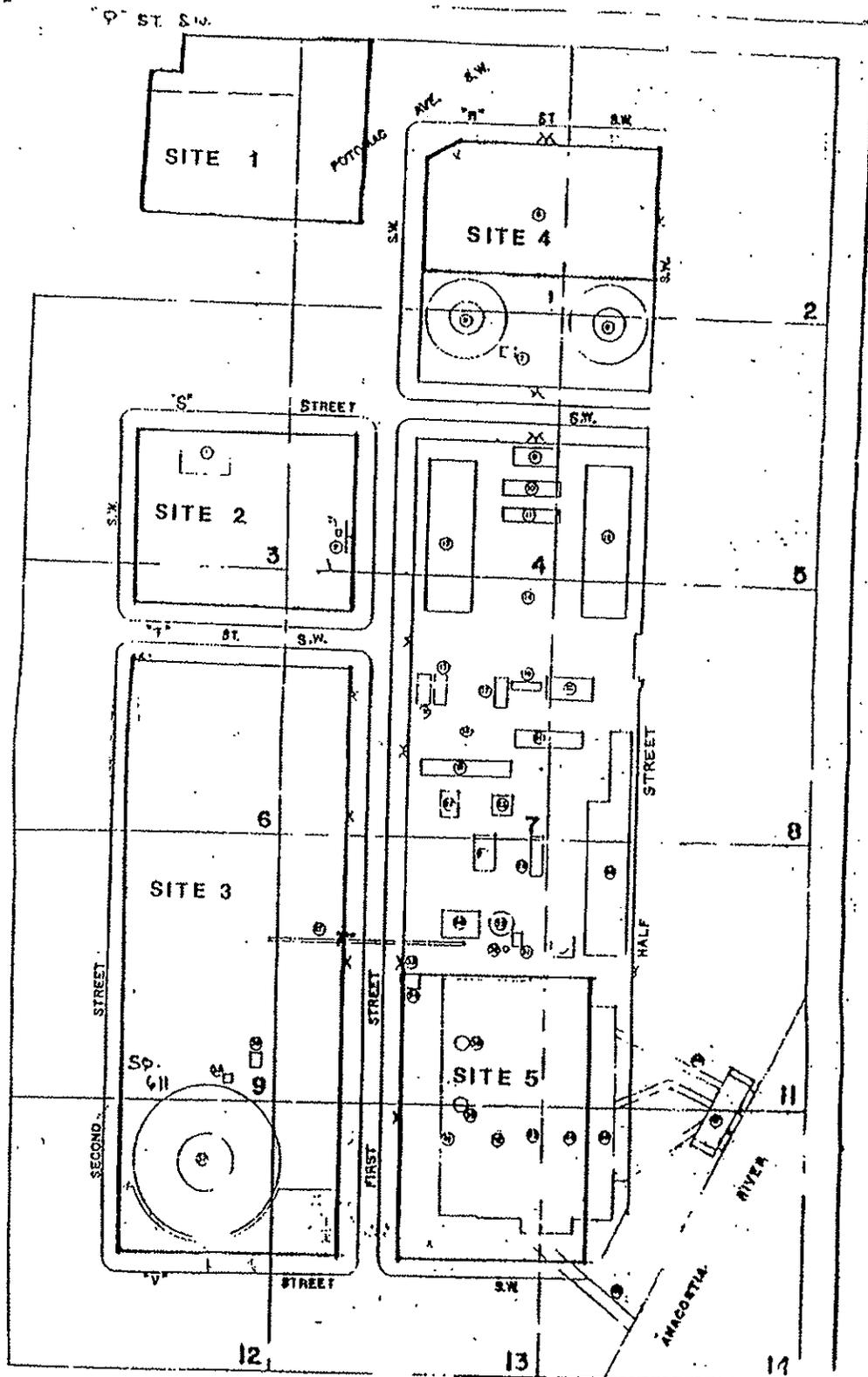


Figure 1: General Location of Sites

GEOMATRIX, INC.

The sites were acquired by PEPCO over the past 20 years. Information regarding uses by previous owners of the properties is limited. It is, however, believed that the properties were not used for any activity, such as disposal or storage of waste material. The properties were used by PEPCO as storage yards for supplies and equipment, parking area, fuel filling stations, maintenance shops, offices, coal storage and electric power generation and transmission.

1.2 Purpose and Scope of Work

The purpose of the study was to conduct an assessment of each site to determine whether or not the soils at the sites were contaminated as a result of prior use.

The scope of work included (1) development of a questionnaire on prior site uses for completion by the company as part of the assessment, (2) meetings and phone conversations with PEPCO personnel who were "old timers" familiar with the sites and their operation, and (3) development and implementation of a soil sampling and analysis program at the sites.

## 2.0 PRELIMINARY ASSESSMENT

A comprehensive questionnaire was developed and distributed to various operating groups by PEPCO Real Estate and Environmental Affairs departments. Examples of the questionnaires and the responses received are given in Appendix A. In addition to the information provided on the questionnaire, several meetings and telephone conversations with various representatives of the company were held. Following which a detailed reconnaissance of each site was made to confirm and/or modify the information gathered. Based on the above, a field investigation program was developed for all sites.

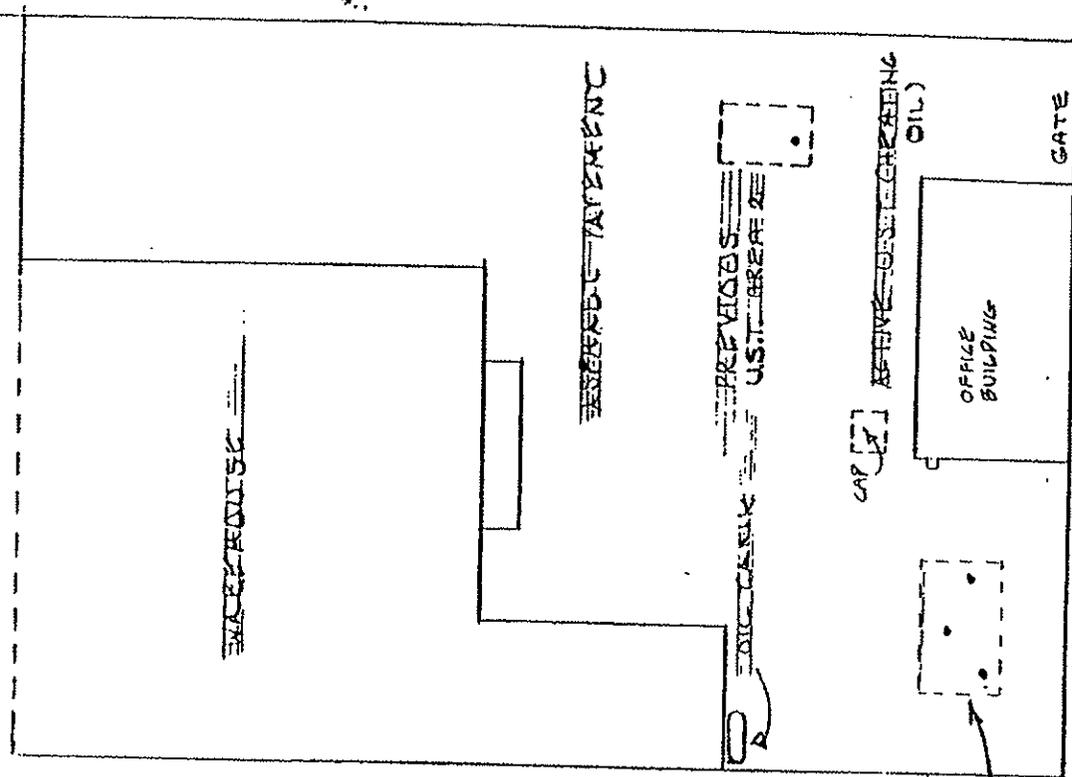
### 2.1 DESCRIPTION OF SITE #1

Site 1 (PEPCO #SQ603) is located at Q and First Streets, SW. It occupies an area of approximately 89,032.33 square feet. A portion of the site is rented and occupied by a tunnel boring contractor and a building on the corner of Q and Second Streets.

The layout of the portion of Site 1 occupied and presently used by PEPCO is shown schematically on Figure 2. The site area is occupied by two buildings, namely a three story office and a large multi-bay warehouse. A covered parking area is located adjacent to the office building. This area previously contained an underground storage tank (UST).



SPRINKLER SW



RESTROOMS



SCALE



RESTROOMS

Figure 2: Site 1 Layout and Sample Locations

[ ] Tank Area and Sample Locations

PREVIOUS TANK AREA

RESTROOMS

GEOMATRIX, INC.

Another UST was also located in front of the main office building and entrance to the site. In addition, an active underground fuel oil storage tank is located approximately 5 feet in front of the office building. The vent/overflow pipe for this tank is located at one corner of the office building and oil stains and "speedy dry" were observed in the vicinity of this pipe. The remainder of the area is paved with asphalt black top and concrete. In some areas from which USTs have been removed, the asphalt and concrete show signs of settlement and fracturing.

## 2.2 USE OF SITE #1

The site is currently used as an office area and parking for meter readers. The site, in general, was used for storage of precast concrete material, plastic piping, conduits, cables and wires. The warehouse was used as a paint shop and storage area, and an empty oil tank is presently stored in front of one of the warehouse bay doors. The warehouse area was also rented for a very brief period to a trucking company.

The 2 USTs which were located at the site were used to supply fuel to PEPCO vehicles. The other UST is presently used to store heating oil for the building.

### 2.3 DESCRIPTION OF SITE #2

Site #2 (PEPCO Site #SQ 607) is located between First and Second and S and T Streets, SW. It occupies an area of approximately 89,250 square feet. The layout of the site is shown schematically on Figure 3. The site is completely fenced with restricted access via a key card operated gate from First Street. A small guard house is located inside the gate on the right and on the left a storage shed is located, an active gasoline pump island, and an active UST. In addition, behind the UST and along the R Street fence, there is a small, shallow concrete pit area.

A concrete pad, enclosed on 3 sides by concrete walls approximately 3 feet high, is located in the east central portion of the site. Several large diameter steel pipes were located adjacent to the pad. North of the concrete pad is a metal building and southeast of the building, conduits were located on the ground and on a flat bed trailer. Further east of the conduits and trailer and north of the guard house is an area covered with "blue stone" gravel. The remainder of the site is an unpaved area bounded by asphalt paved driveways.

### 2.4 USE OF SITE #2

The storage shed, gasoline island and UST area are currently used to store and supply motor oil and fuel to PEPCO vehicles. The small, shallow concrete pit area behind the UST is presently

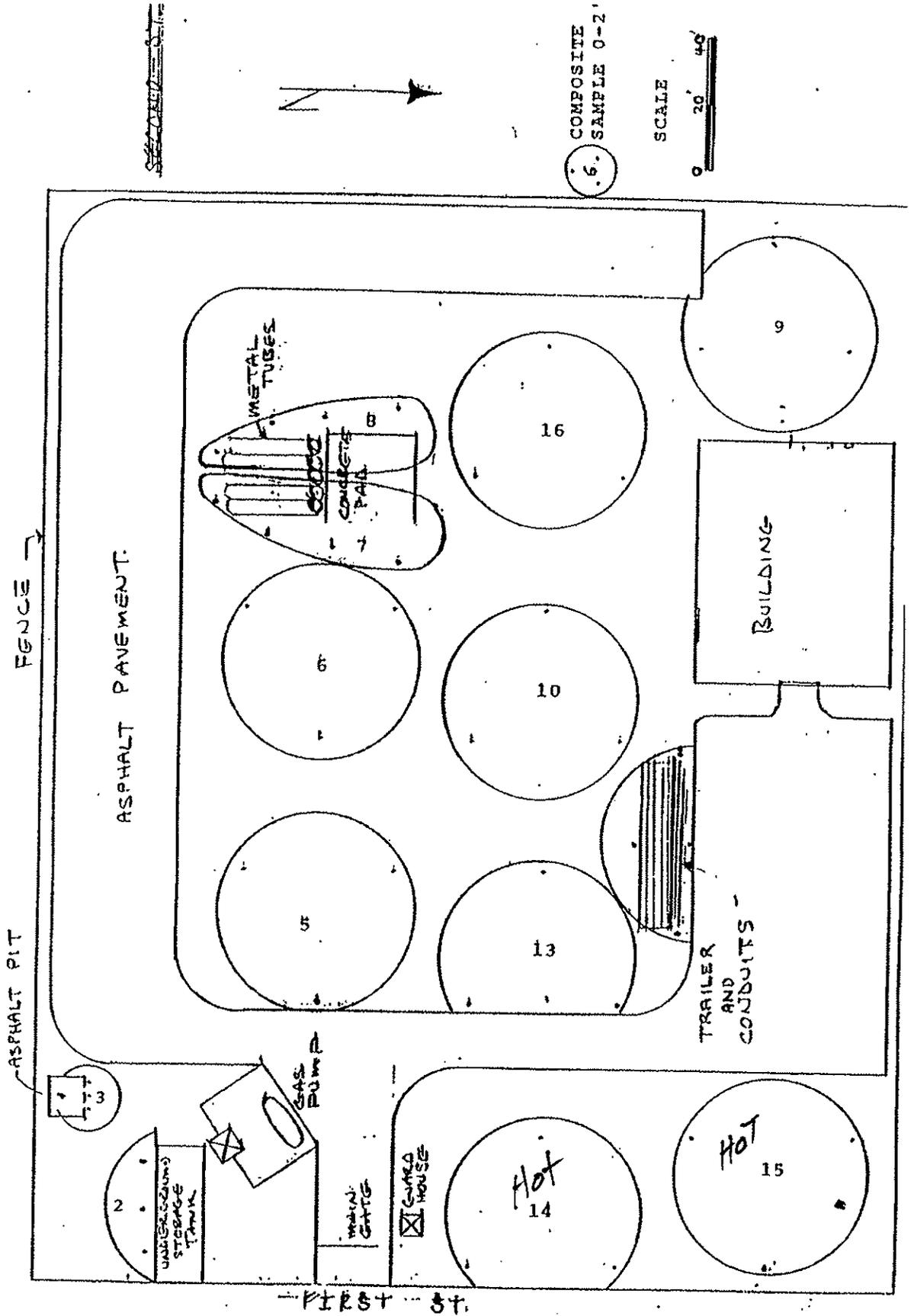


Figure 3: Site 2 Layout and Sample Locations

GEOMATRIX, INC.

used to store an asphalt gravel mix. The concrete pad was occupied by soils and other debris. Adjacent to this pad several large diameter steel pipes were stored. The other areas of Site #2 were used for miscellaneous storage and parking of vehicles.

#### 2.5 DESCRIPTION OF SITE #4

Site #4 (PEPCO Site #SQ 661) is located between First and R Streets, SW. It occupies an area of approximately 69,375 square feet. The site is, at present, a vacant lot that is completely fenced (see Figure 4).

#### 2.6 USE OF SITE #4

Based on information from PEPCO, the site was used for the storage of excavated soil from an adjacent area now occupied by two storage tanks. The stock pile of excavated soils was recently spread over the site and graded.

#### 2.7 SITES #3 AND 5

As a result of responses to the questionnaires, meetings and discussions with PEPCO personnel and a site reconnaissance of Site #3, it was decided to defer complete assessment of these two sites for the following reasons:



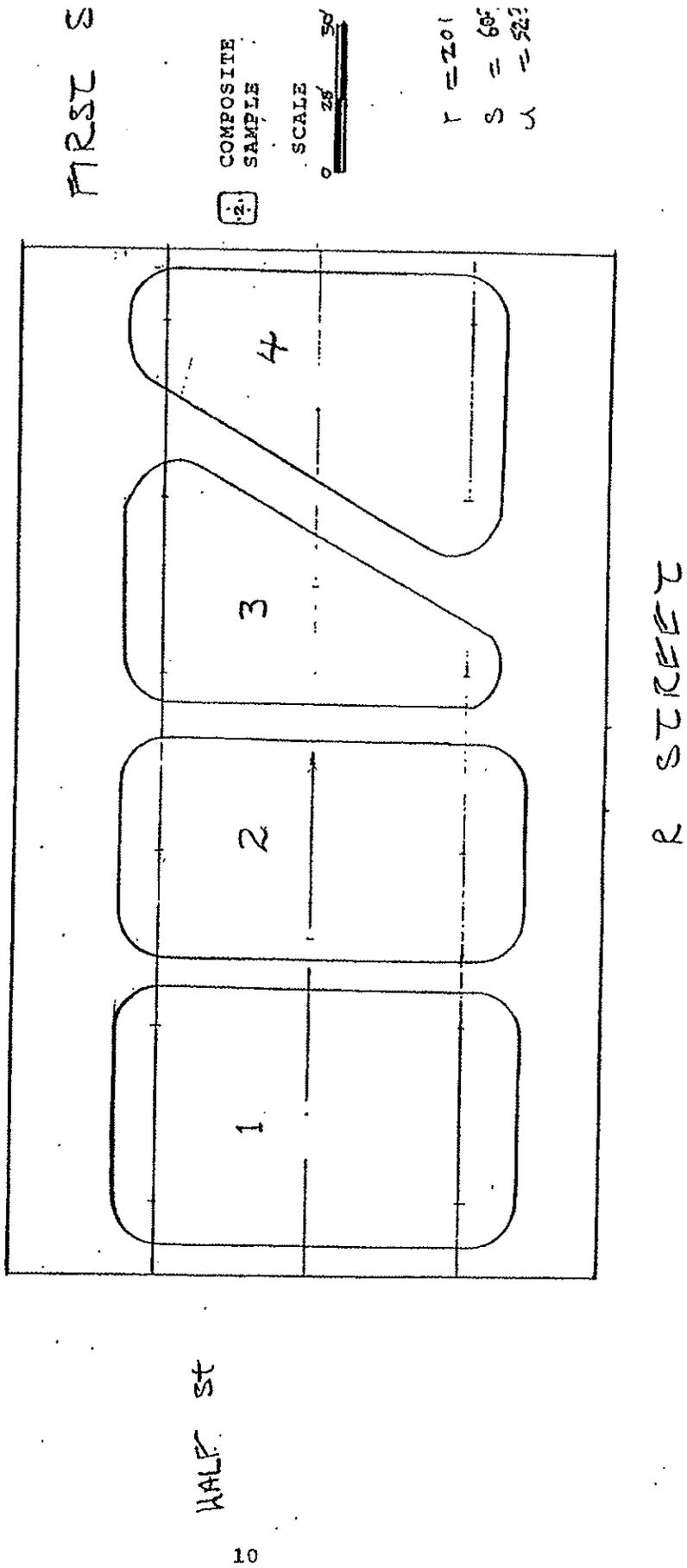
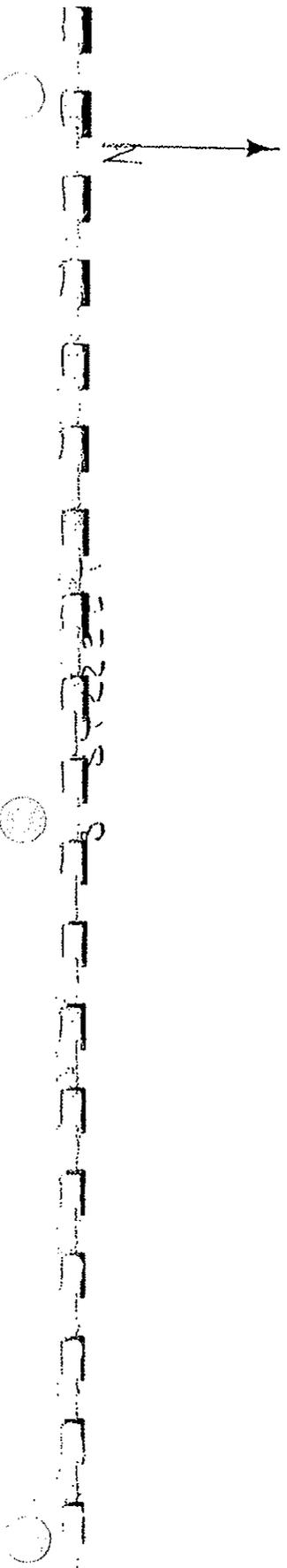


Figure 4: Site 4 Layout and Sample Locations

- o Site #3 was actively being used by one of PEPCO's contractors, W.A. Chester, Inc., as a storage yard, parking area, and maintenance area for vehicles. As a result of Site #3's highly active status, any assessment made of the site could be subject to change due to on-going use of the site.
- o Site #5 is active in some areas and is being used as a substation. Therefore, as in the case of Site #3, a complete assessment at this time could be subject to change.

## 2.8 SUMMARY OF SITE ACTIVITIES

Based on the information provided by PEPCO by way of answers to the questionnaires, meetings and phone conversations coupled with site visits, a summary of activities and uses at the sites was developed and is given in Table 2. In general, all of the sites were used for storage of materials and support equipment. In addition to storage, Site #5 was an electric power generating plant. More recently power generation has been significantly reduced at the plant.

TABLE 2: SUMMARY OF SITE ACTIVITY, USE, AND POTENTIAL CONTAMINANTS

SITE/SQUARE NUMBER	PEPCO OPERATION	ACTIVITY AREA	SITE USE	POTENTIAL CONTAMINANTS
1/603	Meter Reader Office Stores	Area 1 UST Area 2 UST	Office, Fueling Storage of Precast Material Plastic Pipe, Conduits and Wires	Lead, Petroleum Hydrocarbons
2/607	T & D Constr. Conduit	UST asphalt pit concrete pad & metal pipe area conduits parking area open unpaved storage area	Miscellaneous storage yard, fueling and parking of vehicles	Lead, hydrocarbons tar compounds metals, PCBs, hydrocarbons oils, metals, PCBs oil leaks, TPH metals, PCBs, oils TPH
3/609 & 611	T & D Constr. Conduits Stores Contractor Use	Entire area	By W.A. Chester, Inc. Staging area, vehicle main. Scrap pile, cables, oils & solvents, old coal storage	TPH, metals, PCBs, sulfur, and other coal derivatives
4/661	Generating	storage of excavated earth	Soil Storage from excavation of gas turbines, and tanks	metals, hydrocarbons
5/665	Generating	Power Plant	Active substations	PCBs, TPH

GEOMATRIX, INC.

### 3.0 FIELD INVESTIGATION PROGRAM

Following the assessment of the sites, Geomatrix developed and conducted a field sampling program. The field program included the selection of sample locations and depths, based on use, activities, and potential contaminants at the sites. The field sampling analysis program that was carried out at the sites is summarized in Table 3.

For Sites 2 and 4, a sampling grid was developed and laid out in accordance with the EPA Grid System for the verification of PCB clean up. A number of sample points were combined to form composite samples. The actual locations of the points and number of points per composite sample were modified in the field as necessary to ensure adequate coverage of the areas of interest.

Prior to sampling, an area was set up for decontamination of the sampling equipment. The following steps were taken to reduce the possibility of cross-contamination of the samples. The sampling equipment was decontaminated before taking samples and immediately following the collection of each composite sample. Decontamination was carried out by washing the split spoon sampler, the bowls, and mixing trowels in tap water andalconox (a biodegradable detergent), rinsing with clean tap water, spraying the sampling tools with hexane, rinsing with distilled water, and allowing them to air dry.

TABLE 3: BUZZARD POINT SAMPLING/ANALYSIS PROGRAM

SITE #	AREA	# OF SAMPLES AND TYPE	# OF POINTS PER COMPOSITE	SAMPLE #	DEPTH OF SAMPLES/ft	ANALYSIS PERFORMED
1	UST 1	2-Composite	3	1, 2	3-5 & 8-10	EP Tox, TPH BTEX
1	UST 2	2 - Single	1	3, 4	3-5 & 8-10	EP Tox, TPH BTEX
2	UST	1-Composite	3	2	0-2	EP Tox, TPH BTEX
2	Asphalt Pit	1-Composite	3	3	0-2	Base Neutral Extractables
2	Open Area	6-Composite	4 @ 9 3	5, 6, 9, 10, 13, 16	0-2	EP Tox, TPH PCB
2	Concrete Pad	2-Composite	4	7, 8	0-2	EP Tox, TPH PCB
2	Conduits	1-Composite	4	11	0-2	EP Tox, TPH PCB
2	Parking Area	2-Composite	3	14, 15	0-2	TPH
4	Open Lot	4-Composite	5 @ 1 4 @ 2, 3, 4	1, 2, 3, 4	0-2	EP Tox, TPH

A drill rig was used to collect the soil samples by driving a 2" diameter split spoon sampler approximately 2 feet into the ground. Portions of the sample recovered from the spoon was placed in a stainless steel bowl and thoroughly mixed with samples from the other sampling points to form a composite sample. The composited sample was placed in glass jars and stored at approximately 4°C and shipped to the lab for analysis.

### 3.1 Site #1

Two areas at Site #1 were sampled. Area 1 was located to the north of the office building. Two composite soil samples were collected from 3 sample points as shown on Figure 2. Sample 1 was made up of soil samples from a depth of 3 to 5 feet. Sample #2 was taken from the same 3 locations at depths of 8 to 10 feet.

Area 2 was located east and in front of the office building. Two single samples were collected; Sample #3 from a depth of 3 to 5 feet and the other, Sample #4 from 8 to 10 feet. Sample #3 had a strong petroleum hydrocarbon odor. This odor was not as pronounced in Sample #4.

### 3.2 Site #2

The sampling points for Site #2 were located based on the grid system. The sample locations and the number of sampling

GEOMATRIX, INC.

points forming each composite is shown on Figure 3. Thirteen composite soil samples were collected from a depth of 0 to 2 feet.

A number of samples, namely Sample #1, 4, and 12, were not collected as originally planned. Samples #1 and #4, located in the vicinity of the UST and pump island, were not collected because of underground utilities in the vicinity of these locations. Sample #12 (a composite of 2 points) was combined with Sample #11 (a composite of 2 points) to form one composite sample for the vicinity of the trailer and conduits.

### 3.3 Site #4

The sampling points were determined and laid out based on the grid method used at Site #2. The sample locations and number of points associated with each composite sample are shown on Figure 4. Four composite soil samples were collected from a depth of 0 to 2 feet at the locations shown on Figure 4.

#### 4.0 ANALYTICAL RESULTS

The laboratory analytical results are given in Appendix B and are summarized in Table 4. The results are discussed below for each site.

##### 4.1 SITE #1

The four soil samples collected from Site #1 were submitted for the following analysis: TPH, BTEX, and EP Toxicity (metals). The results showed no detectable concentration of BTEX or EP Toxicity metals for the two samples from Area 1. TPH of 32 ppm was, however, detected in Sample #1 only.

In Area 2, Sample #3 had a strong hydrocarbon odor and the analyses showed TPH of 1440 ppm and ethylbenzene of 1 ppm. No other BTEX parameters were detected and no EP Toxic metals were detected. Sample #4 showed no TPH, BTEX, and/or EP Toxic metals.

##### 4.2 SITE #2

The thirteen composite soil samples which were collected from Site #2 at a depth of 0 to 2 feet and were submitted for analysis of one or more of the following parameters, EP Toxicity, metals, TPH, PCB, and Base Neutral compounds. The results, see



TABLE 4: SUMMARY OF ANALYTICAL RESULTS IN PPM

SITE #	AREA	SAMPLE #	SAMPLE DEPTH	TPH	B	T	E	X	PCB	ABNE *	E P T O X I C I T Y ( M E T A L S )										
											An	Ba	Cd	Cr	Pb	Hg	Se	Ag			
1	UST 1	1	3-5	32	-ND	-	-	->	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-
1	UST 1	2	8-10	-ND	-	-	-	->	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-
1	UST 2	3	3-5	1440	ND	ND	1	ND	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-
1	UST 2	4	8-10	-ND	***	***	***	->	N/A	N/A	-ND	-	-	-	-	-	-	-	-	-	-
****	*****	*****	*****	*****	***	***	***	***	***	***	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
2	UST	2	0-2	170	-ND	-	-	-	->	-	-	-	-	-	-	-	-	-	-	-	-
2	ASPHALT PIT	3	0-2	N/A	-	-	-	-	->	ND*	-N/A	-	-	-	-	-	-	-	-	-	-
2	OPEN UNPAVED STORAGE	5	0-2	240	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		6	0-2	240	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		7	0-2	360	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		8	0-2	130	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		9	0-2	240	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		10	0-2	110	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		11	0-2	100	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		13	0-2	190	-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-
		14	48		-ND	-	-	->	ND	N/A	-ND	-	-	-	-	-	-	-	-	-	-



Table 4, showed that of the parameters analyzed for, only TPH was detected. Ten of the thirteen samples showed TPH concentrations ranging from 100 ppm to 360 ppm as shown in Table 4.

4.3 SITE #4

The four composite soil samples collected from Site #4 at depths of 0 to 2 feet were submitted for EP Toxic metals and TPH analyses. The results (see Table 4) showed that none of these parameters were detected, except for chromium which was detected at what can be considered a trace amount of 0.1 ppm.

5.0 CONCLUSIONS

Based on the information provided by PEPCO and the field sampling and analyses program conducted at the sites, the following conclusions can be reached:

- o Site #4 can be considered free of contamination and "environmentally clean" with respect to the parameters that were analyzed for.
- o TPH is present in the soils at Sites #1 and #2.
- o The actual extent of TPH presence and concentration is not known for Area 2 at Site #1. In the case of Site #2, TPH presence appears to be fairly well distributed across the site.

**COMPREHENSIVE SITE ASSESSMENT  
POTOMAC ELECTRIC POWER COMPANY  
BUZZARD POINT STATION  
1<sup>ST</sup> AND V STREETS, S.W.  
WASHINGTON, D.C.  
FACILITY ID#: 2-000609  
DC LUST CASE#: 93-051  
TPH PROJECT#: J93058.01  
AUGUST 11, 1993**

**Prepared For:**

**Potomac Electric Power Company  
1900 Pennsylvania Avenue, N.W.  
Washington, D.C. 20068-0001**

**Prepared By:**

**TPH Technology, Incorporated  
2017 Renard Court  
Annapolis, Maryland 21401  
(410)224-9300**



**EXECUTIVE SUMMARY**

**COMPREHENSIVE SITE ASSESSMENT (CSA) REPORT  
BUZZARD POINT STATION  
1<sup>ST</sup> AND V STREET, S.W.  
WASHINGTON, D.C.  
FACILITY ID #: 2-000609  
DC LUST CASE #: 93-051  
TPH PROJECT #: J93058.01**

TPH Technology, Incorporated (TPH, Inc.) has conducted a Comprehensive Site Assessment at the Potomac Electric Power Company's (PEPCO) Buzzard Point Generating Station, located at 1<sup>st</sup> and "V" Street, S.W., Washington, D.C. This investigation was initiated pursuant to a written directive issued by the District of Columbia, Department of Consumer and Regulatory Affairs; Environmental Regulation Administration; Pesticides, Hazardous Waste and Underground Storage Tank Branch's (DCRA). This directive was made in response to the January 29, 1993, discovery of free phase (liquid) hydrocarbons by PEPCO personnel in an existing groundwater observation well. The assessment was conducted in accordance with DCRA Specifications.

The existing observation well was located in the combustion turbine area at the northern portion of the generating station. This well was installed in the early 1970's in response to a leak in an underground #2 fuel oil line. The northern combustion turbine area (NCTA) was the focal point of this investigation.

The Buzzard Point Generating Station had been used for generating electric power since 1928. The surrounding area consists primarily of commercial establishments and governmental institutions. Multifamily residences are located several blocks north of the site. Underground utilities include telephone, natural gas, water, fuel oil lines, sanitary sewers and storm sewers. Of these utilities, sanitary and storm sewers are greater than six feet in depth. The depth of sanitary sewers range from 8 to 12 feet depth.

The site is located in the Atlantic Coastal Plain Physiographic Province. The stratigraphy of the site is characterized by silty sand and gravel of the Pamlico Formation. The depth to groundwater ranges from  $\approx$ 15 to 20 feet below grade. The groundwater flow direction appears to be to the southwest.

The site assessment included a shallow soil gas survey, the installation of eleven groundwater monitoring wells, sampling and analysis of soil and groundwater, a survey of sensitive receptors, and total fluids and vacuum extraction remedial feasibility testing.

Using the information provided by the shallow soil gas survey, soil vapor isoconcentration maps were drafted to determine relative "hot spots" of petroleum-impacted soil in the NCTA. These maps were then used to aid in the placement of the groundwater monitoring wells. Additional data required for placement of the monitoring wells included knowing the location and depth of the many underground utilities at the site.

During the installation of eleven monitoring wells, soil samples were collected using grab and split spoon sampling methods. These samples were analyzed in the field with a photoionization device (PID) to quantify the Volatile Organic Compound (VOC) concentration(s) of the samples. VOC concentrations in the samples generally increased with depth to the water table surface of 15 to 20 feet depth. The highest VOC concentration(s) in soil samples were found in samples collected across the water table surface. The highest VOC concentrations in soil samples ranged from 233 ppm (MW-10) to >8,900 ppm (MW-2).

A portion of the soil sample(s) exhibiting the highest VOC concentration(s) from each monitoring well location was prepared for laboratory analysis. These soil samples were analyzed for Total Petroleum Hydrocarbons (TPH), and Benzene, Toluene, Ethylbenzene and Xylene (BTEX). According to the laboratory Reports of Analysis, the soil samples showed the presence of diesel and gasoline-derived hydrocarbons.

TPH concentrations ranged from 881 milligrams/kilogram (mg/kg; MW-3) to 30,700 mg/kg (MW-8). Total BTEX concentrations ranged from 243.9 micrograms/kilogram ( $\mu\text{g}/\text{kg}$ ; MW-4) to 1,500,300  $\mu\text{g}/\text{kg}$  (MW-5). The laboratory Reports of Analysis indicated that the TPH concentrations measured in the soil samples collected from MW-2, MW-4, MW-5, MW-6, MW-9 and MW-10 were derived from gasoline. The TPH in the soil samples from MW-3, MW-7, MW-8, MW-11 and MW-12 were derived from diesel fuel.

During a May 1993, groundwater sampling event of MW-1 through MW-9 (MW-10 through MW-12 were not present during May 1993), free phase petroleum product was measured on the groundwater in MW-1, MW-2 and MW-7; these wells were not sampled due to the presence of product. MW-1 had a detectable product skim; MW-2 had 0.36' of product; MW-7 possessed 0.01' of product. Laboratory analysis of groundwater samples collected from the other six site wells in May 1993 (MW-3, MW-4, MW-5, MW-6, MW-8 and MW-9) indicated that Total BTEX concentrations ranged from 9,032 micrograms/liter ( $\mu\text{g}/\text{l}$ ; MW-3) to 41,210  $\mu\text{g}/\text{l}$  (MW-5). Naphthalene concentrations ranged from 236

µg/l (MW-3) to 525 µg/l (MW-4). TPH concentrations ranged from 65.1 mg/l (MW-3) to 215.0 mg/l (MW-9).

Groundwater samples were collected from MW-10, MW-11 and MW-12 between July 16 and July 22, 1993. Laboratory analysis of these groundwater samples indicated that Total BTEX ranged from 1,476.1 µg/l (MW-11) to 81,408 µg/l (MW-12). Naphthalene concentrations ranged from 124 µg/l (MW-11) to 279 µg/l (MW-10). TPH concentrations ranged from 15.5 mg/l (MW-11) to 64.2 mg/l (MW-12). The laboratory analytical results indicated that the hydrocarbons resembled a mixture of gasoline and diesel fuel constituents.

During a July 14, 1993, gauging event, MW-1, MW-2, MW-5, MW-7, MW-8, and MW-9 were found to have floating free phase petroleum. The petroleum accumulations were measured to be less than 0.01' in MW-1, 0.16' in MW-2, 0.38' in MW-5, 0.01' in MW-7, 0.03' in MW-8 and 0.45' in MW-9.

The risk assessment of this site included an evaluation of potential sensitive receptors and hydrocarbon migration routes. Possible receptors and/or conduits of VOCs are storm sewers (13'-19' depth) and sanitary sewers (8'-12' depth); these utilities may be at risk for hydrocarbon impact. However, VOCs were not detected in any subsurface structures (i.e. utility manways) in the vicinity of the study area during April and May 1993, site visits. It should be noted that the storm sewer system at the site eventually discharges into the Anacostia River. The Anacostia River is a downgradient receptor located within 1,000 feet of the site. There are no drinking water wells located within a 1000-foot radius of the site. All buildings surveyed in the immediate area (within 1000 feet) use public-supplied water. Public drinking water is supplied to this area by the Government of the District of Columbia, Department of Public Works, Water and Sewer Utility Administration (DC DPW). The DC DPW derives its water supply from the Army Corps of Engineers, who obtain the water from the Potomac River, located to the northeast of the District of Columbia.

The information gathered to date indicates that a plume of free phase (liquid) and dissolved phase hydrocarbons exists under the combustion turbine area. This plume appears to exist from the property boundaries along "S" and Half Streets and encompasses the NCTA. The downgradient extent of the plume (specifically the free phase plume) has not been fully delineated to the southwest and west. The groundwater flow, as measured in this investigation is to the southwest under a relatively flat hydraulic gradient of 0.001 foot per foot (ft/ft).

An area reconnaissance revealed the location of a vacant lot northeast of the site, directly across the intersection of Half Street and "S" Street. A review of DCRA files indicated that the vacant lot was a former fuel terminal operated by Steuart Petroleum, and that site assessment and remedial activities are in



process. Based on the information available in DCRA files concerning the Steuart Petroleum site, the following needs to be mentioned:

- 1) the Steuart Petroleum property had been used as a fuel terminal for the storage and distribution of gasoline and fuel oil products from the early 1930's to its closing in 1989,
- 2) free phase petroleum, consisting of mixtures of #2 fuel oil and gasoline, has been found in the subsurface under the site,
- 3) approximately 2,717 gallons of liquid product was estimated to have been recovered at the site between 01/88 and 03/89,
- 4) the liquid phase product plume under the site, based on April 1992, gauging data, extended beyond the Steuart Petroleum property and has migrated under the intersection of "S" Street and Half Street, and had not been fully defined,
- 5) the groundwater flow is primarily to the west, with some of the measured flow being southwesterly toward PEPCO,
- 6) a petroleum hydrocarbon recovery system is currently in operation at the property.

In order to evaluate the site's potential for remediation, as well as evaluate the use of groundwater and product recovery and vacuum extraction technologies, a remedial feasibility test using both technologies was performed on MW-2 in July 1993. During this test, total fluids (groundwater and product) were pumped from MW-2 in order to quantify hydraulic conditions of the water table aquifer. Vacuum extraction test data was used to determine the effective vacuum influence that can be maintained at the site, and the air flow that can be extracted from the soil using existing well(s). Further data evaluation was used to determine the potential hydrocarbon mass recovery rate that can be expected if a pump and treat and vacuum extraction remedial program was implemented at the site. The remedial feasibility test indicated that groundwater recovery and vacuum extraction can be used effectively to remove hydrocarbons from the subsurface at a relatively high recovery rate.

Based on the information and data obtained during this investigation, it appears that the risks to human health and the environment from this site are moderate due to the depth of the observed hydrocarbons in the soils and groundwater. The deeper portions of the storm and sanitary sewers may become impacted as a result of hydrocarbons that may migrate toward these utilities.

Some additional delineation is needed to confirm the extent and the exact source(s) of the subsurface hydrocarbons present at the PEPCO site.

CORRECTIVE ACTION PLAN  
REMEDIAL SPECIFICATIONS AND IMPLEMENTATION DETAILS  
BUZZARD POINT GENERATING STATION  
HALF & S STREETS, SW, WASHINGTON, DC  
DC LUST CASE# 93-051  
March 10, 1995

PREPARED FOR:

Potomac Electric Power Company (PEPCO)  
7th Floor  
1900 Pennsylvania Avenue, NW  
Washington, D.C. 20068-0001  
(202)331-6489  
(202)872-2142/2227 FAX

PREPARED BY:

TPH Technology, Incorporated  
2017 Renard Court  
Annapolis, Maryland 21401  
(410)224-9300  
(410)573-0535 FAX

**CORRECTIVE ACTION PLAN  
 REMEDIAL SPECIFICATIONS AND IMPLEMENTATION DETAILS  
 BUZZARD POINT GENERATING STATION  
 HALF & S STREETS, SW, WASHINGTON, DC  
 DC LUST CASE# 93-051**

**TABLE OF CONTENTS**

<b>SECTION</b>		<b>PAGE</b>
1.0	INTRODUCTION .....	1
2.0	SUMMARY OF ASSESSMENT RESULTS .....	2
2.1	SITE DESCRIPTION .....	2
2.1.1	RELEASE HISTORY .....	2
2.1.2	SITE DESCRIPTION .....	3
2.1.3	SUBSURFACE UTILITIES .....	5
2.1.4	TOPOGRAPHY & DRAINAGE .....	5
2.1.5	REGIONAL GEOLOGY .....	5
2.1.6	LOCAL GEOLOGY .....	6
2.1.7	HYDROGEOLOGY .....	6
2.2	SITE ASSESSMENT ACTIVITIES & RESULTS .....	8
2.2.1	SOIL GAS, WELL INSTALLATION & SOIL QUALITY ASSESSMENT .....	8
2.2.2	WELL GAUGING & WATER QUALITY ASSESSMENT .....	11
2.2.3	PRODUCT & WATER QUALITY CHARACTERIZATION .....	14
2.2.4	ASSESSMENT OF GROUNDWATER SURFACE & PRODUCT PLUME .....	16
2.2.5	SUMMARY OF REMEDIAL FEASIBILITY TESTING .....	17
2.2.5.1	GROUNDWATER AND PRODUCT EXTRACTION .....	17
2.2.5.1	SOIL VAPOR VACUUM EXTRACTION .....	18
2.3	REMEDIAL GOALS & AREAS TARGETED FOR REMEDIATION .....	18
2.3.1	ABSENCE OF FREE-PHASE PRODUCT .....	18
2.3.2	REDUCTION OF ADSORBED HYDROCARBONS .....	20
2.3.3	REDUCTION OF SOLUBLE HYDROCARBONS .....	21
2.3.4	AREAS TARGETED FOR REMEDIATION .....	22
3.0	PERMITTING .....	23
4.0	PROPOSED REMEDIAL METHOD .....	23
4.1	PRODUCT PUMPING SYSTEM .....	24
4.1.1	PRODUCT PUMPS .....	24
4.1.2	PRODUCT STORAGE TANK & PLUMBING .....	25
4.2	SVE SYSTEM .....	28
4.2.1	SVE PLUMBING .....	28
4.2.2	SVE SYSTEM VACUUM PUMP .....	29
4.2.3	AIR/VAPOR EMISSION TREATMENT .....	30
4.3	GROUNDWATER AND VACUUM MONITORING POINTS .....	30
4.4	OPERATION & MAINTENANCE AND PROFESSIONAL SERVICES .....	31
4.4.1	SYSTEM OPERATION & MAINTENANCE .....	31
4.4.2	PROFESSIONAL SERVICES .....	33
4.4.2.1	QUARTERLY REPORT TEXT .....	33
4.4.2.2	DATA MANAGEMENT AND PRESENTATION .....	34
5.0	SCHEDULE OF TIMETABLE .....	34
 <b>TABLES</b>		
	TABLE 1: SOIL LABORATORY TESTING RESULTS (BTX/NAPHTHALENE, MW-18 TO MW-24) .....	10
	TABLE 2: SOIL LABORATORY TESTING RESULTS (TOTAL PETROLEUM HYDROCARBONS, MW-18 TO MW-24) .....	10
	TABLE 3: GROUNDWATER LABORATORY TESTING RESULTS (BTX/NAPHTHALENE/MTBE) .....	12
	TABLE 4: GROUNDWATER LABORATORY TESTING RESULTS (TOTAL PETROLEUM HYDROCARBONS) .....	12
	TABLE 5: PERMITS REQUIRED FOR CAP IMPLEMENTATION .....	23
	TABLE 6: CORRECTIVE ACTION PLAN IMPLEMENTATION SCHEDULE .....	35
 <b>FIGURES</b>		
	FIGURE 1: SITE MAP .....	4
	FIGURE 2: GROUNDWATER ELEVATION MAP (2/17/95) .....	7
	FIGURE 3: HYDROCARBON OCCURRENCE MAP (2/17/95) .....	13
	FIGURE 4: VACUUM INFLUENCE DURING TESTING .....	19
	FIGURE 5: PLUMBING ROUTES FOR PRODUCT LINES & SVE PLUMBING .....	26
 <b>APPENDICES</b>		
APPENDIX A:	TABLE OF STRATIGRAPHY, SOIL QUALITY & WELL SCREEN PLACEMENT	
APPENDIX B:	HYDROGRAPHS, CONCENTRATION V. TIME GRAPHS & GAUGING & SAMPLING DATABASE	
APPENDIX C:	LABORATORY TESTING RESULTS (JANUARY 1995 ASSESSMENT)	

CORRECTIVE ACTION PLAN  
REMEDIAL SPECIFICATIONS AND IMPLEMENTATION DETAILS  
BUZZARD POINT GENERATING STATION  
HALF & S STREETS, SW, WASHINGTON, DC  
DC LUST CASE# 93-051

## 1.0 INTRODUCTION

---

This document has been prepared pursuant to the District of Columbia, Department of Consumer and Regulatory Affairs, Environmental Regulation Administration, Underground Storage Tank Management Branch (DCRA's) written directive dated November 2, 1994. The Directive required PEPCO to submit a Corrective Action Plan Report (CAP Report) which "addresses all phases of on-site contamination". This task was completed with the submittal of a draft report, dated December 2, 1994, and entitled "Final Preliminary Corrective Action Plan, Remedial Specifications and Implementation Details".

The Directive also required PEPCO to continue to monitor all wells, remove free phase (product) as observed, and submit monthly project status/free product recovery reports until case closure. These tasks are in the implementation process.

The Directive further identified two areas in Buzzard Point requiring additional assessment. The first area was identified as the former gasoline fueling area located at 180 S Street, SW (PEPCO/Chevron site). The second area was the active above-ground storage tank farm (AST farm). The assessment of these areas were conducted concurrent with the finalization of the CAP and the information gained from the assessment is presented herein, along with the re-iteration of previous assessment information, and re-iteration of the CAP. The report has been prepared as the final document for the Comprehensive Site Assessment and Corrective Action Plan requirements as set forth by DC UST Regulations, DC Municipal Regulations, Title 20, Chapter 62.

The results of all work completed between April 1993 and July 1993 were reported in a Comprehensive Site Assessment (CSA) Report, dated August 11, 1993. An Addendum to the CSA Report was then submitted November 8, 1993, which reported the results of an off-site assessment located at the former 20,000-gallon UST property (180 S Street), west of the CT Yard. A third document was then submitted June 3, 1994 which summarized the results of first quarter 1994 assessment activities and discussed the results of work completed between April 1993 and April 1994.

Included herein is an overview of the results of soil and groundwater quality assessment activities completed at the Combustion Turbine Yard (CT Yard) between April 1993 and February 1995, and the results of additional subsurface assessment activities and the AST farm and former gasoline fueling area (PEPCO/Chevron Site) completed between December 1994 and February 1995. The CT Yard assessment activities included a soil gas survey, installation of sixteen 4"-diameter monitoring wells, sampling and analysis of soil, groundwater and free-phase product samples, and periodic gauging and bailing of product accumulations in twelve of the sixteen wells. The results of the work completed through October 1994 indicated that the free-phase product plume covered a relatively larger area than

the original reported petroleum release volume would suggest. The results of the work also indicated that portions of the product plume were of a gasoline-like origin; however, the only reported petroleum release within the CT Yard was #2 heating fuel oil. Recent assessment activities, including the installation of seven additional 2"-diameter monitoring wells and associated soil and groundwater sampling and analyses, were completed in and around the AST farm and the PEPCO/Chevron site (180 S Street). This recent work was performed in an attempt to identify potential contributing sources of the free-phase petroleum products previously identified in the wells within CT Yard boundaries.

## **2.0 SUMMARY OF ASSESSMENT RESULTS**

---

### **2.1 SITE DESCRIPTION**

#### **2.1.1 RELEASE HISTORY**

In 1968, a 4"-diameter underground pipeline was installed at the CT Yard to supply the combustion turbines with fuel oil from the AST farm located to the north of the CT Yard and S Street, SW. During early 1970's, a fuel oil pipeline leak was detected and repaired. A 15"-diameter monitoring well (MW-1) was then installed near the location of the leak. On January 29, 1993, PEPCO personnel discovered the presence of a liquid petroleum product in MW-1, and notified the DCRA. The DCRA then requested that a sample of the petroleum product be collected and analyzed for characterization, and recommended that a submersible pump be lowered into the well and the liquid petroleum be pumped from the well. On February 1, 1993, PEPCO collected a sample of the petroleum product from MW-1, and submitted such to an independent laboratory for analysis. According to the laboratory Report of Analysis, the sample was a "bi-phase" liquid: the top layer of the sample was a petroleum product and the bottom layer was "aqueous". The aqueous portion of the sample was analyzed for Benzene, Toluene, Ethylbenzene, and total Xylenes (BTEX), Volatile Petroleum Hydrocarbons and Semi-Volatile Hydrocarbons (TPHC). The BTEX concentration in the aqueous sample was 2,120 micrograms/liter ( $\mu\text{g/l}$ ). The TPHC concentration in the aqueous sample was 60,000  $\mu\text{g/l}$  TPH-Volatile and 160,000  $\mu\text{g/l}$  TPH-Semivolatile (or 220,000  $\mu\text{g/l}$  TPHC). The petroleum product layer was analyzed for flash point; flash was observed at 162°F. A copy of the Report of Analysis was provided in PEPCO's August 1993 Report to the DCRA.

On February 23, 1993, PEPCO submitted a letter to DCRA stating that DCRA's recommendations for laboratory analysis and pump installation had been followed, and PEPCO planned to continue the pumping and recovery of petroleum product until May 1993, in an effort to determine whether or not the product would dissipate with pumping. If after May 1, dissipation of the product seemed unlikely, PEPCO would make a determination as to whether a Comprehensive Site Assessment and a Corrective Action Plan would be necessary. After review of PEPCO's proposed plan for continued pumping of the petroleum product, the DCRA issued a directive requiring a Comprehensive Site Assessment and Free Product Abatement (FPA) until further notice. In response to the written directive, PEPCO initiated the Comprehensive Site Assessment in May 1993.

## 2.1.2 SITE DESCRIPTION

The CT Yard is located at "Half & S Streets", SW, Washington, DC (38°52'00" latitude and 77°00'40" longitude). The facility consists of five operating or activity areas. Facilities within these areas are depicted in Figure 1, and are discussed in greater detail below.

- Area 1: power station, switchyard, and combustion turbine area,
- Area 2: retired #6 fuel oil tank and laydown area,
- Area 3: gasoline fueling and conduit building area,
- Area 4: #2 fuel oil tank yard, and
- Area 5: screen house area.

Area 1 consists of the power station, switchyard and combustion turbine area, and is at the center of the five operating areas. The power station consists of six retired oil-fired steam generators and related equipment. The power station was fueled by coal prior to the use of oil. This power plant was activated in 1928 and continued operation until 1981. The switchyard was historically used as the power station's coal yard prior to becoming the switchyard. The CT Yard consists of 16 combustion turbines, associated equipment and work trailers. The CT Yard serves as a substation when not used for generating power during periods of peak demand. The CT Yard and switchyard are the primary areas of interest of this investigation and remediation project.

The retired #6 fuel oil tank and laydown area is west of the decommissioned power station. The retired #6 fuel oil tank is a 1.9-Million gallon AST, used to fuel the oil-fired steam generators via an underground pipeline buried under First Street. This tank was taken out of service when the power station was decommissioned in 1981. A fire fighting foam house is located next to the retired #6 fuel tank. This fire fighting foam house is still operable. The remaining portion of this area is used for storage by a private contractor and by the Federal Bureau of Investigation for vehicle storage. Prior to the construction of the #6 fuel oil tank and foam house, this area was used as a coal yard.

North of the retired #6 fuel oil tank area and west of the CT Yard is the former gasoline fueling and old conduit building area (PEPCO/Chevron site or 180 S Street site). This area consisted of a former maintenance building now used for storage, and an unmanned gasoline distribution area. The gasoline distribution area was supplied with gasoline via a 20,000-gallon underground fiberglass reinforced plastic storage tank (assessed within the November 1993 Report). This tank was removed in early August 1993 as part of a scheduled cost cutting measure and not due to any known release problems. The tank had passed structural integrity pressure testing on July 31, 1992. DCRA directed that this area be assessed after initiating assessment of the CT Yard. Subsequent to the submittal of an assessment report for this site to the DCRA, DCRA issued a letter approving conditional closing of this case. However, the recent DCRA Directive issued in November 1994 required that the "180 S Street" site be assessed. Since this time, it was determined that the former gasoline fueling area site and the PEPCO/Chevron site are the same exact site at 180 S Street. In order to support the findings of the initial assessment and provide further areal wide information, an additional monitoring well (MW-21) was installed in this area in close proximity to MW-13 (installed to initially assess the property and used to gain the initial conditional closure).

**POTOMAC ELECTRIC POWER COMPANY**

1st & V Street, S.W.  
Washington, D.C.  
Buzzard Point Generating Station



Small Business

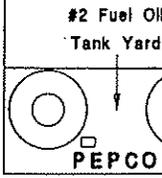
Opportunity  
Concrete

Salt  
Dome

POTOMAC AVE., SW

\*X\* STREET SW

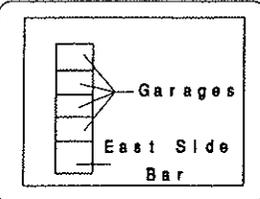
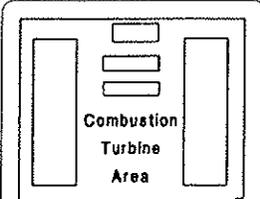
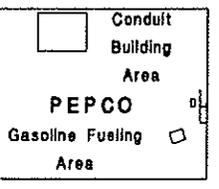
Super Salvage  
Salvage Yard



Former  
Stewart  
Petroleum  
Fuel Terminal

Amarada  
Hess

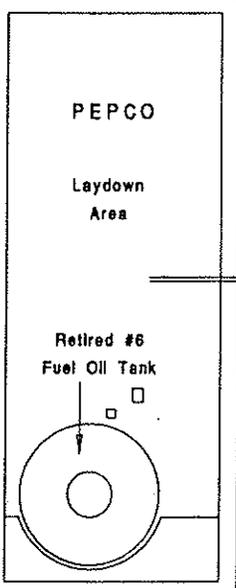
\*S\* STREET SW



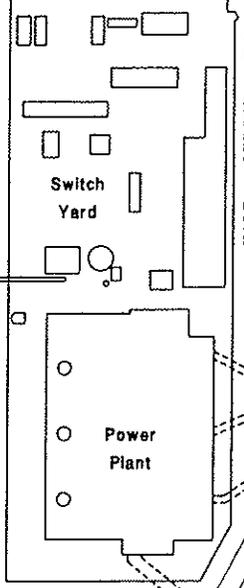
Fort  
McNair

\*T\* STREET SW

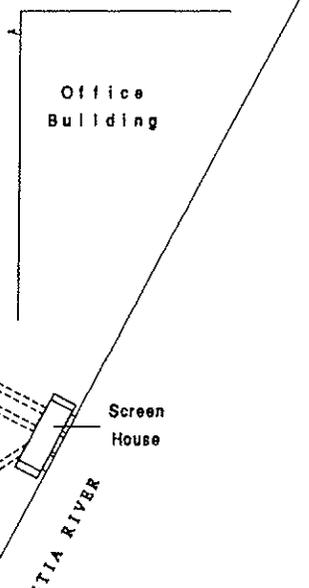
SECOND STREET SW



FIRST STREET SW



HALF STREET SW



\*V\* STREET, SW

National  
Park Service  
James Creek  
Marina

U.S.  
Coast  
Guard  
Headquarters

Buzzard  
Point  
Marina

ANACOSTIA RIVER



TPH  
FILE: 9305BARE  
DRAWN BY: ML.  
DATE: 6-8-93

FIGURE 1: SITE MAP



North of the CT Yard is the AST farm. This area contains two .411-million gallon ASTs, two truck unloading pads, and a fire fighting foam house. The ASTs service the combustion turbines in the CT Yard via an underground pipeline located beneath the eastern half of S Street between First and Half Streets, SW. This area was recently assessed to determine if it represented a potential source of the free-phase petroleum found beneath the CT Yard. Six monitoring wells were recently installed in the area of the ASTs and between the ASTs and the CT Yard along the northern side of S Street (MW-18, 19, 20, 22, 23 and 24).

East of the decommissioned power station is the screen house. This building was used to supply cooling water to the power station and was decommissioned at the same time as the power station (1981).

### 2.1.3 SUBSURFACE UTILITIES

The CT Yard is heavily covered by overhead utilities and underlain by underground utilities, the latter being mainly high-voltage electrical lines and #2 heating oil lines. Telephone services are supplied via underground lines serviced by Bell Atlantic. The telephone and electric lines servicing the PEPCO substation site are located underground. The site is supplied water by the District of Columbia, Department of Public Works, Water and Sewer Utility Administration (DC DPW). Water mains are located approximately 4' to 6' beneath the center of Half, First, S and T Streets. Specifically, T Street is the "southern" border of the CT Yard. Sanitary and storm sewer mains, maintained by the DC DPW, are located 8' to 12' beneath the center of Half, First, S and T Streets. The storm sewers flow west towards Second Street where they empty into a  $\approx 7\frac{1}{2}'$  diameter storm sewer main which then discharges southerly to the Anacostia River. Several smaller storm drain systems are located in the centers of S and T Streets. These storm sewers flow east and discharge into the Anacostia River. Natural gas is supplied by Washington Gas Energy Systems, Inc.

### 2.1.4 TOPOGRAPHY & DRAINAGE

The elevation of the CT Yard is  $\approx 20'$  above mean sea level. The site gently slopes towards the south-southwest towards the Anacostia River. Surface water from the site is controlled by curb-side gutters and storm sewers. Surface run-off from the site is directed primarily to the west (to Second Street).

### 2.1.5 REGIONAL GEOLOGY

The site is located in the Atlantic Coastal Plain Physiographic Province. According to the USGS "Geologic Map of Washington, D.C. and Vicinity," the site is located on the Pamlico Formation and Recent Alluvium. The Pamlico Formation is composed of gravel, sand and silt, and fill.

## 2.1.6 LOCAL GEOLOGY

Soil samples collected during assessment activities indicated that the texture and lithology of the soil beneath the CT Yard are consistent with the Pamlico Formation. Some areas of the site have been cut and re-filled with fill as the historical use of the Buzzard Point area was at one time residential. The soil beneath the site was primarily silty sand with minor amounts of gravel. Coarse-grained gravel layers were encountered in the eastern half of the study area at  $\approx 25'$  depth, and underlain by a red-brown clay. With increased distance to the west, the soil lithology becomes more clayey. All soil borings were terminated upon reaching this clay material, if encountered, or 25' to 27' depth to maintain well depth consistency. The vadose zone soil is composed of stratified silty loam and clayey silts. The water table aquifer sediments consist of fine to medium grain sand with minor fractions of silt and gravel; again, in the western direction, an increased portion of clay can be discerned in the water table sediments.

The lithologic profile of the former PEPCO/Chevron site, as defined by the drilling and soil sampling of MW-13 and MW-21, was characterized by a firm, silty, red clay fill to a depth of 25' which is underlain by a medium to coarse grained, water-saturated sand. This area differs from that described for most of the CT Yard and likely reflects a fill zone created during removal and over-excavation of the former USTs from this area and historical land use. Appendix A provides a table summarizing the lithologic profile of all monitoring wells installed at the PEPCO facilities, along with the geologic and well construction logs of MW-18 through MW-24.

## 2.1.7 HYDROGEOLOGY

Based on gauging data collected between May 1993 and February 1995, the depth to groundwater beneath the site has averaged  $\approx 19'$  below grade with a range between  $15\frac{1}{2}'$  to  $20\frac{1}{2}'$  due to topography and seasonal fluctuations. Between November 1993 and February 1995, the elevation of the groundwater surface has fluctuated within an average range of  $\approx 3'$ , with the highest water level being recorded in the March-April 1994 time period, and the lowest being recorded most recently in February 1995. The groundwater flow direction is to the west-southwest under a hydraulic gradient of 0.0003 to 0.001 foot per foot (ft/ft, depending on time of year and depth of water table surface). Steeper gradients were measured during May to August 1993; smaller gradients were measured during February to May 1994.

Figure 2 provides a contoured groundwater elevation map of the study area. Please note, previous reports have used different elevation datums to construct groundwater elevation maps. Per DCRA Policy, top of well casing (TOC) elevations are to be surveyed to a USGS benchmark, as was completed for the June 1994 Report. However, because the surface elevation is  $\approx 20'$ , and the depth to the water table surface near 20', corrected water table elevations are actually below mean sea level (e.g. negative elevation). To relieve confusion, Figure 2's groundwater map uses a benchmark datum arbitrarily affixed with a relative elevation of 50' from which site wells (or TOCs) have been surveyed.



Based upon pumping test data obtained in July 1993 from MW-2, the transmissivity (T) of the water table aquifer is 18,620 gallons per day per foot (gpd/ft). The hydraulic conductivity is 2,325 gallons per day per square foot (gpd/ft<sup>2</sup>), using a saturated thickness of 8' [25' to top of clay depth - 17' average depth to water during time of pumping test = 8' saturated thickness]. The natural pore velocity ( $V_{nat}$ ) of the water table aquifer is estimated to be on the order of ½ to 1 ½ feet per day ( $\approx$  170 to 565 feet per year), assuming an effective porosity ( $\Phi_e$ ) of 0.2.

## 2.2 SITE ASSESSMENT ACTIVITIES & RESULTS

### 2.2.1 SOIL GAS, WELL INSTALLATION & SOIL QUALITY ASSESSMENT

Before subsurface exploration work was initiated in early 1993, a product sample was collected from MW-1 (the existing 15" diameter well) and analyzed for Polychlorinated Biphenyls (PCBs) and flashpoint. Laboratory analysis of this sample did not detect the presence of PCBs at or above the laboratory detection limits. Flash was observed at 55°C (131°F).

The initial site assessment at the CT Yard included a shallow soil gas survey (SGS). The purpose of the SGS was to analyze soil pore vapor at 3 ½' to 10' depth for the presence of BTEX, Total Volatile Hydrocarbons (TVHC, C<sub>4</sub> - C<sub>9</sub>), and Total Semi-volatile Hydrocarbons (TVHC C<sub>10</sub> - C<sub>25</sub>). Soil gas samples were collected from 52 locations in and around the CT Yard. Based on the distribution of hydrocarbon concentrations in SGS sample locations, proposed locations of eight monitoring wells were selected. The methodology and results of the survey are reported in the August 1993 Report.

Between May 10 and 13, 1993, eight monitoring wells (MW-2 through MW-9) were installed in the CT Yard using hollow stem auger (HSA) drilling methods. Three additional monitoring wells were installed in the CT Yard using HSA methods on July 6 and 22, 1993 (MW-10, MW-11 and MW-12). On October 11, 1993, MW-13 was installed using HSA methods in the confines of the former tankfield of the 20,000-gallon UST located on the 180 S Street. MW-13 was discontinued for site assessment purposes in July 1994 pursuant to PEPCO's receipt of DCRA's "letter of compliance" approving closure of the 20,000-gallon UST site project. However, as stated above and latter in this report, this site/case was re-opened per the DCRA Directive to assess 180 S Street (PEPCO/Chevron site) which had also contained two additional USTs used for gasoline and diesel storage. Between January 25 and 31, 1994, MW-14, 15, 16 and 17 were installed within and immediately outside the walls of the CT Yard using HSA methods. The existing 15" diameter observation well was designated as MW-1. Subsequent to the November 2, 1994 DCRA Directive, seven additional monitoring wells (MW-18, 19, 20, 21, 22, 23 and 24) were installed using HSA techniques in the AST farm and the above mentioned 180 S Street site (former PEPCO/Chevron fueling area) between January 27 and 30, 1995.

During drilling operations of the above wells, soil samples were collected using split spoon and grab sampling methods, and screened in the field for the presence of VOCs using a photoionization device (PID) and the headspace analysis technique. Each sample jar was filled to approximately 3/4 capacity to create a headspace. Additionally, from each well location, a portion of the soil sample exhibiting the highest VOC concentration or the soil sample collected across the apparent groundwater surface (if all soil samples exhibited less than detection limits for VOC within a borehole) was submitted to a laboratory for analysis of BTEX and TPHC, using EPA Methods 8240 and 8015, respectively. Soil samples from MW-18 through MW-24 were also analyzed for Naphthalene.

Appendix A summarizes the soil profile, soil quality data and approximate screened intervals of MW-2 through MW-24. A geologic and well construction log for MW-1 and an assessment of its soil quality was not produced during installation by PEPCO. Well logs for MW-2 through MW-17 are available in the August and November 1993, and June 1994 Reports. Well logs for MW-18 through MW-24 are contained in Appendix A. Laboratory Reports of Analysis for soil samples obtained from MW-2 through MW-17 are contained in previous reports.

Analytical testing results for soil samples collected during the recent supplemental assessment using MW-18 through MW-24 are summarized in Tables 1 and 2. As shown, the soil samples selected for laboratory analysis (exhibiting the maximum volatile vapor readings during field screening) consistently were encountered at or about the depth of the water table surface (e.g. 20' to 22' depth), suggesting migration of these compounds from a distal source via the groundwater surface. The highest BTEX concentration was identified in the sample collected from MW-20 at 20' to 22' depth (1.028 milligrams per kilogram (mg/kg)). Benzene was generally non-detectable in all of the samples collected from MW-18 through MW-24, with the exceptions of the soil samples collected at 20' to 22' from MW-23 and 24. The maximum TPHC concentration was detected in the sample obtained from MW-20 (2350 mg/kg TPHC-Gasoline Range Organics, or TPHC-GRO). Detectable TPHC compounds, primarily measured and reported as Diesel Range Organics (DRO), were also found in the samples collected from MW-19, 23 and 24. Naphthalene was found in four of the seven soil samples (MW-19, 20, 23 and 24) ranging to a high of 0.356 mg/kg in MW-20.

Minor indications of adsorbed phase hydrocarbons (measured as VOCs using the PID-headspace method) were encountered at shallower depths (10' to 15' depths) in MW-19, 20 and 23, as summarized in Appendix A's Soil Quality & Lithology Table. Even in consideration of these areas of hydrocarbon presence, there was a general lack of qualitative or quantitative data indicating that the AST farm or the former PEPCO/Chevron site are major contributing source(s) of the hydrocarbons on and within the water table beneath the CT Yard.

All soil cuttings resulting from the drilling operations were stockpiled on-site. A composite soil sample was collected from the stockpiles and analyzed for disposal characteristics after the "May 1993" wells were installed. These analyses included: BTEX, TPH, EOX (Extractable Organic Halogens), PCBs, TCLP (Toxicity Characteristic Leaching Procedure)-Metals, Corrosivity (pH), Ignitability (Flashpoint), % Moisture (% Solids) and Reactivity (with water, sulfide and cyanide). PEPCO has disposed of all soil generated during drilling activities.

Soil Analytical Testing Results for MW-18 through MW-24. PEPCO--Buzzard Point.

Table 1- Soil Analytical Testing Results --MW-18 through MW-24(BTEX and Naphthalene)							
Sample Identification	MW-18/19-21 ft.	MW-19/20-22 ft.	MW-20/20-22 ft.	MW-21/25-27	MW22/20-22	MW23/20-22	MW24/20-22
Benzene	bql	bql	bql	bql	bql		
Ethylbenzene	bql	89.2	bql	bql	bql	1.38	4.03
Toluene	bql	bql	260	bql	bql	44.8	101
Xylenes	bql	bql	bql	bql	bql	bql	bql
Total BTEX	bql	89.2	768	1.87	bql	141	93.1
Naphthalene	bql	271	1,028	1.87	bql	187.18	198.13
			356	bql	bql	27.7	79.9
Notes: Results reported in ug/kg, parts-per-billion. BQL= below method quantitation levels.							
Method SW 846 8240							
Table-2 Soil Analytical Testing Results--MW-19 through MW-24(Total Petroleum Hydrocarbons)							
Sample Identification	MW-18/19-21 ft.	MW-19/20-22 ft.	MW-20/20-22 ft.	MW-21/25-27	MW22/20-22	MW23/20-22	MW24/20-22
Diesel Fuel	bql	808	bql	bql	bql	7.5	92.6
Gasoline	bql	bql	2530	bql	bql	bql	bql
Heavy Oil	bql	bql	bql	bql	bql	bql	bql
Jet Fuel	bql	bql	bql	bql	bql	bql	bql
Kerosene	bql	bql	bql	bql	bql	bql	bql
Mineral Oil	bql	bql	bql	bql	bql	bql	bql
Naptha	bql	bql	bql	bql	bql	bql	bql
Paint Thinner	bql	bql	bql	bql	bql	bql	bql
Stoddard Solvent	bql	bql	bql	bql	bql	bql	bql
Total Unknown	bql	bql	bql	bql	bql	bql	bql
Notes: Reported in mg/Kg, parts-per-million. BQL=below method quantitation limits.							
Method 8015 Modif.							

## 2.2.2 WELL GAUGING & WATER QUALITY ASSESSMENT

With the exception of recently installed MW-18 through MW-24, relative elevations of the site wells' top of casings (TOCs) and grade level were surveyed by a licensed surveyor using an established USGS elevation benchmark. Elevation measurements for MW-18 through MW-24 were tied into the previously established site elevation grid, but the benchmark was affixed with an arbitrary datum of 50' to allow for easily understandable groundwater elevations. This was done because the depth to the water table surface is  $\approx 20'$ , and corrected water table elevations were historically near zero elevation or negative elevation (e.g. below mean sea level).

Depths to product (if present) and groundwater have been measured  $\approx 36$  times between May 1993 and February 1995. Measurements were made using an audible, oil/water interface probe, and were taken from the north rim of the TOCs with 0.01' accuracy. The relative groundwater elevations in the wells were calculated by subtracting the measured depth to groundwater in a well from the respective TOC elevation. If free-phase product was present, the depth to groundwater was calculated by subtracting the measured depth to groundwater from the TOC elevation and adding the value of product thickness multiplied by product specific gravity. The in-situ specific gravity of the product in MW-2 was measured to be 0.86. Appendix B provides hydrographs for all site wells depicting the groundwater surface fluctuations and product accumulation fluctuations. Appendix B also provides the groundwater gauging and sampling database from which the hydrographs are based.

Groundwater quality in site wells has been assessed twice in most wells in the study area, except for the more recent MW-18 through MW-24. Because most site wells contain free-phase product, repeated groundwater sampling (e.g. quarterly schedule) was not imperative to assess groundwater quality. Groundwater sampling events were conducted on May 19, 1993 (sampling of MW-3, 4, 5, 6, 8 and 9), July 14 and 23, 1993 (MW-10, 11 and 12), October 19, 1993 (MW-13), February 24, 1994 (MW-3, 4, 6, 8-14 and 17) and January 1995 (MW-18, MW-19, MW-20, MW-21, MW-22, MW-23 and MW-24). During the May 1993 event, MW-1, 2 and 7 contained free-phase product and were not sampled, MW-10 through MW-17 did not exist at the time. During the July 1993 events, only MW-10, 11 and 12 were sampled as part of the expansion of the monitoring well network. During the October 1993 event, only MW-13 was sampled as part of the assessment of the 20,000-gallon UST site. During the February 1994 event, MW-1, 2, 5, 7, 15 and 16 contained product and groundwater samples were not collected. During the May, July and October 1993 events, BTEX, Naphthalene and TPHC were analyzed using EPA Methods 624 and 8015M. During the February 1995 event, BTEX, Naphthalene, TPHC and Methyl-tert Butyl Ether (MTBE) were analyzed using the same EPA Methods.

The results of the sampling events are depicted graphically in Appendix B; the database for the groundwater quality results are also tabulated within the gauging and sampling database of Appendix B. Copies of the laboratory Reports of Analysis for historical sampling events are provided in the August and November 1993, and June 1994 Reports. Tables 3 and 4 present a summary of water quality data obtained from MW-18 through MW-24. Copies of the laboratory results for these analyses are contained in Appendix C. The analytical results are also displayed on the hydrocarbon plume map presented as Figure 3.







FILE: 9305BSUR  
 DRAWN BY: M.L.  
 DATE: 4-5-94

**POTOMAC ELECTRIC  
 POWER COMPANY**  
 1930 1st Street, S.W.  
 Washington, D.C.  
 Buzzard Point  
 Generating Station

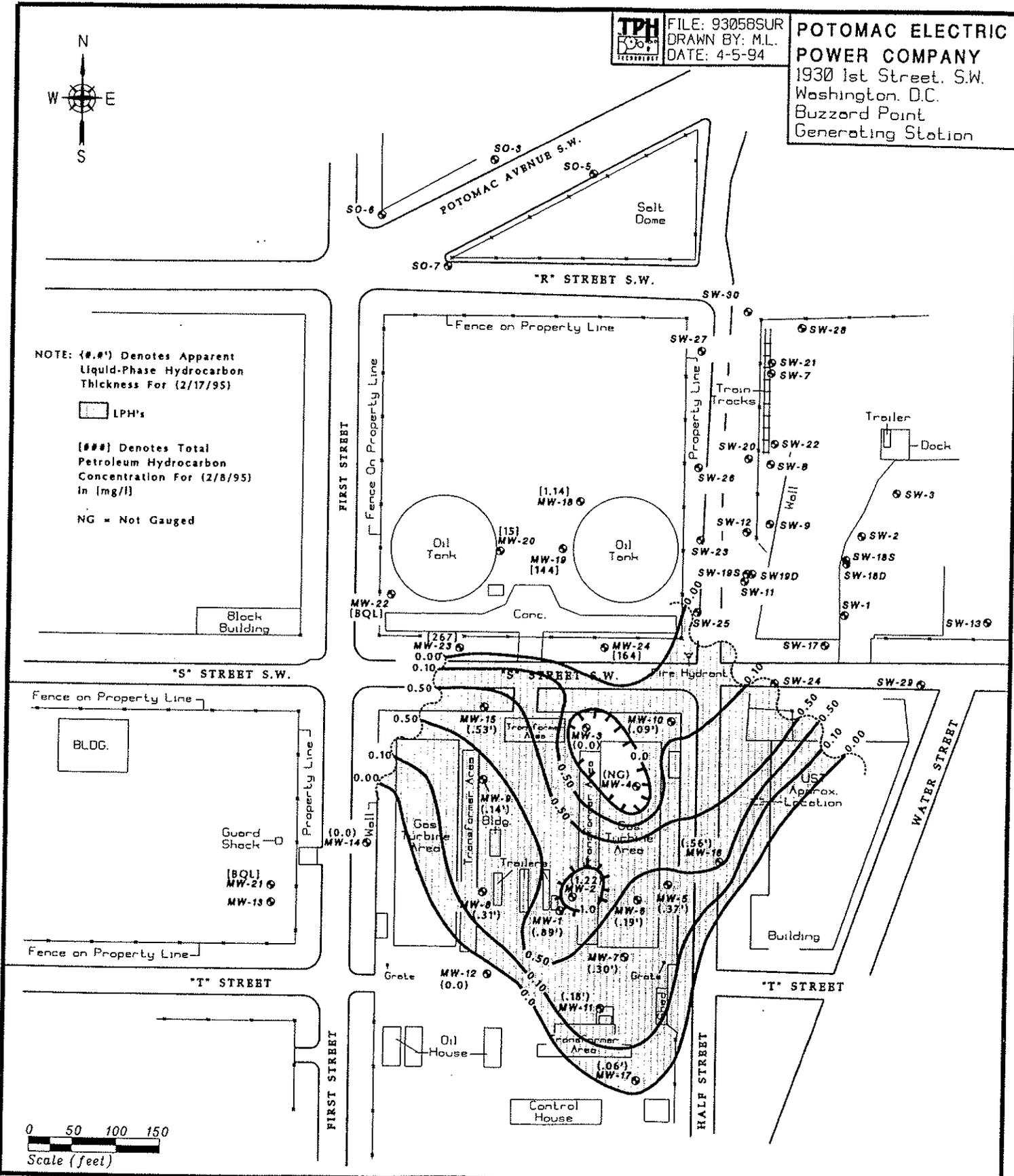


FIGURE 3: HYDROCARBON OCCURRENCE MAP (2/17/95)  
 CONTOUR INTERVALS (FEET)

As shown in Tables 3 and 4, dissolved hydrocarbon constituents were identified in water samples collected from all seven newly installed wells. The highest BTEX concentration measured in the recent monitoring well samples was in the sample collected from MW-23 (14.659 milligrams per liter, mg/l); the lowest was 0.00289 mg/l BTEX, as measured in the sample collected from MW-21, located at the 180 S Street site (former PEPCO/Chevron site). Total dissolved BTEX concentrations less than 0.1 mg/l were found in the water samples collected from MW-18, MW-19, MW-21 and MW-22. The remaining three wells contained 1.7638 mg/l (MW-20), 2.444 mg/l (MW-24) and 14.659 mg/l (MW-23).

Naphthalene, a common component of most fuel oils (including gasoline), was detected in groundwater samples from MW-18, MW-19, MW-20, MW-21, MW-23 and MW-24 ranging to a high of 0.738 mg/l in MW-24.

Dissolved Total Petroleum Hydrocarbon (TPHC) compounds characteristic of diesel fuel range organics (TPHC-DRO) were detected in the groundwater samples obtained from MW-18 (1.14 mg/l), MW-19 (144 mg/l) and MW-24 (164 mg/l). Gasoline range TPHC compounds (TPHC-GRO) were found at concentrations of 15 mg/l (MW-20) and 267 mg/l (MW-23).

### 2.2.3 PRODUCT & WATER QUALITY CHARACTERIZATION

Product characterization analyses were performed on product samples collected from MW-1, 2, 5, 7, 15 and 16 on February 24, 1994. Please note that these six wells were the only wells to contain product on this date. Subsequent gauging events have indicated that product is typically present in all but four of the CT Yard's 16 "on-site" wells (MW-3, 4, 12 and 14). This February 1994 sampling event (groundwater and product sampling) was performed in response to DCRA's request for mutual site assessments between PEPCO and Steuart Investment Company (SIC), representatives of the owner/operator of former petroleum handling facilities on the property located immediately northeast (and hydraulically up-gradient) of the CT Yard and immediately east of the AST farm. The results of the February 1994 sampling event, and a discussion of the implications of the results are provided in the June 1994 Report, and in SIC's Report, dated June 24, 1994 (prepared by Greentree Compliance Incorporated (GCI), consultant to SIC). The product characterization activities resulted in the following conclusions and/or items of concern:

- The products in PEPCO site wells were a mixture of diesel-range distillates (e.g. #2 heating oil) and gasoline-derived compounds. The majority of the diesel-range product was concentrated in the vicinity of MW-1 and 2 (the original release location of the #2 heating oil) with  $\approx 75\%$  or more of fuel oil and 25% or less of gasoline. Gasoline components represented 70% to 90% of the products in the samples collected from MW-5, 7, 15 and 16.
- The gasoline components in the above wells were identified to be of 1980s vintage by SIC and GCI's subcontracted laboratory, World Geosciences Incorporated (WGI). MW-16 product's gasoline contribution ( $\approx 90\%$ ) was identified by WGI to be early to mid-1980s, and is similar to the gasoline contribution to one of SIC's most down-gradient wells (SIC MW-24). The product in SIC wells also contains 1970s vintage gasoline (not originating from SIC historical operations), and pre-1970 gasoline (which was derived from historical operations at the SIC property).

- The 1970s/1980s vintage gasoline products in PEPCO and SIC wells has been determined to not originate from any historical PEPCO activity within the CT Yard-Buzzard Point Facility. Further, such did not originate from any historical activity within the SIC property.
- PEPCO MW-9 and 12 were impacted by minimally degraded fuel oil, with some characteristics indicating their source is from the same/similar source impacting MW-5 and 16.
- The dissolved hydrocarbons in SIC's MW-25 water sample appeared to be derived from fuel oil associated with free product in PEPCO MW-15.
- Portions of the soluble hydrocarbons concentration signatures of the groundwater in MW-4 and 6 are similar to that displayed in MW-9 and 12, but MW-9 and 12 lack a fuel oil contribution.
- The gasoline source impacting MW-8 is different than the gasoline source which impacted MW-4, 6, 9 and 12. Portions of MW-8's gasoline signature are similar to that in MW-3 and 10, and SIC MW-24.
- The gasoline contributions to the groundwater in MW-17 could be a mixture of that from MW-3, 8 and 10, with that from MW-4, 6, 9 and 12.
- The water sample from PEPCO's MW-11 had predominately Benzene, and its hydrocarbon source was not indicative of a gasoline or fuel oil sources.

In consideration of the water quality beneath the CT Yard, the February 1994 groundwater analytical results of MW-3, 4, 6, 8-14 and 17 also indicated the following. By March-May 1994, MW-6, 8, 9, 10, 11 and 17 had since developed free-phase product. The groundwater surface had increase to its recorded high during early April 1994, and then began to decline by late-April 1994, and continued to decline through late-June 1994. Groundwater level fluctuations remained within a relatively small range between late-June 1994 through September, when in October 1994, the fluid levels began to decline. The water table surface in February 1995 is the lowest recorded water level.

At the time of this writing, liquid-phase hydrocarbons have not been observed in any of the seven recently installed monitoring wells (MW-18 through MW-24). Groundwater quality data obtained from MW-18 through MW-24 are the basis of the following general observations and conclusions regarding the nature and origin of the hydrocarbons in the CT Yard.

- Benzene typically represents a very low proportion (average of <4%) of the BTEX suite in groundwater samples exhibiting total BTEX concentrations 0.1 mg/l (i.e. MW-20, MW-23 and MW-24). The absence of dissolved Benzene is consistent with the BTEX ratios of associated soil samples and is likely the result of weathering of an aged gasoline product and/or an indication of a non-volatile hydrocarbon source (i.e. diesel fuel) for these compounds.

- Elevated dissolved BTEX concentrations detected in MW-20 and MW-23 are found in combination with the presence of elevated Naphthalene concentrations (171 and 651 mg/l, respectively) and dissolved TPHC-GRO concentrations (15 and 267 mg/l, respectively) suggesting a mixed weathered gasoline/diesel fuel source.
- MW-18, located on the hydraulically up-gradient portion of the AST farm, contained dissolved hydrocarbon compounds at a concentration of 0.02385 mg/l BTEX, 0.00249 mg/l naphthalene and 1.14 mg/l TPHC-DRO, suggesting some degree of area-wide groundwater degradation and potential up-gradient source(s).
- MW-21, located within the tank pit excavation of the former PEPCO/Chevron site (drilled near MW-13, but screened into the lower regions of the water table aquifer, with MW-13 screened in the backfill material of the former 20,000-gallon UST tankfield), exhibited near non-detect BTEX concentration of 0.00289 mg/l BTEX. MTBE was also detected in this well's water sample at 0.0851 mg/l, suggesting minimal leaching from residual vadose zone source material in this area.

#### 2.2.4 ASSESSMENT OF GROUNDWATER SURFACE & PRODUCT PLUME

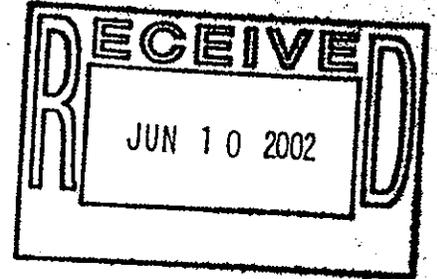
Based on the  $\approx 36$  groundwater gauging events conducted between May 1993 and February 1995, the groundwater surface has been well characterized. Figure 2 provides a contoured water table elevation map based on gauging data collected in February 1995. Figure 3 provides a contoured product accumulation-hydrocarbon occurrence map, based on product accumulations measured in site wells on February 17, 1995, and TPHC concentrations measured in January 1995 (of MW-18 through MW-24). Please note, the product accumulation in site wells is a reflection of the extent of product within the subsurface, but does not reflect the actual thickness found in the native soil. Typically, the product thickness in the soil is on the order of 6% to 30% of the product accumulation in a typical 4"-diameter monitoring well. The relativity of the actual thickness within the soil, as compared to that which can be measured in monitoring wells was not measured at this site. However, based on site geology, the ratio of actual thickness (within the soil) versus apparent thickness (within the well(s)) may be on the order of 20% to 30% (e.g. 0.2 to 0.3). Based on the extent of the free-phase petroleum plume, as depicted in Figure 3, the average product thickness in site wells in and immediately adjacent to the CT Yard is  $\approx 0.27'$ . Thus, the actual thickness in the water table aquifer soil is  $\approx 0.05'$  to  $\approx 0.08'$ . The product plume encompasses an area of at least 17,200 square feet. Assuming that the porosity of the water table aquifer is  $\approx 25$  to 35%, the product plume on February 17, 1995, and as depicted in Figure 3, represented 1,600 to 3,600 gallons of petroleum. Please note, the product plume is not defined east of MW-16 and west of MW-15. Additional delineation of the plume in the area between MW-8 and MW-14 is proposed to be addressed during corrective action activities, as discussed later in this document.

Environment Management Services

Certified Mail - 70011140000299426668

June 7, 2002

Mr. Kofi Berko, Ph.D.  
DC Department of Health  
EHA/UST Division  
51 N St., NE, 3<sup>rd</sup> Floor  
Washington, DC 20002

**Re: LUST Case # 93-051 – Buzzard Point Station**

Dear Dr. Berko:

This letter and attachments 1-8 constitute Pepco's progress report on the status of the groundwater remediation project at Buzzard Point Station. The attachments were prepared by TPH Technology, Inc. for Pepco. As DOH is well aware, Pepco remains fully committed to its goal of remediating of petroleum product at Buzzard Point Station. However, based on a review of the past year recovery operation and results of recent well gauging and sampling of selected wells, Pepco strongly believes that the free phase product has been removed to the maximum extent practical by application of two remediation systems in place since 1996. Accordingly, Pepco is seeking approval to move to a passive remediation phase in removing the de minimus amount of petroleum that remains at this site.

From January 1996 - November 1999, a soil vapor extraction - product pumping system operated at Buzzard Point station to address the petroleum contamination underneath the combustion turbine area. This system removed approximately 6925 gallons of petroleum. By November 1999, the rate of recovery was so slow due to lack of petroleum that the system was deactivated. Monitoring and gauging of the wells continued while alternative measures were studied for recovery of remaining mass of petroleum at the site. In May 2001, a portable high vacuum pump and treat system was installed to recover product from two monitoring wells (MW-5 and 11) that contained the largest amount of product. This system operated on MW-5 from mid May - June 2001 and then operated on MW-11 from July 2001-April 2002. In total, the system removed an estimated 1.5 million gallons of groundwater and 1,350 gallons of petroleum from the two wells. Groundwater sampling of selected wells and gauging of all wells were conducted February - April 2002 (Attachment 1 and 2 respectively). The recovery system was removed from service on April 2 in order to allow ground condition to stabilize while a review of the past year recovery data is conducted to determine the next feasible course of actions.

A review of the past year recovery operation indicates that the vacuum enhanced pump and treat system has removed the free phase product from the two wells, MW-5 and 11 that contained the largest amount of petroleum, to the maximum extend practical. This system was originally installed to operate on MW-5 and 11 for two (2) months. However, with severe regional draught, causing a large drop in groundwater table, which in turn exposed the entrapped product in the soil below groundwater table, the operation of this system was extended to eleven (11) months to maximize the recovery of product. Based on the April 2, 2002 gauging data, the thickness of product in MW-5 was Zero and in MW-11 was 0.01 feet. In addition, the pump could not sustain a longer-term operation without tripping. The natural iron content of the local groundwater cause clogging of the pump and associated equipment and further operation of this system requires a prolonged funding for O&M with unappreciable recovery rates. } when before of near zero

Attachment 1 shows the sampling data for seven wells (MW-4, 5, 6, 9, 10, 17, 25), the same wells that were sampled in November 2000. The results show that the benzene level is below 0.5 mg/l for all wells except MW-25, and although it is above the drinking water standards, it has significantly decreased from the November 2000 sampling event. The Toluene, Ethyl benzene and Xylenes levels for all wells are below the drinking water standards. Eleven wells (MW-3, 12, 14, 18, 19, 20, 21, 22, 26, 27, 28) were free of product during both the November 2000 and February 2002 gaugings and were not sampled. Five wells (MW-2, 7, 11, 15, 24) contained free phase product and were not sampled. The product thickness in GVPs was also exaggerated because they are constructed of 1 1/4" casing that display overstated thickness. To confirm such thickness, those wells and GVPs containing product were gauged again May 31- June 7 and the results were significantly lower as shown in Table 1.

Attachment 3 shows the hydrograph of selected wells and the relationship between groundwater table elevation and product thickness. Attachment 4 is the groundwater flow and petroleum plume map based solely on the February gauging. Attachments 5 and 6 are respectively summary of recovery operation data and graphs. Attachments 7 and 8 are respectively summary of discharge results and analysis of influent and effluent samples collected during the recovery operation.

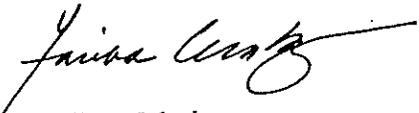
In requesting to move to a passive remediation phase, the following factors were also evaluated:  
a) drinking water to the area is supplied by the city, therefore, groundwater is not used as potable water and there is no drinking water well on-site or in its vicinity, b) due to a flat gradient at the site, groundwater has no flow movement to leach the contamination outside the site boundary, c) the groundwater table is in average 20 feet below grade and flows toward west, southwest of the site and away from the Anacostia River, d) the remediation site is located in an industrial area surrounded mostly by parking lots. There is no residential property in the vicinity of the site. Therefore, the remaining contamination at this site poses no potential risk to public health or the environment at present or in foreseeable future.

In light of the aforementioned information, Pepco is seeking approval from DOH to implement the following measures:

- Weekly gauging of the wells and GVPs that contained product based on Table 1.
  - Weekly bailing of the subject wells to recover free phase product and proper disposal of recovered product. ✓
  - Installation of absorbent booms in the wells to remove free phase product and replacement of the booms during the weekly gauging. ✓
  - ✓ Semi-annual groundwater sampling of the subject wells and GVPs that will not contain product. ✓
  - Quarterly submittal of a status report to DOH. ✓
  - Evaluating the effect of passive remediation after a year. ✓
  - Closure of the wells that did not contain product based on the February-April 2002 comprehensive well gauging. ✓
- 9/6 N/D we can close*

Pepco looks forward to DOHs' approval of the proposed alternative. Please contact me at (202) 331-6641 if you have any questions, comments, or need additional information.

Sincerely,



Fariba Mahvi  
Sr. Engineer,  
Environment Management Services

Enclosure

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052  
Sample Identification: MW4  
Date Received: 02/21/2002  
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015  
Client Identification: TPH Technologies  
Client Telephone: 410-437-7500  
Client Fax: 410-437-9547

Analyst: MM  
Lab File: 22602.D14  
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE	
Benzene	5	ug/L	444	} 0.444 mg/lt > 5 PPb 0.005 PPM
Toluene	5	ug/L	81.4	
Ethylbenzene	5	ug/L	94.2	
m&p-Xylene	5	ug/L	118	
o-Xylene	5	ug/L	16	
TPH GRO	100	ug/L	7080	7080



# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052  
Sample Identification: MW5  
Date Received: 02/21/2002  
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015  
Client Identification: TPH Technologies  
Client Telephone: 410-437-7500  
Client Fax: 410-437-9547

Analyst: MM  
Lab File: 22602.D15  
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	408 /
Toluene	5	ug/L	89.2
Ethylbenzene	5	ug/L	149 /
m&p-Xylene	5	ug/L	252 /
o-Xylene	5	ug/L	12.9
TPH GRO	100	ug/L	11220 / 112.00

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052  
Sample Identification: MW-6  
Date Received: 3/8/2002  
Analysis Date: 3/12/2002

USEPA Method: 8260 & 8015  
Client Identification: TPH Technologies  
Client Telephone: 410-437-7500  
Client Fax: 410-437-9547

Analyst: MM  
Lab File: 31202.D18  
Sample Date: 3/5/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	162 .16
Toluene	5	ug/L	7.6
Ethylbenzene	5	ug/L	ND
m&p-Xylene	5	ug/L	7.11
o-Xylene	5	ug/L	ND
Naphthalene	5	ug/L	ND
TPH GRO	100	ug/L	1100 11-
TPH DRO	500	ug/L	ND

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification:	95052	USEPA Method:	8260 & 8015
Sample Identification:	MW-9	Client Identification:	TPH Technologies
Date Received:	3/8/2002	Client Telephone:	410-437-7500
Analysis Date:	3/12/2002	Client Fax:	410-437-9547
		Analyst:	MM
		Lab File:	31202.D17
		Sample Date:	3/5/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	44.6 = 0.0446 ppm
Toluene	5	ug/L	22.4 = 0.0224 ppm
Ethylbenzene	5	ug/L	1680
m&p-Xylene	5	ug/L	3120
o-Xylene	5	ug/L	26.8
Naphthalene	5	ug/L	256
TPH GRO	100	ug/L	119.00 > 100 ppm
TPH DRO	500	ug/L	ND

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052  
Sample Identification: MW10  
Date Received: 02/21/2002  
Analysis Date: 02/26/2002

USEPA Method: 8260 & 8015  
Client Identification: TPH Technologies  
Client Telephone: 410-437-7500  
Client Fax: 410-437-9547

Analyst: MM  
Lab File: 22602.D16  
Sample Date: 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	294 = 0.294
Toluene	5	ug/L	26.4 = 0.0264
Ethylbenzene	5	ug/L	32.6 =
m&p-Xylene	5	ug/L	43.2
o-Xylene	5	ug/L	ND
TPH GRO	100	ug/L	4860 (4860) 486 ppm > 100 ppm

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

Project Identification: 95052  
Sample Identification: MW-17  
Date Received: 3/8/2002  
Analysis Date: 3/12/2002

USEPA Method: 8260 & 8015  
Client Identification: TPH Technologies  
Client Telephone: 410-437-7500  
Client Fax: 410-437-9547

Analyst: MM  
Lab File: 31202.D18  
Sample Date: 3/5/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	260
Toluene	5	ug/L	ND
Ethylbenzene	5	ug/L	ND
m&p-Xylene	5	ug/L	ND
o-Xylene	5	ug/L	ND
Naphthalene	5	ug/L	ND
TPH GRO	100	ug/L	2800
TPH DRO	500	ug/L	ND

*28 < 100 ppm*

# ADVANCED ENVIRONMENTAL CONCEPTS, INC.

**Project Identification:** 95052  
**Sample Identification:** MW25  
**Date Received:** 02/21/2002  
**Analysis Date:** 02/26/2002

**USEPA Method:** 8260 & 8015  
**Client Identification:** TPH Technologies  
**Client Telephone:** 410-437-7500  
**Client Fax:** 410-437-9547

**Analyst:** MM  
**Lab File:** 22602.D17  
**Sample Date:** 02/19/2002

COMPOUND	DETECTION LIMIT	TEST UNIT	TEST VALUE
Benzene	5	ug/L	1040
Toluene	5	ug/L	80.8
Ethylbenzene	5	ug/L	8.81
m&p-Xylene	5	ug/L	46.2
o-Xylene	5	ug/L	22.6
TPH GRO	100	ug/L	2500

*= 1.04 PPb > 0.005 PPH.*

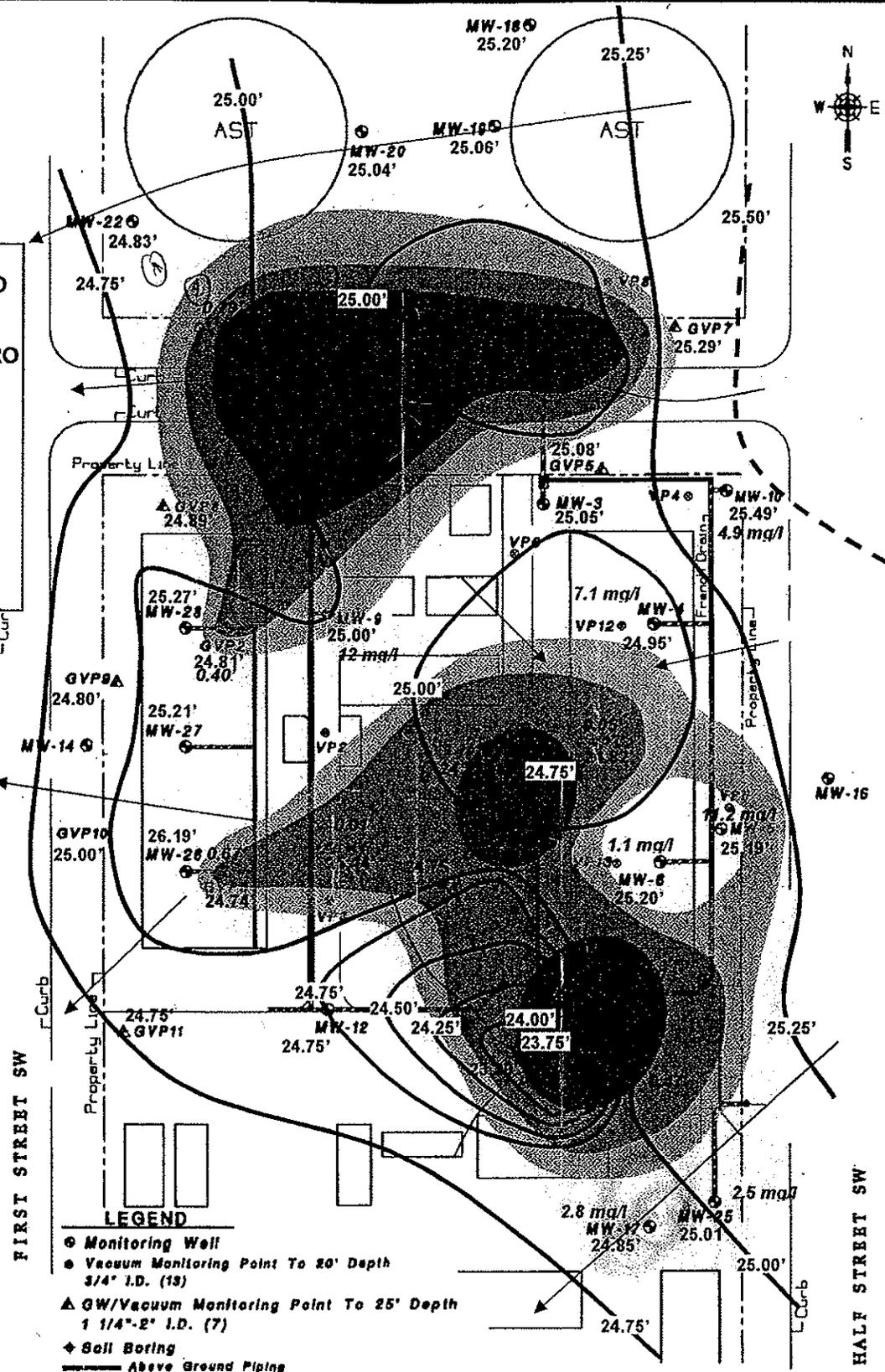
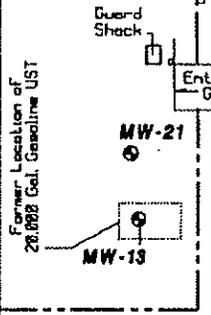
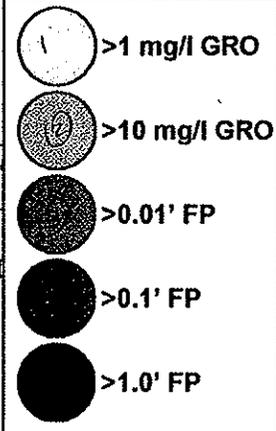
*25 < 100 PPH*

**RECEIVED**  
**MAR - 6 2002**

BY:.....

**POTOMAC ELECTRIC  
POWER COMPANY**  
1930 1st Street, S.W.  
Washington, D.C.  
Buzzard Point  
Generating Station

LDT: 24  
SQUARE: 665



- LEGEND**
- Monitoring Well
  - Vacuum Monitoring Point To 20' Depth  
3/4" I.D. (13)
  - ▲ GW/Vacuum Monitoring Point To 25' Depth  
1 1/4"-2" I.D. (7)
  - ◆ Soil Boring
  - Above Ground Piping
  - Underground Piping/Excavation
  - Utilities Run via Existing French Drain System
  - Well not Gauged
  - ( ) Elevation not used during Contouring



REVISED: 11/11/96 T.M.  
FILE: 95052517  
DRAWN BY: T.M.

**Groundwater Flow & Quality Map for February-March 2002**

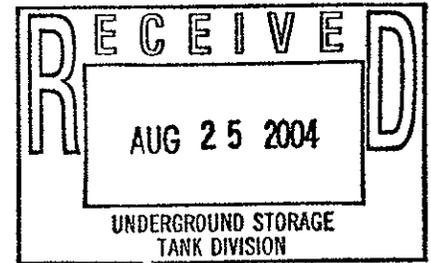
WARD 2

Environment Management Services

Certified Mail - 7003 1680 0004 9661 9536  
Return Receipt Requested

August 19, 2004

Mr. Million Demissie  
DC DOH/ERA  
Underground Storage Tank Division  
51 N Street, NE, 3<sup>rd</sup> Floor  
Washington, DC 20002



Re: **Buzzard Point Station - Lust Case # 93-051**

Dear Mr. Demissie:

This letter and Attachments 1-3 constitute Pepco's progress report on the status of the groundwater remediation project at Buzzard Point Station. This report provides a summary of the site activities for the period of April - July 2004. It also contains the analytical results of groundwater samples collected from the three down gradient wells in July and August 2004. Please note that two attempts to collect a sample from one of the downgradient wells (MW-26) failed due to lack of enough water in the well. Therefore, the well was allowed to recharge and a sample was collected on August 5, 2004.

During the period of April - July 2004, gauging of all GVPs and MWs except the non detects was conducted. The gauging data is included in Attachment 1. All GVPs and MWs were free of product. MW-11 that has historically contained product in the past, did not contain any free product during this period.

The three down-gradient wells, MW-12, MW-14, and MW-26 were sampled and the analytical results are included in Attachment 2. The results showed a little change since the March 2004 sampling event. The Benzene level in MW-14 and 26 and the Toluene, Ethyl benzene and Xylene levels in all three wells remained below the Maximum Contaminants Levels (MCLs) for drinking water. The GRO and DRO levels in all three wells remain at or below 1 ppm, the District of Columbia Water Quality Standards for TPH level in groundwater. Since May 2003, the three downgradient wells have been sampled every quarter and the results have been consistently below the regulatory standards, specifically in MW-14, which is located outside the station. The results indicate that the contamination is confined to the site and due to a flat gradient, groundwater has no flow movement to leach the contamination outside the site boundary.

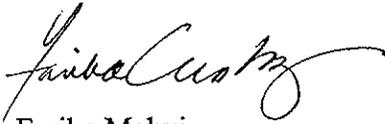


Attachment 3 includes two groundwater gradient maps, based on the March 9, 2004 and June 17, 2004 well gauging data.

We will continue with gauging and bailing of the GVPs and wells. In September 2004, we will conduct semi-annual sampling of all GVPs and MWs except the non detect wells. The sampling results will be used to evaluate the effectiveness of passive remediation and to plan for the next course of action that will address the remediation of remaining petroleum at this site. A remediation plan will be prepared and submitted to your office for review and approval.

Please contact me at (202) 331-6641 if you have any questions or need additional information.

Sincerely,

A handwritten signature in cursive script, appearing to read "Fariba Mahvi".

Fariba Mahvi  
Sr. Engineer,  
Environment Management Services

Attachments

Well	Date	Elevation	Depth to		Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet						Concentration expressed in mg/l								
GVP01	Oct.23, 2002	46.28	20.03	20.03	0.00	26.25								
	Nov.07	46.28	19.98	19.98	trace	26.30								
	Nov. 14	46.28	19.93	19.93	trace	26.35								
	Nov. 21	46.28	19.65	19.65	trace	26.63								
	Dec. 09	46.28	20.22	20.23	0.01	26.05								
	Dec. 19	46.28	19.99	19.99	0.00	26.29								
	Dec. 27	46.28	19.83	19.83	0.00	26.45								
	Jan. 07-2003	46.28	19.44	19.44	0.00	26.84								
	Jan. 27	46.28	20.08	20.11	0.03	26.17								
	Feb. 10	46.28	20.23	20.23	0.00	26.05								
	March. 05	46.28	19.23	19.23	0.00	27.05								
	March.18	46.28	19.15	19.15	0.00	27.13								
	April. 01	46.28	19.02	19.02	0.00	27.26								
	April.17	46.28	18.97	18.97	0.00	27.31								
	April.28	46.28	19.01	19.01	0.00	27.27								
	May. 20	46.28	18.84	18.84	0.00	27.44								
	June. 03	46.28	18.60	18.60	0.00	27.68								
	June. 10	46.28	18.44	18.44	trace	27.84								
	June. 23	46.28	17.91	17.91	trace	28.37								
	July. 15	46.28	18.11	18.11	0.00	28.17								
July. 24	46.28	18.59	18.59	0	27.69									
August. 07						0.76	0.14	0.96	1	3.46	20	11	< 0.02	
August. 26	46.28	19.05	19.05	trace	27.23									
Sept. 16	46.28	18.95	18.95	0	27.33									
March. 2004						No sample. Well cap could not be removed.								
GVP02	Oct. 23-2002	44.41	18.13	18.13	trace	26.28								
	Nov. 07	44.41	18.10	18.10	trace	26.31								
	Nov. 14	44.41	18.01	18.01	trace	26.40								
	Nov. 21	44.41	17.72	17.72	0.00	26.69								
	Dec. 09	44.41	18.37	18.39	0.02	26.02								
	Dec. 19	44.41	18.01	18.01	0.00	26.40								
	Dec. 27	44.41	17.94	17.94	0.00	26.47								
	Jan. 07-2003	44.41	17.51	17.51	0.00	26.90								
	Jan. 27	Could not remove the cap for sampling.												
	February. 10	44.41	18.66	18.66	0.00	25.75								
	March. 05	44.41	18.48	18.48	0.00	25.93								
	March. 18	44.41	17.18	17.18	0.00	27.23								
	April. 01	44.41	16.94	16.94	0.00	27.47								
	April.17	44.41	16.03	16.03	0.00	28.38								
	April. 28	44.41	17.19	17.19	0.00	27.22								
	May. 20	44.41	16.93	16.93	0.00	27.48								
	June. 03	44.41	16.78	16.78	0.00	27.63								
	June. 10	44.41	16.61	16.61	trace	27.80								
	June. 23	44.41	16.02	16.02	trace	28.39								
	July. 15	44.41	16.18	16.18	0.00	28.23								
July. 24	44.41	16.74	16.74	0.00	27.67									
August. 07						0.018	0.01	0.48	0.32	0.828	5.2	23	< 10	
August. 26	44.41	17.25	17.25	trace	27.16									
Sept. 16	44.41	17.07	17.08	0.01	27.33									
Mar.08, 2004	44.41	17.71	17.71		26.70	0.015	0.01	0.22	0.087	0.332	9	42	0.02	
June. 17	44.41	16.58	16.58	0.00	27.83									
June. 30	44.41	17.62	17.62	0.00	26.79									
July. 09	44.41	17.23	17.23	0.00	27.18									
GVP03	Oct. 23-2002	44.24	18.03	18.03	0.00	26.21								
	Nov. 07	44.24	17.80	17.80	trace	26.44								
	Nov. 14	44.24	17.89	17.89	trace	26.35								
	Nov. 21	44.24	17.60	17.60	0.00	26.64								
	Dec. 09	44.24	18.33	18.33	0.00	25.91								
	Dec. 19	44.24	17.93	17.93	0.00	26.31								
	Dec. 27	44.24	17.88	17.89	0.01	26.35								
	Jan. 07-2003	44.24	17.42	17.42	0.00	26.82								
	Jan. 27	44.24	18.25	18.25	0.00	25.99	0.17	0.079	0.38	0.542	1.171	4.9	20	<0.02
	February.10	44.24	18.82	18.82	0.00	25.42								
	July. 24	44.24	16.78	16.78	0.00	27.46								
August. 07						0.08	0.058	0.34	0.71	1.188	5.5	26	<0.05	
August. 26	44.24	17.26	17.27	0.01	26.97									
Mar. 29, 2004	44.24		17.92		26.32	0.12	0.099	0.58	1.1	1.899	8.9	34	< 0.1	

Well	Date	Elevation	Depth to	Depth to	Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE	
			Product	Water	Thickness	Elevation									
Values expressed in feet							Concentration expressed in mg/l								
GVP03 continued	April. 22	44.24	17.58	17.58	0.00	26.66									
	May. 14	44.24	17.60	17.60	0.00	26.64									
	June. 17	44.24	17.74	17.74	0.00	26.50									
	June. 30	44.24	17.67	17.67	0.00	26.57									
	July. 09	44.24	17.34	17.34	0.00	26.90									
GVP04	Oct. 23-2002	43.15	16.92	16.92	trace	26.23									
	Nov. 07	43.15	16.86	16.86	trace	26.29									
	Nov. 14	43.15	16.84	16.84	trace	26.31									
	Nov. 21	43.15	16.55	16.55	0.00	26.60									
	Dec. 09	43.15	17.20	17.21	0.01	25.94									
	Dec. 19	43.15	16.85	16.85	0.00	26.30									
	Dec. 27	43.15	16.79	16.79	0.00	26.36									
	Jan. 07-2003	43.15	16.32	16.32	0.00	26.83									
	Jan. 27	43.15	17.06	17.05	0.01	26.10									
	February. 10	43.15	17.92	17.92	0.00	25.23									
	March. 05	43.15	16.10	16.10	0.00	27.05									
	March. 18	43.15	16.11	16.11	0.00	27.04									
	April. 01	43.15	18.81	18.81	0.00	24.34									
	April. 17	43.15	18.89	18.89	0.00	24.26									
	April. 28	43.15	16.02	16.02	trace	27.13									
	May. 20	43.15	15.77	15.77		27.38									
	June. 03	43.15	15.60	15.60	0.00	27.55									
	June. 10	43.15	15.35	15.35	trace	27.80									
	June. 23	43.15	14.89	14.89	trace	28.26									
	July. 15	43.15	15.05	15.05	trace	28.10									
	July. 24	43.15	15.63	15.63	0.00	27.52									
	August. 08							< 0.13	< 0.05	0.2	0.33	0.71	14	53	< 0.1
	August. 26	43.15	16.11	16.11	trace	27.04									
	Sept. 16	43.15	15.92	15.92	0	27.23									
	Mar. 09, 2004	43.15		16.56		26.59		0.2	0.019	0.11	0.27	0.599	7	20	< 0.02
	April. 22	43.15	16.47	16.47	0.00	26.68									
	May. 14	43.15	16.57	16.57	0.00	26.58									
June. 17	43.15	16.63	16.63	0.00	26.52										
June. 30	43.15	16.42	16.42	0.00	26.73										
July. 09	43.15	16.14	16.14	0.00	27.01										
GVP05	Jan. 15-2003	45.80	18.75	18.75	0.00	27.05									
	Jan. 28	45.80	19.14	19.14	0.00	26.66	0.18	<0.005	0.019	0.04	0.244	1.8	2.6	<0.01	
	July. 24	45.80	17.56	17.56	0.00	28.24									
	August. 06						0.059	<0.005	0.011	0.022		1.2	2.9	< 0.01	
	August. 26	45.8	18.11	18.11	0	27.69									
	Mar. 11, 2004	45.8		18.68		27.12	0.047	< 0.005	0.011	0.016	0.079	4.7	3.9	< 0.01	
	April. 22	45.8	18.6	18.6	0	27.20									
	May. 14	45.8	18.6	18.6	0	27.20									
	June. 17	45.8	18.53	18.53	0	27.27									
	June. 30	45.8	18.73	18.73	0	27.07									
	July. 09	45.8	18.37	18.37	0	27.43									
GVP06	Oct. 23-2002	44.24	18.05	18.05	trace	26.19									
	Nov. 07	44.24	17.98	17.98	trace	26.26									
	Nov. 14	44.24	17.91	17.91	trace	26.33									
	Nov. 21	44.24	17.70	17.70	0.00	26.54									
	Dec. 09	44.24	17.92	17.94	0.02	26.30									
	Dec. 19	44.24	17.75	17.75	0.00	26.49									
	Dec. 27	44.24	17.65	17.65	0.00	26.59									
	Jan. 07-2003	44.24	17.39	17.39	0.00	26.85									
	Jan. 27	44.24	17.64	17.65	0.01	26.59									
	February. 10	44.24	17.85	17.85	0.00	26.39									
	March. 18	44.24	16.90	16.90	0.00	27.34									
	April. 01	44.24	16.01	16.01	0.00	28.23									
	April. 17	44.24	15.87	15.87	0.00	28.37									
	April. 28	44.24	16.67	16.67	trace	27.57									
	May. 20	44.24	16.67	16.67	0.00	27.57									
	June. 03	44.24	16.41	16.41	0.00	27.83									
	June. 10	44.24	16.28	16.28	trace	27.96									
	June. 23	44.24	15.72	15.72	trace	28.52									
July. 15	44.24	15.72	15.72	trace	28.52										

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
Values expressed in feet						Concentration expressed in mg/l								
GVP06 continued	July. 24	44.24	16.00	16.00	0.00	26.24								
	August. 06						0.013	< 0.01	0.35	0.086		5	5.1	< 0.02
	August. 26	44.24	16.56	16.56	trace	27.68								
	Sept. 16	44.24	16.62	16.62	0.00	27.62								
	Oct. 30	44.24	16.30	16.30	0.00	27.94								
	Nov. 7	44.24	16.30	16.30	0.00	27.94								
	Nov. 20	44.24	16.54	16.54	0.00	27.70								
	Dec. 4	44.24	16.57	16.57	0.00	27.67								
	Dec. 11	44.24	16.57	16.57	0.00	27.67								
	Feb. 09, 2004	44.24	16.95	16.95	0.00	27.29								
	Feb. 19	44.24	16.95	16.95	0.00	27.29								
	March. 11	44.24		17.11		27.13	0.01	0.01	0.14	0.028	0.188	3.2	3	< 0.02
	April. 5	44.24	17.05	17.05	0.00	27.19								
	April. 22	44.24	17.05	17.05	0	27.19								
	May. 14	44.24	17.13	17.13	0	27.11								
June. 17	44.24	16.95	16.95	0	27.29									
June. 30	44.24	17.15	17.15	0	27.09									
July. 09	44.24	16.95	16.95	0.00	27.29									
GVP07	Jan. 15-2003	45.78	18.70	18.70	0.00	27.08								
	Jan. 27	45.78	18.94	18.93	0.01	26.85								
	March. 05	45.78	16.20	16.20	0.00	29.58								
	March. 18	45.78	18.30	18.30	0.00	27.48								
	April. 01	45.78	18.12	18.12	0.00	27.66								
	April. 17	45.78	17.91	17.91	0.00	27.87								
	April. 28	45.78	18.06	18.06	0.00	27.72								
	May. 20	45.78	18.06	18.06	0.00	27.72								
	June. 03	45.78	17.71	17.71	0.00	28.07								
	June. 10	45.78	17.76	17.76	trace	28.02								
	June. 23	45.78	17.15	17.15	0.00	28.63								
	July. 15	45.78	17.15	17.15	0.00	28.63								
	July. 24	45.78	17.38	17.39	0.01	28.39								
	August. 06						0.36	0.028	< 0.025	0.052	0.465	3.1	7.9	< 0.05
	August. 26	45.78	18.86	18.86	0.00	26.92								
	Sept. 6	45.78	18.05	18.05	0.00	27.73								
	Oct. 30	45.78	17.95	17.95	0.00	27.83								
	Nov. 7	45.78	17.95	17.95	0.00	27.83								
	Nov. 20	45.78	18.00	18.00	0.00	27.78								
	Dec. 4	45.78	18.02	18.02	0.00	27.76								
	Dec. 11	45.78	18.00	18.00	0.00	27.78								
Feb. 9, 2004	45.78	18.43	18.43	0.00	27.35									
Feb. 19	45.78	18.45	18.45	0.00	27.33									
Mar. 11	45.78		18.49		27.29	0.21	0.019	0.01	0.038	0.277	3.4	3.7	< 0.02	
April. 5	45.78	18.54	18.54	0.00	27.24									
April. 22	45.78	18.54	18.54	0.00	27.24									
May. 14	45.78	18.43	18.43	0.00	27.35									
June. 17	45.78	18.50	18.50	0.00	27.28									
June. 30	45.78	17.53	17.53	0.00	28.25									
July. 09	45.78	17.44	17.44	0.00	28.34									
GVP08	Jan. 15-2003	43.71	16.43	16.43	0.00	27.28								
	Monitoring discontinued in February 2003 per DC-UST Division approval.													
GVP09	Jan. 15-2003	44.23	17.48	17.48	0.00	26.75								
	Monitoring discontinued in February 2003 per DC-UST Division approval.													
GVP10	Jan. 15-2003	43.75	18.25	18.25	0.00	25.50								
	Monitoring discontinued in February 2003 per DC-UST Division approval.													
GVP11	Jan. 15-2003	40.06	13.60	13.60	0.00	26.46								
	Jan. 27	40.06	14.14	14.14	0.00	25.92	0.013	0.005	0.005	0.01	0.033	0.38	1	0.01
	May. 20	40.06	12.76	12.76	0.00	27.30								
	June. 03	40.06	12.51	12.51	0.00	27.55								
	June. 10	40.06	12.51	12.51	trace	27.55								
	June. 23	40.06	12.76	12.76	0.00	27.30								
July. 15	40.06	12.76	12.76	0.00	27.30									

Well	Date	Elevation	Depth to	Depth to	Product	Water	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water	Thickness	Elevation								
Values expressed in feet							Concentration expressed in mg/l							
GVP11	July. 23	40.06	12.70	12.70	0.00	27.36								
continued	August. 08						0.01	< 0.005	< 0.005	< 0.01	0.03	0.46	0.82	< 0.01
	August. 26	40.06	13.13	13.13	trace	26.93								
	Oct. 30	40.06	12.90	12.90	0.00	27.16								
	Nov. 7	40.06	12.90	12.90	0.00	27.16								
	Nov. 20	40.06	12.95	12.95	0.00	27.11								
	Dec. 4	40.06	13.00	13.00	0.00	27.06								
	Dec. 11	40.06	13.00	13.00	0.00	27.06								
	Feb. 9, 2004	40.06	13.40	13.40	0.00	26.66								
	Feb. 19	40.06	13.45	13.45	0.00	26.61								
	March. 8	40.06	13.51	13.51	0.00	26.55	< 0.005	< 0.005	< 0.005	< 0.005		< 0.1	0.3	< 0.01
	April. 5	40.06	13.62	13.62	0.00	26.44								
* Monitoring discontinued in April 2004 per DC - UST division approval.														
MW01	Jan. 15-2003	46.51	19.85	19.85	0.00	26.66								
	Jan. 27	46.51	20.51	20.53	0.02	25.98	16 inch in diameter. Not monitored under this project.							
MW002	Oct. 23-2002	42.93	16.35	16.35	0.00	26.58								
	Nov. 07	42.93	16.32	16.32	trace	26.61								
	Nov. 14	42.93	16.29	16.29	trace	26.64								
	Nov. 21	42.93	15.96	15.97	0.01	26.96								
	Dec. 09	42.93	16.65	16.66	0.01	26.27								
	Dec. 19	42.93	16.26	16.26	0.00	26.67								
	Dec. 27	42.93	16.21	16.22	0.01	26.71								
	Jan. 07-2003	42.93	15.75	15.76	0.01	27.17								
	Jan. 27	42.93	16.58	16.60	0.02	26.33								
	February. 10	42.93	16.73	16.74	0.01	26.19								
	March. 05	42.93	15.54	15.54	0.00	27.39								
	March. 18	42.93	15.58	15.58	0.00	27.35								
	April. 01	42.93	15.37	15.37	0.00	27.56								
	April. 17	42.93	15.30	15.30	0.00	27.63								
	April. 28	42.93	15.45	15.45	0.00	27.48								
	May. 20	42.93	15.20	15.20	0.00	27.73								
	June. 03	42.93	15.07	15.07	0.00	27.86								
	June. 10	42.93	14.81	14.81	trace	28.12								
	June. 23	42.93	14.51	14.51	trace	28.42								
	July. 15	42.93	14.63	14.63	trace	28.30								
	July. 24	42.93	15.02	15.02	0.00	27.91								
	August. 05						0.14	< 0.01	< 0.025	0.096	0.271	8.1	680	< 0.02
	August. 26	42.93	15.53	15.54	0.01	27.39								
	Sept. 16	42.93	15.36	15.36	0.00	27.57								
	Oct. 30	42.93	15.35	15.35	0.00	27.58								
	Nov. 7	42.93	15.35	15.35	0.00	27.58								
	Nov. 20	42.93	15.40	15.40	0.00	27.53								
	Dec. 4	42.93	15.43	15.43	0.00	27.50								
	Dec. 11	42.93	15.44	15.44	0.00	27.49								
	Feb. 9, 2004	42.93	15.95	15.95	0.00	26.98								
	Feb. 19	42.93	15.95	15.95	0.00	26.98								
	March. 9	42.93	16.09	16.09	0.00	26.84	0.065	< 0.005	< 0.005	< 0.01		31	1100	< 0.01
	Mar. 31	42.93	16.06	16.06	0.00	26.87								
	April. 5	42.93	16.10	16.10	0.00	26.83								
	April. 22	42.93	15.96	15.96	0.00	26.97								
	May. 14	42.93	16.04	16.04	0.00	26.89								
	June. 17	42.93	16.27	16.27	0.00	26.66								
	June. 30	42.93	16.05	16.05	0.00	26.88								
	July. 09	42.93	16.44	16.44	0.00	26.49								
MW003	Jan. 15-2003	45.94	18.94	18.94	0.00	27.00								
	Jan. 27	45.94	19.31	19.32	0.01	26.62								
	March. 05	45.94	18.84	18.84	0.00	27.10								
	March. 18	45.94	18.54	18.54	0.00	27.40								
	April. 01	45.94	18.63	18.63	0.00	27.31								
	April. 17	45.94	18.42	18.42	0.00	27.52								
	April. 28	45.94	18.33	18.33	0.00	27.61								
	May. 20	45.94	18.33	18.33	0.00	27.61								
	June. 03	45.94	18.04	18.04	0.00	27.90								
	June. 10	45.94	18.03	18.03	trace	27.91								
	June. 23	45.94	17.55	17.55	0.00	28.39								
	July. 15	45.94	18.10	18.10	trace	27.84								

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE		
															Values expressed in feet	
Concentration expressed in mg/l																
MW003	July. 23	45.94	17.69	17.69	0.00	28.25										
continued	August. 07						0.068	< 0.005	< 0.045	0.065	0.183	2.7	9.2	< 0.01		
	August. 26	45.94	18.28	18.29	0.01	27.65										
	Mar. 8, 2004						Not sampled. Buried under gravel.									
MW004	Jan. 15-2003	46.20	19.26	19.26	0.00	26.94										
	Jan. 27	46.20	19.71	19.71	0.00	26.49	0.9	0.15	0.31	0.54	1.9	8	7.2	< 0.1		
	August. 07						0.24	0.67	0.17	0.51	1.59	8.4	3.4	< 0.02		
	August. 26	46.20	18.68	18.68	0.00	27.52										
	Oct. 30	46.20	18.60	18.60	0.00	27.60										
	Nov. 7	46.20	18.60	18.60	0.00	27.60										
	Nov. 20	46.20	18.70	18.70	0.00	27.50										
	Dec. 4	46.20	18.75	18.75	0.00	27.45										
	Dec. 11	46.20	18.75	18.75	0.00	27.45										
	Feb. 9, 2004	46.20	19.20	19.20	0.00	27.00										
	Feb. 19	46.20	19.23	19.23	0.00	26.97										
	March. 9	46.20	19.31	19.31	0.00	26.89	0.068	0.12	0.036	0.11		2.5	3.1	< 0.05		
	March. 31	46.20	18.32	18.32	0.00	27.88										
	April. 5	46.20	18.32	18.32	0.00	27.88										
	April. 22	46.20	19.27	19.27	0.00	26.93										
	May. 14	46.20	19.25	19.25	0.00	26.95										
	June. 17	46.20	19.41	19.41	0.00	26.79										
	June. 30	46.20	19.18	19.18	0.00	27.02										
	July. 09	46.20	18.92	18.92	0.00	27.28										
MW005	Oct. 23-2002	45.88	19.28	19.28	0.00	26.60										
	Nov. 07	45.88	19.23	19.23	trace	26.65										
	Nov. 14	45.88	19.19	19.19	trace	26.69										
	Nov. 21	45.88	18.91	18.91	trace	26.97										
	Dec. 09	45.88	19.51	19.51	0.00	26.37										
	Dec. 19	45.88	19.17	19.17	0.00	26.71										
	Dec. 27	45.88	19.10	19.10	0.00	26.78										
	Jan. 07-2003	45.88	18.70	18.70	0.00	27.18										
	Jan. 27	45.88	14.41	14.42	0.01	31.46										
	February. 10	45.88	19.65	19.65	0.00	26.23										
	March. 05	45.88	18.48	18.48	0.00	27.40										
	March. 18	45.88	18.43	18.43	0.00	27.45										
	April. 01	45.88	18.24	18.24	0.00	27.64										
	April. 17	45.88	18.18	18.18	0.00	27.70										
	April. 28	45.88	18.31	18.31	0.00	27.57										
	May. 20	45.88	18.12	18.12	0.00	27.76										
	June. 03	45.88	17.91	17.91	0.00	27.97										
	June. 10	45.88	17.71	17.71	trace	28.17										
	June. 23	45.88	17.41	17.41	trace	28.47										
	July. 15	45.88	16.90	16.90	trace	28.98										
	July. 23	45.88	17.80	17.80	trace	28.08										
	August. 07						1.1	0.34	0.7	1.2	3.34	12	37	< 0.01		
	August. 26	45.88	18.38	18.38	trace	27.50										
	Sept. 16	45.88	18.26	18.26	0.00	27.62										
	Oct. 30	45.88	18.28	18.28	0.00	27.60										
	Nov. 7	45.88	18.30	18.30	0.00	27.58										
	Nov. 20	45.88	18.33	18.33	0.00	27.55										
	Dec. 4	45.88	18.38	18.38	0.00	27.50										
	Dec. 11	45.88	18.40	18.40	0.00	27.48										
	Feb. 9, 2004	45.88	18.85	18.85	0.00	27.03										
	Feb. 19	45.88	18.85	18.85	0.00	27.03										
	March. 09	45.88	18.45	18.45		27.43	0.34	0.12	0.24	0.42		15	70	< 0.05		
	March. 31	45.88	18.95	18.95	0.00	26.93										
	April. 5	45.88	18.95	18.95	0.00	26.93										
	April. 22	45.88	18.84	18.84	0.00	27.04										
	May. 14	45.88	18.92	18.92	0.00	26.96										
	June. 17	45.88	18.90	18.90	0.00	26.98										
	June. 30	45.88	18.68	18.68	0.00	27.20										
	July. 09	45.88	18.74	18.74	0.00	27.14										
MW006	Jan. 15-2003	46.26	19.09	19.09	0.00	27.17										
	Jan. 27	46.26	19.70	19.71	0.01	26.55										
	March. 05	46.26	17.97	17.97	trace	28.29										
	March. 18	46.26	18.12	18.12	trace	28.14										

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
MW006	April. 01	46.26	17.69	17.69	0.00	28.57								
continued	April. 17	46.26	17.40	17.40	0.00	28.86								
	April. 28	46.26	18.47	18.47	0.00	27.79								
	May. 20	46.26	18.27	18.27	0.00	27.99								
	June. 03	46.26	18.17	18.17	0.00	28.09								
	June. 10	46.26	17.81	17.81	trace	28.45								
	June. 23	46.26	17.75	17.75	trace	28.51								
	July. 15	46.26	17.62	17.62	trace	28.64								
	July. 24	46.26	17.95	17.95	trace	28.31								
	August. 07													
	August. 26	46.26	18.71	18.71	trace	27.55	0.033	0.005	0.005	0.01	0.053	0.52	5.3	0.01
	Sept. 16	46.26	17.14	17.14	0.00	29.12								
	Oct. 30	46.26	18.33	18.33	0.00	27.93								
	Nov. 7	46.26	18.35	18.35	0.00	27.91								
	Nov. 20	46.26	18.53	18.53	0.00	27.73								
	Dec. 4	46.26	18.60	18.60	0.00	27.66								
	Dec. 11	46.26	18.60	18.60	0.00	27.66								
	Feb. 9, 2004	46.26	19.25	19.25	0.00	27.01								
	Feb. 19	46.26	19.25	19.25	0.00	27.01								
	March. 9	46.26	19.18	19.18		27.08	< 0.005	< 0.005	< 0.005	< 0.005		0.28	6	0.01
	March. 31	46.26	19.27	19.27	0.00	26.99								
	April. 5	46.26	18.95	18.95	0.00	27.31								
	April. 22	46.26	19.13	19.13	0.00	27.13								
	May. 14	46.26	19.10	19.10	0.00	27.16								
	June. 17	46.26	19.02	19.02	0.00	27.24								
	June. 30	Not Gauged. Blocked by equipment.												
	July. 09	Not Gauged. Blocked by equipment.												
MW007	Oct. 23-2002	45.07	18.51	18.51	trace	26.56								
	Nov. 07	45.07	18.47	18.47	trace	26.60								
	Nov. 14	45.07	18.44	18.45	0.01	26.62								
	Nov. 21	45.07	18.12	18.12	trace	26.95								
	Dec. 09	45.07	18.82	18.82	0.00	26.25								
	Dec. 19	45.07	18.44	18.45	trace	26.62								
	Dec. 27	45.07	18.38	18.38	0.00	26.69								
	Jan. 07-2003	45.07	17.93	17.93	0.00	27.14								
	Jan. 27	45.07	18.77	18.78	0.01	26.29								
	February. 10	45.07	18.92	18.92	0.00	26.15								
	March. 05	45.07	17.73	17.73	0.00	27.34								
	March. 18	45.07	17.72	17.72	0.00	27.35								
	April. 01	45.07	17.51	17.51	0.00	27.56								
	April. 17	45.07	17.26	17.26	0.00	27.81								
	April. 28	45.07	17.65	17.65	0.00	27.42								
	May. 20	45.07	17.38	17.38	0.00	27.69								
	June. 03	45.07	17.28	17.28	0.00	27.79								
	June. 10	45.07	17.04	17.04	trace	28.03								
	June. 23	45.07	16.70	16.70	0.00	28.37								
	July. 15	45.07	16.42	16.42	trace	28.65								
	July. 24	45.07	17.15	17.15	trace	27.92								
	July. 31													
	August. 26	45.07	17.77	17.79	0.02	27.28	0.69	0.028	0.35	0.24		9.5	25	< 0.05
	Sept. 16	45.07	17.55	17.55	0.00	27.52								
	Oct. 30	45.07	17.60	17.60	0.00	27.47								
	Nov. 7	45.07	17.60	17.60	0.00	27.47								
	Nov. 20	45.07	17.67	17.67	0.00	27.40								
	Dec. 4	45.07	17.70	17.70	0.00	27.37								
	Dec. 11	45.07	17.70	17.70	0.00	27.37								
	Feb. 9, 2004	45.07	18.30	18.30	0.00	26.77								
	Feb. 19	45.07	18.32	18.32	0.00	26.75								
	March. 10	45.07		18.3		26.77	1.3	0.046	0.3	0.22		9.7	20	< 0.05
	March. 31	45.07	18.30	18.30	0.00	26.77								
	April. 5	45.07	18.30	18.30	0.00	26.77								
	April. 22	45.07	16.03	16.03	0.00	29.04								
	May. 14	45.07	18.24	18.24	0.00	26.83								
	June. 17	45.07	18.05	18.05	0.00	27.02								
	June. 30	Not gauged. Blocked by equipment												
	July. 09	Not gauged. Blocked by equipment												

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
MW008	Oct. 23-2002	41.78	15.24	15.24	trace	26.54								
	Nov. 07	41.78	15.20	15.20	trace	26.58								
	Nov. 14	41.78	15.12	15.12	trace	26.66								
	Nov. 21	41.78	14.84	14.84	trace	26.94								
	Dec. 09	41.78	15.55	15.55	0.00	26.23								
	Dec. 19	41.78	15.15	15.15	0.00	26.63								
	Dec. 27	41.78	15.10	15.11	0.01	26.67								
	Jan. 07-2003	41.78	14.63	14.63	0.00	27.15								
	Jan. 27	41.78	15.46	15.47	0.01	26.31								
	February 10	41.78	15.58	15.58	0.00	26.20								
	March. 05	41.78	14.34	14.34	0.00	27.44								
	March. 18	41.78	14.34	14.34	0.00	27.44								
	April. 01	41.78	14.26	14.26	0.00	27.52								
	April. 17	41.78	14.21	14.21	0.00	27.57								
	April. 28	41.78	14.38	14.38	0.00	27.40								
	May. 20	41.78	14.08	14.08	0.00	27.70								
	June. 03	41.78	14.00	14.00	0.00	27.78								
	June. 10	41.78	13.91	13.91	trace	27.87								
	June. 23	41.78	13.41	13.41	0.00	28.37								
	July. 15	41.78	13.38	13.38	trace	28.40								
	July. 24	41.78	13.99	13.99	0.00	27.79								
	July. 31													
	August. 26	41.78	14.45	14.45	trace	27.33	0.027	0.013	0.02	0.035		4.2	190	< 0.02
	Sept. 16	41.78	14.24	14.24	0.00	27.54								
	Oct. 30	41.78	14.24	14.24	0.00	27.54								
	Nov. 7	41.78	14.25	14.25	0.00	27.53								
	Nov. 20	41.78	14.30	14.30	0.00	27.48								
	Dec. 4	41.78	14.33	14.33	0.00	27.45								
	Dec. 11	41.78	14.33	14.33	0.00	27.45								
	Feb. 9, 2004	41.78	14.76	14.76	0.00	27.02								
Feb. 19	41.78	14.76	14.76	0.00	27.02									
March. 8	41.78		14.80		26.98	< 0.005	< 0.005	0.011	0.025		3.5	240	< 0.01	
April. 5	41.78	14.96	14.96	0.00	26.82									
April. 22	41.78	14.85	14.85	0.00	26.93									
May. 14	41.78	14.93	14.93	0.00	26.85									
June. 17	41.78	15.05	15.05	0.00	26.73									
June. 30	41.78	14.86	14.86	0.00	26.92									
July. 09	41.78	18.15	18.15	0.00	23.63									
MW009	Jan. 15-2003	42.82	15.91	15.91	0.00	26.91								
	Jan. 27	42.82	16.42	16.43	0.01	26.39								
	March. 05	42.82	15.57	15.57	0.00	27.25								
	March. 18	42.82	15.43	15.43	trace	27.39								
	April. 01	42.82	15.32	15.32	0.00	27.50								
	April. 17	42.82	15.29	15.29	0.00	27.53								
	April. 28	42.82	15.39	15.39	0.00	27.43								
	May. 20	42.82	15.48	15.48	0.00	27.34								
	June. 03	42.82	15.02	15.02	0.00	27.80								
	June. 10	42.82	14.83	14.83	0.00	27.99								
	June. 23	42.82	14.41	14.41	0.00	28.41								
	July. 15	42.82	14.28	14.28	trace	28.54								
	July. 24	42.82	14.88	14.88	0.00	27.94								
	July. 31													
	August. 26	42.82	15.40	15.40	trace	27.42	0.045	0.03	3.6	4.7		19	9.3	< 0.05
	Sept. 16	42.82	15.27	15.27	0.00	27.55								
	Oct. 30	42.82	13.27	13.27	0.00	29.55								
	Nov. 7	42.82	13.27	13.27	0.00	29.55								
	Nov. 20	42.82	15.30	15.30	0.00	27.52								
	Dec. 4	42.82	15.30	15.30	0.00	27.52								
	Dec. 11	42.82	15.30	15.30	0.00	27.52								
	Feb. 9, 2004	42.82	16.80	16.80	0.00	26.02								
	Feb. 19	42.82	16.80	16.80	0.00	26.02								
	March. 09	42.82		15.92		26.90	0.054	< 0.05	1.9	2		45	14	< 0.1
April. 5	42.82	15.94	15.94	0.00	26.88									
April. 22	42.82	15.82	15.82	0.00	27.00									
May. 14	42.82	15.93	15.93	0.00	26.89									
June. 17	42.82	16.04	16.04	0.00	26.78									
June. 30	42.82	15.84	15.84	0.00	26.98									
July. 09	42.82	16.13	16.13	0.00	26.69									



Well	Date	Elevation	Depth to		Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet							Concentration expressed in mg/l							
MW010	Jan. 15-2003	46.52	19.19	19.19	0.00	27.33								
	Jan. 27	46.52	19.51	19.52	0.01	27.00								
	March. 05	46.52	19.08	19.08	trace	27.44								
	March. 18	46.52	18.74	18.75	0.01	27.77								
	April. 01	46.52	18.90	18.90	0.00	27.62								
	April. 17	46.52	18.79	18.79	0.00	27.73								
	April. 28	46.52	18.55	18.55	0.00	27.97								
	May. 20	46.52	18.58	18.58	0.00	27.94								
	June. 03	46.52	18.28	18.28	0.00	28.24								
	June. 10	46.52	18.21	18.21	trace	28.31								
	June. 23	46.52	17.82	17.82	trace	28.70								
	July. 15	46.52	17.36	17.36	trace	29.16								
	July. 24	46.52	17.90	17.90	trace	28.62								
	August. 07													
	August. 26	46.52	18.50	18.50	trace	28.02	0.33	0.03	0.056	0.13	0.546	7.4	5.5	< 0.02
	Sept. 16	46.52	18.58	18.58	0.00	27.94								
	Oct. 30	46.52	18.60	18.60	0.00	27.92								
	Nov. 7	46.52	18.60	18.60	0.00	27.92								
	Nov. 20	46.52	18.60	18.60	0.00	27.92								
	Dec. 4	46.52	18.62	18.62	0.00	27.90								
	Dec. 11	46.52	18.62	18.62	0.00	27.90								
	Feb. 9, 2004	46.52	18.80	18.80	0.00	27.72								
	Feb. 19	46.52	18.83	18.83	0.00	27.69								
	March. 09	46.52		19.19		27.33	0.27	0.027	0.045	0.01		9.7	7.4	< 0.02
April. 5	46.52	19.20	19.20	0.00	27.32									
April. 22	46.52	19.11	19.11	0.00	27.41									
May. 14	46.52	19.16	19.16	0.00	27.36									
June. 17	46.52	19.18	19.18	0.00	27.34									
June. 30	46.52	19.00	19.00	0.00	27.52									
July. 09	46.52	18.87	18.87	0.00	27.65									
MW011	Oct. 23-2002	42.76	16.58	16.67	0.09	26.09								
	Nov. 07	42.76	16.54	16.58	0.04	26.18								
	Nov. 14	42.76	16.52	16.52	trace	26.24								
	Nov. 21	42.76	16.18	16.22	0.04	26.54								
	Dec. 09	42.76	16.93	16.99	0.06	25.77								
	Dec. 19	42.76	16.52	16.52	0.00	26.24								
	Dec. 27	42.76	16.49	16.49	0.00	26.27								
	Jan. 07-2003	42.76	15.99	15.99	0.00	26.77								
	Jan. 27	42.76	16.91	16.94	0.03	25.82								
	February. 10	42.76	17.05	17.09	0.04	25.67								
	March. 05	42.76	15.78	15.78	0.00	26.98								
	March. 18	42.76	15.82	15.89	0.07	26.87								
	April. 01	42.76	15.65	15.81	0.16	26.95								
	April. 17	42.76	15.58	15.68	0.10	27.08								
	April. 28	42.76	15.76	15.83	0.07	26.93								
	May. 20	42.76	15.47	15.47	0.00	27.29								
	June. 03	42.76	15.29	15.34	0.05	27.42								
	June. 10	42.76	15.06	15.06	trace	27.70								
	June. 23	42.76	14.78	14.78	trace	27.98								
	July. 15	42.76	14.96	15.10	0.14	27.66								
	July. 24	42.76	15.23	15.70	0.47	27.06								
	July. 31													
	August. 26	42.76	15.88	16.13	0.25	26.63	Well was not sampled. Product level > 0.01'							
	Sept. 16	42.76	15.65	15.67	0.02	27.09								
	Oct. 30	42.76	15.65	15.70	0.05	27.06	Bailed. Installed boom.							
	Nov. 7	42.76	15.65	15.65	0.00	27.11								
	Nov. 20	42.76	15.77	15.77	0.00	26.99								
	Dec. 4	42.76	16.00	16.04	0.04	26.72	Bailed. Replaced boom.							
	Dec. 11	42.76	15.76	15.76	0.00	27.00								
	Feb. 9, 2004	42.76	16.25	16.25	0.00	26.51	No product. Replaced boom.							
	Feb. 19	42.76	16.27	16.27	0.00	26.49								
	March. 8													
March. 31	42.76	16.40	16.40	0.00	26.36	Well was not sampled. Product level > 0.01'								
April. 5	42.76	16.40	16.40	0.00	26.36									
April. 22	42.76	16.17	16.17	0.00	26.59	Bailed.								
May. 14	42.76	15.27	16.27	0.00	26.49	Bailed. Replaced boom.								
June. 17	42.76	16.35	16.35	0.00	26.41									
June. 30	42.76	15.42	15.42	0.00	27.34	Bailed. Replaced boom.								
July. 09	42.76	16.22	16.22	0.00	26.54	Bailed. Replaced boom.								

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet							Concentration expressed in mg/l							
MW012	Jan. 15-2003	40.81	14.22	14.22	0.00	26.59								
	Jan. 27	40.81	14.87	14.89	0.02	25.92								
	March. 05	40.81	16.21	16.21	0.00	24.60								
	March. 18	40.81	13.71	13.71	0.00	27.10								
	April. 01	40.81	13.60	13.60	0.00	27.21								
	April. 17	40.81	13.41	13.41	0.00	27.40								
	April. 28	40.81	13.32	13.32	0.00	27.49								
	March. 05	40.81	16.21	16.21	0.00	24.60								
	March. 18	40.81	13.71	13.71	0.00	27.10								
	April. 01	40.81	13.60	13.60	0.00	27.21								
	April. 17	40.81	13.41	13.41	0.00	27.40								
	April. 28	40.81	13.32	13.32	0.00	27.49								
	May. 20	40.81	13.42	13.42	0.00	27.39								
	May. 28	40.81	13.16	13.16	0.00	27.65	< 0.005	< 0.005	< 0.005	< 0.005		< 0.1	< 0.11	< 0.01
	June. 03	40.81	13.09	13.09	0.00	27.72								
	June. 10	40.81	13.20	13.20	0.00	27.61								
	June. 23	40.81	12.65	12.65	0.00	28.16								
	July. 24	40.81	13.3	13.33	0	27.48								
	July. 31													
	August. 26	40.81	13.87	13.87	trace	26.94	0.036	< 0.005	0.076	< 0.01		0.41	0.93	< 0.01
	Sept. 16	40.81	13.65	13.65	0	27.16								
	Oct. 30	40.81	13.6	13.6	0	27.21								
	Nov. 7	40.81	13.6	13.6	0	27.21								
	Nov. 13													
	Nov. 20	40.81	13.67	13.67	0	27.14	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	0.28	< 0.01
	Dec. 4	40.81	13.67	13.67	0	27.14								
	Dec. 11	40.81	13.7	13.7	0	27.11								
	Feb. 9, 2004	40.81	14.2	14.2	0	26.61								
	Feb. 19	40.81	14.25	14.25	0	26.56								
	March. 08	40.81	14.29	14.29	0	26.52	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.1
	April. 5	40.81	15.07	15.07	0	25.74								
April. 22	40.81	14.2	14.2	0	26.61									
May. 14	40.81	14.28	14.28	0	26.53									
June. 17	40.81	14.44	14.44	0	26.37									
June. 30	40.81	14.02	14.02	0	26.79									
July. 09	40.81	14.25	14.25	0	26.56									
July. 16	40.81	14.09	14.09	0	26.72	0.046	< 0.005	0.1	< 0.01	0.161	0.57	1	< 0.1	
MW013	Monitoring was discontinued in 1994 per DC-UST Division approval.													
MW014	Jan. 15-2003	41.79	14.19	14.19	0.00	27.60								
	Jan. 27	41.79	15.62	15.63	0.01	26.16								
	March. 05	41.79	12.08	12.08	0.00	29.71								
	March. 18	41.79	13.44	13.44	0.00	28.35								
	April. 01	41.79	12.32	12.32	0.00	29.47								
	April. 17	41.79	12.22	12.22	0.00	29.57								
	April. 28	41.79	13.45	13.45	0.00	28.34								
	May. 20	41.79	12.49	12.49	0.00	29.30								
	May. 28	41.79	11.00	11.00	0.00	30.79	< 0.005	< 0.005	< 0.005	< 0.005		< 0.1	< 0.1	< 0.01
	June. 03	41.79	12.20	12.20	0.00	29.59								
	June. 10	41.79	12.18	12.18	0.00	29.61								
	June. 23	41.79	11.10	11.10	0.00	30.69								
	July. 15	41.79	10.85	10.85	0.00	30.94								
	July. 24	41.79	13.86	13.86	0.00	27.93								
	August. 05													
	August. 26	41.79	14.75	14.75	trace	27.04	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.01
	Sept. 16	41.79	14.64	14.64	0.00	27.15								
	Oct. 30	41.79	14.38	14.38	0.00	27.41								
	Nov. 7	41.79	14.40	14.40	0.00	27.39								
	Nov. 13													
	Nov. 20	41.79	14.03	14.03	0.00	27.76	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.01
	Dec. 4	41.79	14.05	14.05	0.00	27.74								
	Dec. 11	41.79	14.05	14.05	0.00	27.74								
Feb. 9, 2004	41.79	13.98	13.98	0.00	27.81									
Feb. 19	41.79	14.00	14.00	0.00	27.79									
March. 10	41.79	14.44	14.44	0	27.35	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	0.2	< 0.01	
April. 5	41.79	13.56	13.56	0.00	28.23									
April. 22	41.79	14.05	14.05	0.00	27.74									
May. 14	41.79	14.74	14.74	0.00	27.05									
June. 17	41.79	15.06	15.06	0.00	26.73									

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
Values expressed in feet							Concentration expressed in mg/l							
MW014	June. 30	41.79	14.97	14.97	0.00	26.82								
continued	July. 09	41.79	14.97	14.97	0.00	26.82								
	July. 14	41.79	15.01	15.01	0.00	26.78	< 0.005	< 0.005	< 0.005	< 0.01		< 0.1	< 0.1	< 0.01
MW015	Oct. 23-2002	44.63	18.05	18.05	trace	26.58								
	Nov. 07	44.63	17.98	17.99	0.01	26.64								
	Nov. 14	44.63	17.90	17.90	trace	26.73								
	Nov. 21	44.63	17.68	17.70	0.02	26.93								
	Dec. 09	44.63	18.05	18.09	0.04	26.55								
	Dec. 19	44.63	17.81	17.81	0.00	26.82								
	Dec. 27	44.63	17.72	17.74	0.02	26.89								
	Jan. 07-2003	44.63	17.41	17.41	0.00	27.22								
	Jan. 27	44.63	17.84	17.87	0.03	26.76								
	Feb. 10	44.63	18.05	18.08	0.03	26.55								
	March. 05	44.63	17.15	17.16	0.01	27.47								
	March. 18	44.63	16.97	16.97	0.00	27.66								
	April. 01	44.63	16.81	16.81	0.00	27.82								
	April. 17	44.63	16.64	16.64	0.00	27.99								
	April. 28	44.63	16.81	16.81	0.00	27.82								
	May. 20	44.63	16.71	16.71	0.00	27.92								
	June. 03	44.63	16.53	16.53	0.00	28.10								
	June. 10	44.63	16.50	16.50	0.00	28.13								
	June. 23	44.63	15.93	15.93	trace	28.70								
	July. 15	44.63	15.90	15.90	trace	28.73								
	July. 24	44.63	16.22	16.22	0.00	28.41								
	August. 5													
	August. 26	44.63	16.80	16.80	0.00	27.83	0.026	< 0.01	0.15	0.1	0.286	5.5	95	< 0.02
	Sept. 16	44.63	61.37	16.37	0.00	28.26								
	Oct. 30	44.63	16.70	16.70	0.00	27.93								
	Nov. 7	44.63	16.70	16.70	0.00	27.93								
	Nov. 20	44.63	16.73	16.73	0.00	27.90								
	Dec. 4	44.63	16.37	16.37	0.00	28.26								
	Dec. 11	44.63	16.78	16.78	0.00	27.85								
	Feb. 9, 2004	44.63	17.22	17.22	0.00	27.41								
	Feb. 19	44.63	17.22	17.22	0.00	27.41								
	March. 10	44.63		17.40		27.23	0.041	< 0.005	< 0.04	< 0.048		6.8	180	< 0.01
	April. 5	44.63	17.33	17.33	0.00	27.30								
	April. 22	44.63	17.26	17.26	0.00	27.37								
	May. 14	44.63	17.25	17.25	0.00	27.38								
	June. 17	44.63	17.33	17.33	0.00	27.30								
	June. 30	44.63	17.35	17.35	0.00	27.28								
	July. 09	44.63	15.22	15.22	0.00	29.41								
MW016	Jan. 15-2003	44.15	16.76	16.76	0.00	27.39								
	Jan. 27	44.15	17.10	17.11	0.01	27.04								
	March. 05	44.15	16.47	16.47	0.00	27.68								
	March. 18	44.15	16.35	16.35	0.00	27.80								
	April. 01	44.15	16.11	16.11	0.00	28.04								
	April. 17	44.15	15.98	15.98	0.00	28.17								
	April. 28	44.15	16.30	16.30	0.00	27.85								
	May. 20	44.15	16.24	16.24	0.00	27.91								
	June. 03	44.15	15.93	15.93	0.00	28.22								
	June. 10	44.15	15.93	15.93	trace	28.22								
	June. 23	44.15	16.24	16.24	trace	27.91								
	July. 15	44.15	15.47	15.47	trace	28.68								
	July. 24	44.15	15.74	15.74	0	28.41								
	August. 5						0.24	0.085	0.086	0.32	0.731	9.8	3	< 0.05
	August. 26	44.15	16.34	16.34	trace	27.81								
	Sept. 16	44.15	15.74	15.74	0	28.41								
	Oct. 30	44.15	16.25	16.25	0	27.90								
	Nov. 7	44.15	16.25	16.25	0	27.90								
	Nov. 20	44.15	16.33	16.33	0	27.82								
	Dec. 4	44.15	16.37	16.37	0	27.78								
	Dec. 11	44.15	16.37	16.37	0	27.78								
	Feb. 9, 2004	44.15	16.65	16.65	0	27.50								
	Feb. 19	44.15	16.65	16.65	0	27.50								
	March. 11	44.15		16.81		27.34	0.18	0.066	0.053	0.22		8.2	2.5	< 0.05
	April. 5	44.15	17.82	17.82	0	26.33								
	April. 22	44.15	17.82	17.82	0	26.33								
	May. 14	44.15	17.8	17.8	0	26.35								

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
MW016	June. 17	44.15	17.6	17.6	0	26.55								
continued	June. 30	44.15	16.84	16.84	0	27.31								
	July. 09	44.15	16.37	16.37	0	27.78								
MW017	Jan. 15-2003	Buried under frozen dirt and could not be gauged.												
	July. 24	42.26	14.88	14.88	trace	27.38								
	August. 26	42.26	15.41	15.41	0	26.85								
	Oct. 30	42.26	15.01	15.01	0.00	27.25								
	Nov. 7	42.26	15.13	15.13	0.00	27.13								
	Nov. 20	42.26	15.07	15.07	0.00	27.19								
	Dec. 4	42.26	15.07	15.07	0.00	27.19								
	Dec. 11	42.26	15.1	15.1	0.00	27.16								
	Feb. 9, 2004	42.26	15.65	15.65	0.00	26.61								
	Feb. 19	42.26	15.67	15.67	0.00	26.59								
	April. 5	42.26	15.85	15.85	0.00	26.41								
	Not gauged. Buried under gravel.													
MW018	Jan. 15-2003	49.98	23.02	23.03	0.01	26.95								
	Jan. 27	49.98	23.09	23.10	0.01	26.88								
	March. 05	49.98	22.41	22.41	0.00	27.57								
	March. 18	49.98	22.70	22.70	0.00	27.28								
	April. 01	49.98	22.62	22.62	0.00	27.36								
	April. 17	49.98	22.52	22.52	0.00	27.46								
	April. 28	49.98	22.23	22.23	0.00	27.75								
	May. 20	49.98	22.34	22.34	0.00	27.64								
	June. 03	49.98	21.83	21.83	0.00	28.15								
	June. 10	49.98	22.02	22.02	trace	27.96								
	June. 23	49.98	22.34	22.34	0.00	27.64								
	July. 15	49.98	21.27	21.27	trace	28.71								
	July. 24	49.98	21.43	21.43	trace	28.55								
	August. 06						< 0.005	< 0.005	< 0.005	< 0.01	0.025	0.14	0.82	< 0.01
	August. 26	49.98	21.96	21.96	trace	28.02								
	Sept. 16	49.98	22.11	22.11	0.00	27.87								
	Oct. 30	49.98	22.00	22.00	0.00	27.98								
	Nov. 7	49.98	22.00	22.00	0.00	27.98								
	Nov. 20	49.98	21.95	21.95	0.00	28.03								
	Dec. 4	49.98	21.97	21.97	0.00	28.01								
	Dec. 11	49.92	22.00	22.00	0.00	27.92								
	Feb. 9, 2004	49.92	22.35	22.35	0.00	27.57								
	Feb. 19	49.92	22.30	22.30	0.00	27.62								
	March. 11	49.92	25.40	25.40		24.52	< 0.005	< 0.005	< 0.005	< 0.01		0.2	0.93	< 0.01
	April. 5	49.92	22.57	22.57	0.00	27.35								
	Monitoring discontinued in April 2004 per DC-UST division approval.													
MW019	Jan. 15-2003	46.38	19.50	19.50	0.00	26.88								
	Jan. 27	46.38	19.70	19.72	0.02	26.66								
	March. 05	46.38	18.69	18.69	0.00	27.69								
	March. 18	46.38	19.10	19.11	0.01	27.27								
	April. 01	46.38	18.96	18.96	0.00	27.42								
	April. 17	46.38	18.67	18.67	0.00	27.71								
	April. 29	46.38	18.77	18.77	0.00	27.61								
	May. 20	46.38	18.80	18.80	0.00	27.58								
	June. 03	46.38	18.51	18.51	0.00	27.87								
	June. 10	46.38	18.51	18.51	trace	27.87								
	June. 23	46.38	18.80	18.80	0.00	27.58								
	July. 15	46.38	17.80	17.80	trace	28.58								
	July. 24	46.38	18.05	18.05	0.00	28.33								
	August. 06						0.007	< 0.005	< 0.005	< 0.010	0.027	8	27	< 0.010
	August. 26	46.38	18.58	18.58	0.00	27.80								
	Oct. 30	46.38	18.60	18.60	0.00	27.80								
	Nov. 7	46.38	18.60	18.60	0.00	27.78								
	Nov. 20	46.38	18.53	18.53	0.00	27.78								
	Dec. 4	46.38	18.53	18.53	0.00	27.85								
	Dec. 11	46.38	18.53	18.53	0.00	27.85								
	Feb. 9, 2004	46.38	19.00	19.00	0.00	27.38								
	Feb. 19	46.38	19.00	19.00	0.00	27.38								
	March. 11	46.38	19.16	19.16		27.22	0.1	< 0.005	< 0.005	< 0.010		3.5	32	< 0.010
	April. 5	46.38	18.86	18.86	0.00	27.52								

Well	Date	Elevation	Depth to Product	Depth to Water	Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
Values expressed in feet							Concentration expressed in mg/l							
MW019	April. 22	46.38	18.66	18.66	0.00	27.52								
continued	May. 14	46.38	19.15	19.15	0.00	27.23								
	June. 17	46.38	19.27	19.27	0.00	27.11								
	June. 30	46.38	19.27	19.27	0.00	27.11								
	July. 09	46.38	19.25	19.25	0.00	27.13								
MW020	Jan.15-2003	46.09	19.22	19.22	0.00	26.87								
	Jan. 27	46.09	19.43	19.44	0.01	26.65								
	March. 05	46.09	17.98	17.98	0.00	28.11								
	March. 18	46.09	18.81	18.81	0.00	27.28								
	April. 01	46.09	18.01	18.01	0.00	28.08								
	April. 17	46.09	17.89	17.89	0.00	28.20								
	April. 29	46.09	18.48	18.48	0.00	27.61								
	May. 20	46.09	18.53	18.53	0.00	27.56								
	June. 03	46.09	18.28	18.28	0.00	27.81								
	June. 10	46.09	18.20	18.20	0.00	27.89								
	June. 23	46.09	18.53	18.53	0.00	27.56								
	July. 15	46.09	17.51	17.51	trace	28.58								
	July. 24	46.09	17.77	17.77	0.00	28.32								
	August. 06													
	August. 26	46.09	18.30	18.30	trace	27.79	0.012	< 0.005	< 0.005	< 0.01	0.032	2	2.6	< 0.01
	Sept. 16	46.09	18.4	18.4	0	27.69								
	Oct. 30	46.09	18.3	18.3	0	27.79								
	Nov. 7	46.09	18.3	18.3	0	27.79								
	Nov. 20	46.09	18.24	18.24	0	27.85								
	Dec. 4	46.09	18.25	18.25	0	27.84								
	Dec. 11	46.09	18.25	18.25	0	27.84								
	Feb. 9, 2004	46.09	18.73	18.73	0	27.36								
	Feb. 19	46.09	18.75	18.75	0	27.34								
	March. 11	46.09	18.89	18.89		27.2	< 0.005	< 0.005	< 0.005	< 0.01		1.5	1.1	< 0.01
	April. 5	46.09	19.16	19.16	0	26.93								
	April. 22	46.09	19.16	19.16	0	26.93								
	May. 14	46.09	18.9	18.9	0	27.19								
	June. 17	46.09	19.05	19.05	0	27.04								
	June. 30	46.09	19	19	0	27.09								
	July. 09	46.09	18.77	18.77	0	27.32								
MW021	Monitoring was discontinued in 1994 per DC-UST Division approval. Buried under asphalt.													
MW022	Jan.15-2003	47.37	20.5	20.5	0	26.87								
	Monitoring discontinued in February 2003 per DC-UST Division approval.													
MW023	June.10-2003	43.98	16.28	16.28	0	27.70								
	June. 23	43.98	16.67	16.67	0	27.31								
	July. 15	43.98	15.53	15.53	0	28.45								
	July. 24	43.98	15.79	15.79	0	28.19								
	August. 05						< 0.005	< 0.005	0.043	< 0.01		0.79	31	< 0.01
	August. 26	43.98	16.4	16.4	0	27.58								
	Nov. 7	43.98	16.95	16.95	0	27.03								
	Nov. 20	43.98	16.35	16.35	0	27.63								
	Dec. 4	43.98	16.4	16.4	0	27.58								
	Dec. 11	43.98	16.44	16.44	0	27.54								
	Feb. 9, 2004	43.98	16.75	16.75	0	27.23								
	Feb. 19	43.98	16.75	16.75	0	27.23								
	March. 10	43.98		17		26.98	< 0.006	< 0.005	< 0.016	< 0.010		1.3	2.1	< 0.01
	April. 5	43.98	18.88	18.88	0	25.1								
	Well is full of mud. GVP06 is used in place of this well for monitoring.													
MW024	Oct. 23-2002	44.99	18.80	18.80	trace	26.19								
	Nov. 07	44.99	18.73	18.73	0.00	26.26								
	Nov. 14	Blocked - No gauging												
	Nov. 21	44.99	18.48	18.48	0.00	26.51								
	Dec. 09	44.99	18.65	18.65	0.00	26.34								
	Dec. 19	44.99	18.49	18.49	0.00	26.50								
	Dec. 27	44.99	18.40	18.40	0.00	26.59								
	Jan. 07-2003	44.99	18.17	18.17	0.00	26.82								
	Jan. 27	44.99	18.35	18.37	0.02	26.62								
	March. 05	44.99	16.31	16.31	0.00	28.68								

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet						Concentration expressed in mg/l								
MW024	March. 18	44.99	17.67	17.67	0.00	27.32								
continued	April. 01	44.99	22.62	22.62	0.00	22.37								
	April. 17	44.99	17.30	17.30	0.00	27.69								
	April. 28	44.99	17.40	17.40	0.00	27.59								
	May. 20	44.99	17.39	17.39	0.00	27.60								
	June. 03	44.99	16.90	16.90	0.00	28.09								
	June. 10	44.99	17.03	17.03	trace	27.96								
	June. 23	44.99	17.39	17.39	trace	27.60								
	July. 15	44.99	16.47	16.47	trace	28.52								
	July. 24	44.99	16.76	16.73		28.26								
	August. 06													
	August. 26	44.99	17.31	17.31	trace	27.68	0.02	ND	0.0063	ND		1.6	70	ND
	Sept. 16	44.99	17.35	17.35	0.00	27.64								
	Oct. 30	44.99	17.30	17.30	0.00	29.40								
	Nov. 7	44.99	17.30	17.30	0.00	27.73								
	Nov. 20	44.99	17.30	17.30	0.00	29.56								
	Dec. 4	44.99	17.30	17.30	0.00	29.85								
	Dec. 11	44.99	17.32	17.32	0.00	30.02								
	Feb. 9, 2004	44.99	17.76	17.76	0.00	27.23								
	Feb. 19	44.99	17.75	17.75	0.00	27.24								
	March. 10	44.99		17.95		27.04	< 0.019	< 0.005	< 0.0097	< 0.010		0.94	64	< 0.010
	April. 5	44.99	17.83	17.83	0.00	30.27								
	April. 22	44.99	17.83	17.83	0.00	30.27								
	May. 14	44.99	17.82	17.82	0.00	30.96								
	June. 17	44.99	17.87	17.87	0.00	30.96								
	June. 30	44.99	17.95	17.95	0.00	27.04								
	July. 09	44.99	17.83	17.83	0.00	27.16								
MW025	Jan. 15-2003	42.47	15.58	15.59	0.01	26.88								
	Jan. 27	42.47	17.25	17.26	0.01	25.21								
	March. 05	42.47	15.43	15.43	0.00	27.04								
	March. 18	42.47	15.14	15.14	0.00	27.33								
	April. 01	42.47	14.97	14.97	0.00	27.50								
	April. 17	42.47	14.81	14.81	0.00	27.66								
	April. 28	42.47	15.13	15.13	0.00	27.34								
	May. 20	42.47	14.83	14.83	0.00	27.64								
	June. 03	42.47	14.72	14.72	0.00	27.75								
	June. 10	42.47	14.43	14.43	trace	28.04								
	June. 23	42.47	14.14	14.14	trace	28.33								
	July. 15	42.47	14.03	14.03	trace	28.44								
	July. 24	42.47	14.60	14.60	trace	27.87								
	August. 07													
	August. 26	42.47	15.30	15.30	trace	27.17	1.4	0.13	< 0.05	0.17	0.175	4.6	42	< 0.1
	Sept. 16	42.47	15.04	15.04	0.00	27.43								
	Oct. 30	42.47	15.08	15.08	0.00	27.39								
	Nov. 7	42.47	15.10	15.10	0.00	27.37								
	Nov. 20	42.47	14.95	14.95	0.00	27.52								
	Dec. 4	42.47	15.00	15.00	0.00	27.47								
	Dec. 11	42.47	15.00	15.00	0.00	27.47								
	Feb. 9, 2004	42.47	15.58	15.58	0.00	26.89								
	Feb. 19	42.47	15.60	15.60	0.00	26.87								
	March. 10	42.27		15.73		26.54	1	< 0.033	< 0.010	0.063		4.8	16	< 0.02
	April. 5	42.47	15.75	15.75	0.00	26.72								
	April. 22	42.47	15.55	15.55	0.00	26.92								
	May. 14	42.47	15.72	15.72	0.00	26.75								
	June. 17	42.47	16.03	16.03	0.00	26.44								
	June. 30	42.47	15.37	15.37	0.00	27.10								
	July. 09	42.47	15.62	15.62	0.00	26.85								
MW026	Jan. 15-2003	45.17	17.08	17.08	0.00	28.09								
	Jan. 27	45.17	17.72	17.73	0.01	27.44								
	March. 05	45.17	16.62	16.62	0.00	28.55								
	March. 18	45.17	16.60	16.60	0.00	28.57								
	April. 01	45.17	15.03	15.03	0.00	30.14								
	April. 17	45.17	14.91	14.91	0.00	30.26								
	April. 28	45.17	16.62	16.62	0.00	28.55								
	May. 20	45.17	16.85	16.85	0.00	28.32								
	May. 28	45.17	16.02	16.02	0.00	29.15	< 0.005	< 0.005	< 0.005	< 0.005		0.22	0.18	< 0.01
	June. 03	45.17	16.70	16.70	0.00	28.47								
	June. 10	45.17	16.50	16.50	trace	28.67								

Well	Date	Elevation	Depth to		Product Thickness	Water Elevation	Benzene	Toluene	Ethyl Benzene	Xylenes	BTEX	GRO	DRO	MTBE
			Product	Water										
Values expressed in feet						Concentration expressed in mg/l								
MW026	June. 23	45.17	15.59	15.59	trace	29.58								
continued	July. 15	45.17	16.10	16.10	trace	29.07								
	July. 24	45.17	16.17	16.17	trace	29.00								
	July. 31													
	August. 26	45.17	16.73	16.73	trace	28.44	< 0.005	< 0.005	0.022	< 0.021		0.47	1.1	< 0.01
	Sept. 16	45.17	16.48	16.48	0.00	28.69								
	Oct. 30	45.17	16.45	16.45	0.00	28.72								
	Nov. 7	45.17	16.45	16.45	0.00	28.72								
	Nov. 13													
	Nov. 20	45.17	16.55	16.55	0.00	28.62	< 0.005	< 0.005	< 0.005	< 0.01		0.21	0.51	< 0.01
	Dec. 4	45.17	16.58	16.58	0.00	28.59								
	Dec. 11	45.17	16.60	16.60	0.00	28.57								
	Feb. 9, 2004	45.17	16.67	16.67	0.00	28.50								
	Feb. 19	45.17	16.67	16.67	0.00	28.50								
	March. 29	45.17	17.40	17.40		27.77	0.0066	< 0.005	< 0.005	< 0.01		0.57	0.6	< 0.01
	April. 5	45.17	17.00	17.00	0.00	28.17								
	April. 22	45.17	17.06	17.06	0.00	28.11								
	May. 14	45.17	17.04	17.04	0.00	28.13								
	June. 17	45.17	17.17	17.17	0.00	28.00								
	June. 30	45.17	17.16	17.16	0.00	28.01								
	July. 09	45.17	16.86	16.86	0.00	28.31								
	August. 05						< 0.005	< 0.005	< 0.005	< 0.001		0.21	0.3	< 0.01
MW027	Jan. 15-2003	43.90	16.79	16.79	0.00	27.11								
	Jan. 27	43.90	17.38	17.39	0.01	26.51								
	March. 05	43.90	16.34	16.34	0.00	27.56								
	March. 18	43.90	16.29	16.29	0.00	27.61								
	April. 01	43.90	16.10	16.10	0.00	27.80								
	April. 17	43.90	16.03	16.03	0.00	27.87								
	April. 28	43.90	16.28	16.28	0.00	27.62								
	May. 20	43.90	16.00	16.00	0.00	27.90								
	June. 03	43.90	15.71	15.71	0.00	28.19								
	June. 10	43.90	15.78	15.78	trace	28.12								
	June. 23	43.90	15.28	15.28	trace	28.62								
	July. 15	43.90	15.34	15.34	trace	28.56								
	July. 24	43.90	15.83	15.83	0.00	28.07								
	July. 31													
	August. 26	43.90	16.38	16.38	0.00	27.52	< 0.025	0.026	0.31	0.35	0.35	4.3	3.8	< 0.05
	Sept. 16	43.90	16.17	16.17	0.00	27.73								
	Oct. 30	43.90	16.17	16.17	0.00	27.73								
	Nov. 7	43.90	16.19	16.19	0.00	27.71								
	Nov. 20	43.90	16.25	16.25	0.00	27.65								
	Dec. 4	43.90	16.27	16.27	0.00	27.63								
	Dec. 11	43.90	16.25	16.25	0.00	27.65								
	Feb. 9, 2004	43.90	16.72	16.72	0.00	27.18								
	Feb. 19	43.90	16.70	16.70	0.00	27.20								
	March. 8	43.90		16.84		27.06	< 0.017	< 0.012	< 0.019	< 0.049		1.8	2	< 0.010
	April. 5	43.90	16.67	16.67	0.00	27.23								
	April. 22	43.90	16.77	16.77	0.00	27.13								
	June. 17	43.90	16.97	16.97	0.00	26.93								
	June. 30	43.90	16.78	16.78	0.00	27.12								
	July. 09	43.90	16.84	16.84	0.00	27.06								
MW028	Jan. 15-2003	43.96	16.72	16.72	0.00	27.24								
	Jan. 27	43.96	17.85	17.86	0.01	26.10								
	March. 05	43.96	16.36	16.36	0.00	27.60								
	March. 18	43.96	16.28	16.28	0.00	27.68								
	April. 01	43.96	16.15	16.15	0.00	27.81								
	April. 17	43.96	15.86	15.86	0.00	28.10								
	April. 28	43.96	16.25	16.25	0.00	27.71								
	May. 20	43.96	16.05	16.05	0.00	27.91								
	June. 03	43.96	15.80	15.80	0.00	28.16								
	June. 10	43.96	15.75	15.75	trace	28.21								
	June. 23	43.96	15.30	15.30	trace	28.66								
	July. 15	43.96	15.30	15.30	trace	28.66								
	July. 24	43.96	15.75	15.75	trace	28.21								
	July. 31													
	August. 26	43.96	16.35	16.35	trace	27.61	0.025	< 0.025	0.68	0.67		6.4	83	< 0.05
	Sept. 16	43.96	16.17	16.17	0.00	27.79								
	Oct. 30	43.96	16.15	16.15	0.00	27.81								

Well	Date	Elevation	Depth to	Depth to	Product	Water	Benzene	Toluene	Ethyl	Xylenes	BTEX	GRO	DRO	MTBE	
			Product	Water	Thickness	Elevation									
			Values expressed in feet				Concentration expressed in mg/l								
MW028	Nov. 7	43.96	16.15	16.15	0.00	27.81									
continued	Nov. 20	43.96	16.18	16.18	0.00	27.78									
	Dec. 4	43.96	16.20	16.20	0.00	27.76									
	Dec. 11	43.96	16.20	16.20	0.00	27.76									
	Feb. 9, 2004	43.96	17.03	17.03	0.00	26.93									
	Feb. 19	43.96	17.05	17.05	0.00	26.91									
	March. 09	43.96		16.85		27.11	< 0.021	< 0.016	0.3	0.15		5.1	28	< 0.020	
	April. 5	43.96	17.64	17.64	0.00	26.32									
	April. 22	43.96	16.72	16.72	0.00	27.24									
	May. 14	43.96	16.80	16.80	0.00	27.16									
	June. 17	43.96	17.03	17.03	0.00	26.93									
	June. 30	43.96	16.80	16.80	0.00	27.16									
	July. 09	43.96	16.95	16.95	0.00	27.01									
Note: Trace means the tape beeped, but there was not enough product to be measured.															



## **APPENDIX C**

### **Site History**



**Buzzard Point**

S Street SW/1st Street SW  
Washington, DC 20024

Inquiry Number: 3660997.5  
July 10, 2013

## The EDR Aerial Photo Decade Package

# EDR Aerial Photo Decade Package

Environmental Data Resources, Inc. (EDR) Aerial Photo Decade Package is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's professional researchers provide digitally reproduced historical aerial photographs, and when available, provide one photo per decade.

**When delivered electronically by EDR, the aerial photo images included with this report are for ONE TIME USE ONLY. Further reproduction of these aerial photo images is prohibited without permission from EDR. For more information contact your EDR Account Executive.**

***Thank you for your business.***

Please contact EDR at 1-800-352-0050  
with any questions or comments.

## **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## Date EDR Searched Historical Sources:

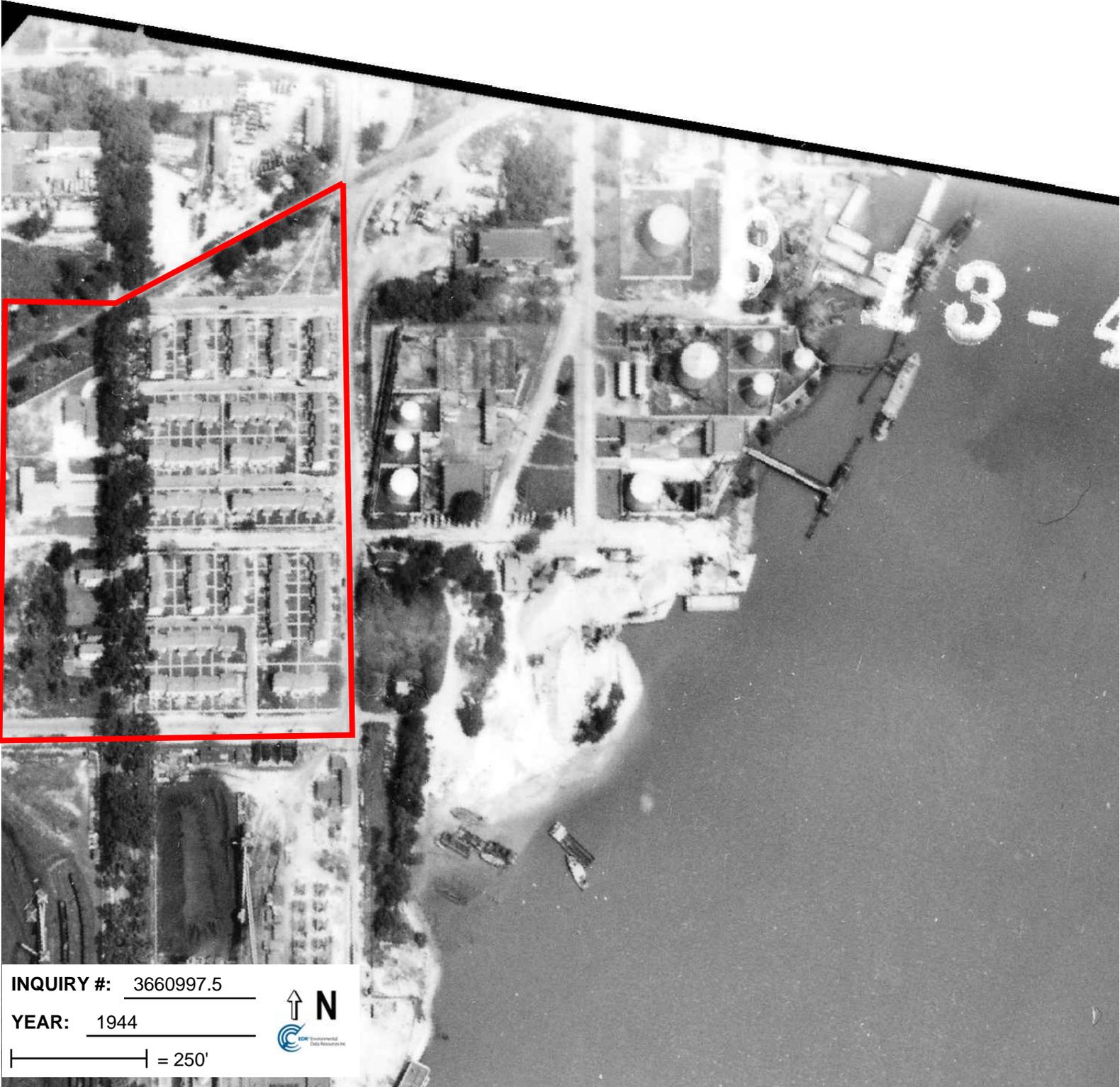
Aerial Photography July 10, 2013

### Target Property:

S Street SW/1st Street SW

Washington, DC 20024

<u>Year</u>	<u>Scale</u>	<u>Details</u>	<u>Source</u>
1944	Aerial Photograph. Scale: 1"=250'	Panel #: 38077-G1, Alexandria, VA; Flight Date: August 13, 1944	EDR
1949	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Date: March 04, 1949	EDR
1951	Aerial Photograph. Scale: 1"=250'	Panel #: 38077-G1, Alexandria, VA; Flight Date: July 05, 1951	EDR
1957	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Date: July 25, 1957	EDR
1963	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Date: October 15, 1963	EDR
1968	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Date: October 31, 1968	EDR
1970	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Date: September 01, 1970	EDR
1977	Aerial Photograph. Scale: 1"=1000'	Panel #: 38077-G1, Alexandria, VA; Flight Date: March 16, 1977	EDR
1983	Aerial Photograph. Scale: 1"=150'	Panel #: 38077-G1, Alexandria, VA; Flight Date: July 09, 1983	EDR
1988	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; DOQQ - acquisition dates: April 05, 1988	EDR
1994	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA; Flight Date: March 17, 1994	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA; Flight Date: February 09, 1998	EDR
2000	Aerial Photograph. Scale: 1"=750'	Panel #: 38077-G1, Alexandria, VA; Flight Date: March 24, 2000	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Year: 2005	EDR
2007	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Year: 2007	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Year: 2009	EDR
2011	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Year: 2011	EDR
2012	Aerial Photograph. Scale: 1"=500'	Panel #: 38077-G1, Alexandria, VA; Flight Year: 2012	EDR



**INQUIRY #:** 3660997.5

**YEAR:** 1944

| = 250'





INQUIRY #: 3660997.5

YEAR: 1949

| = 500'



INQUIRY #: 3660997.5

YEAR: 1951

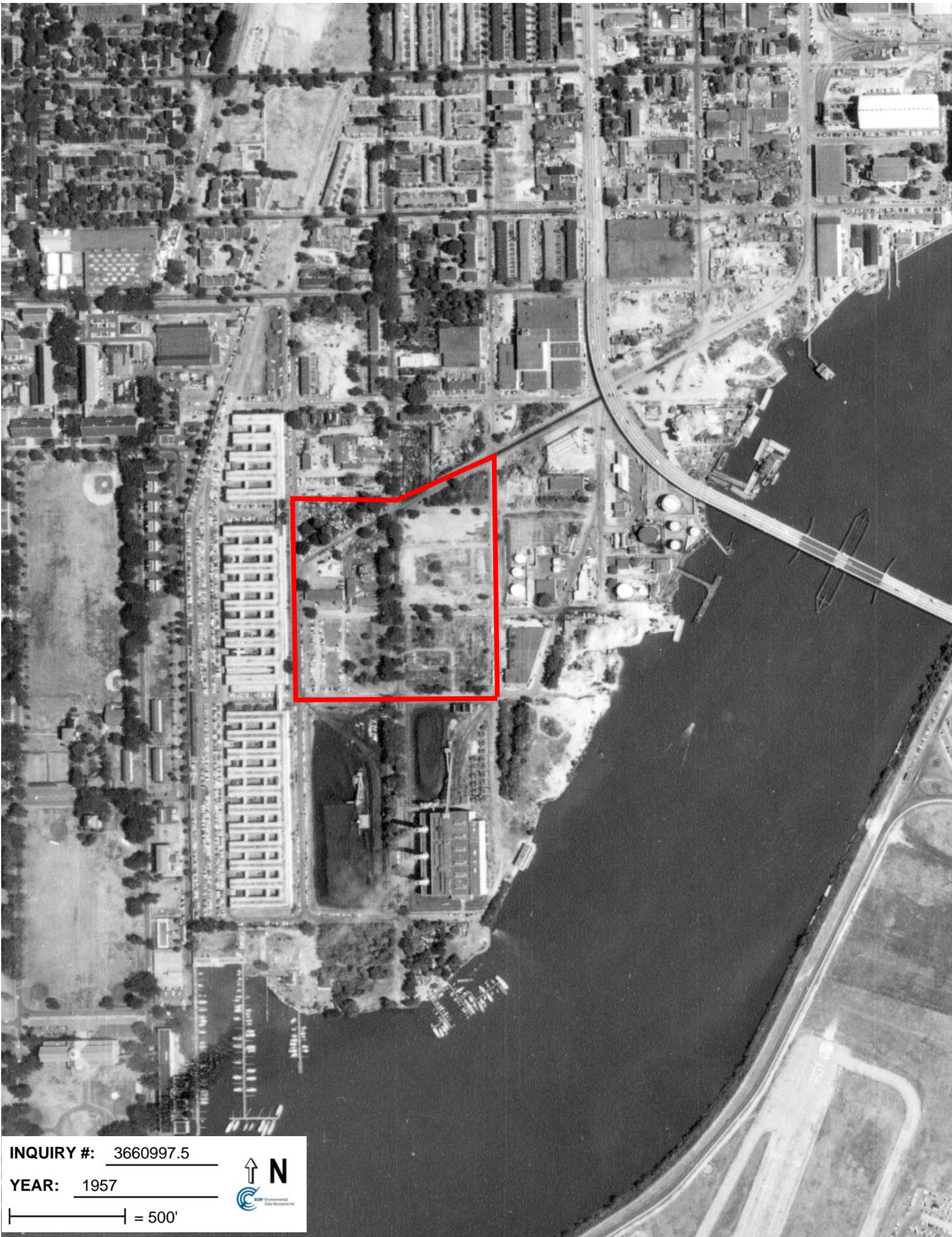


| = 250'



DC WAS

1820



INQUIRY #: 3660997.5

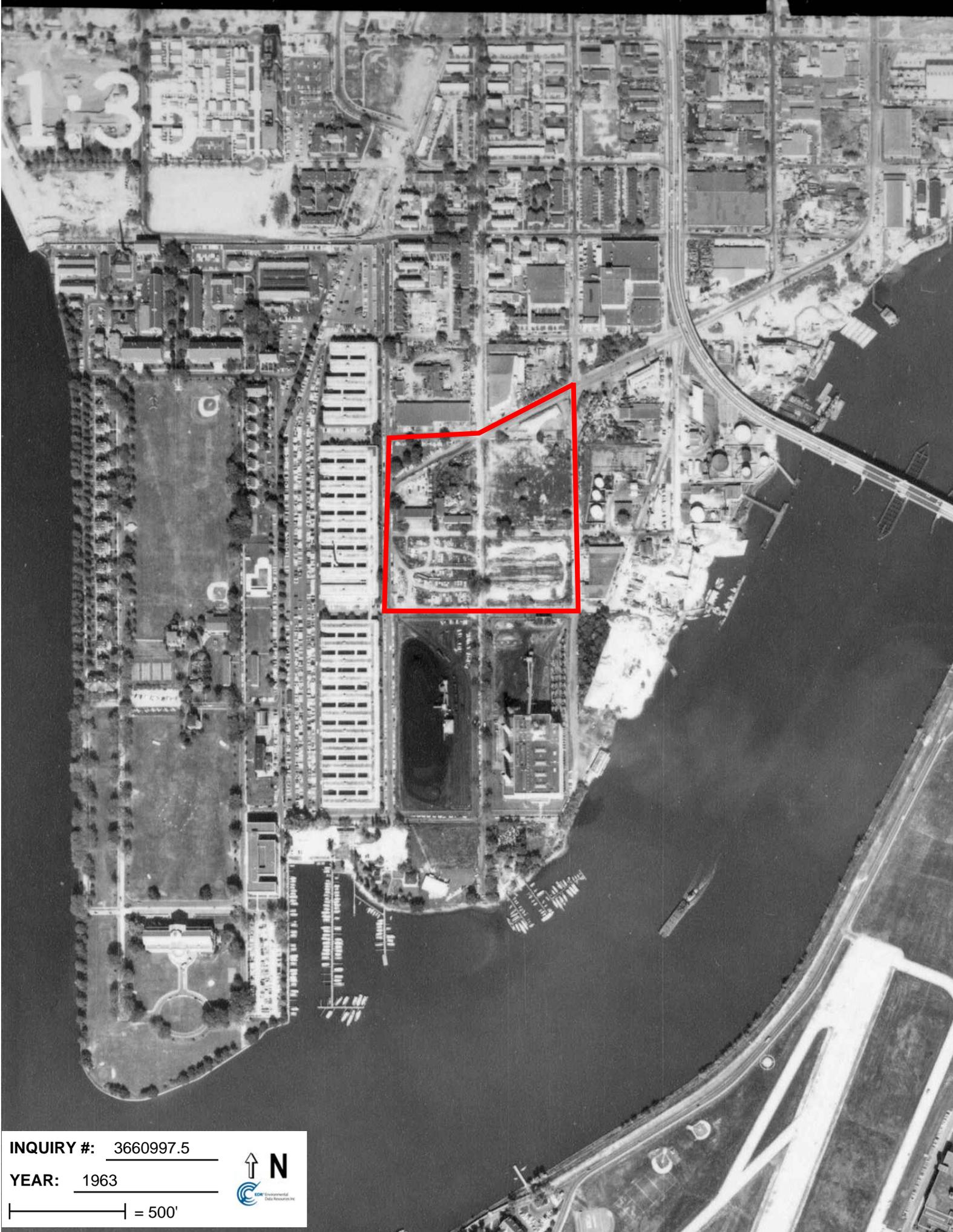
YEAR: 1957

| = 500'



Environmental Data Resources





**INQUIRY #:** 3660997.5

**YEAR:** 1963

— = 500'



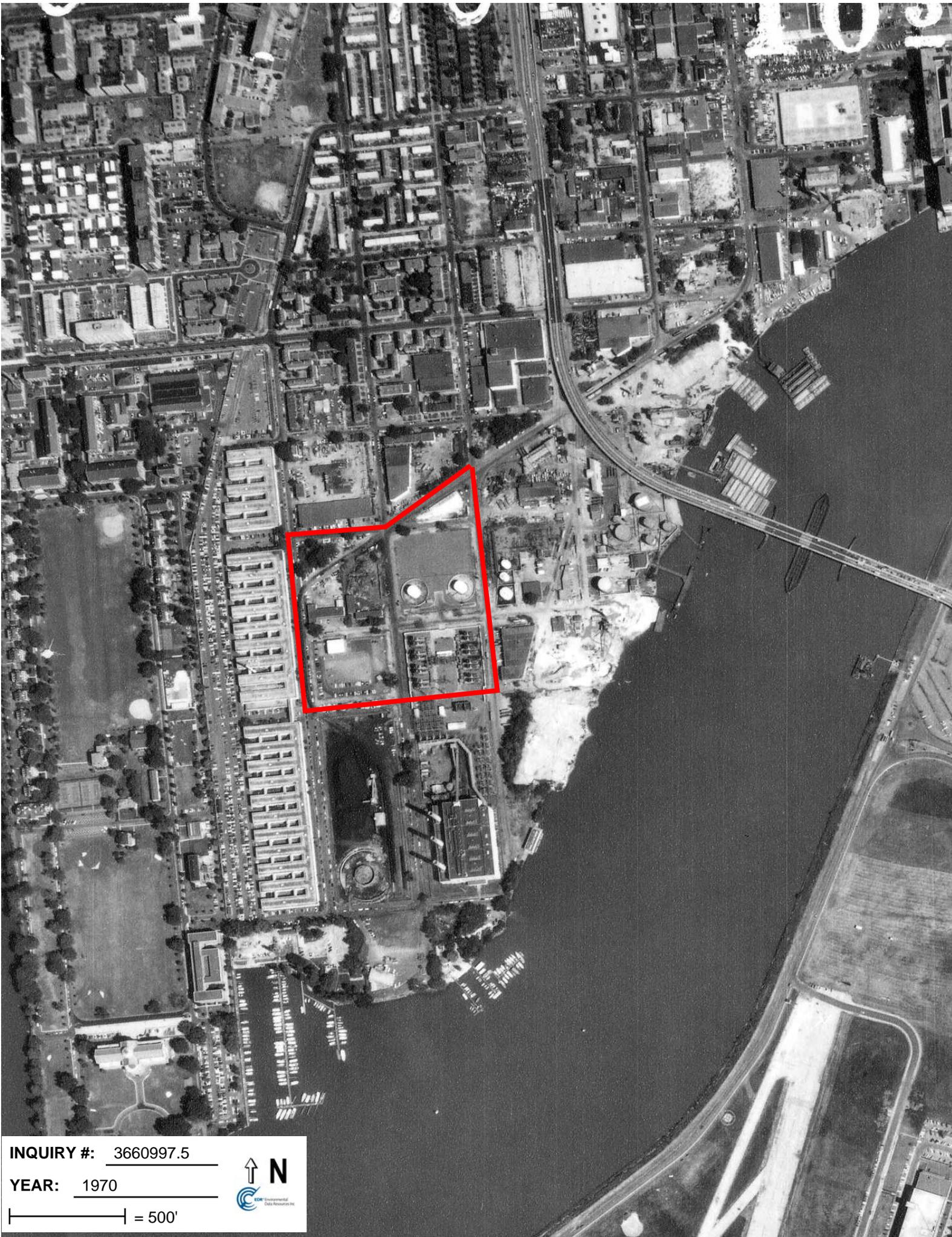


INQUIRY #: 3660997.5

YEAR: 1968

| = 500'





**INQUIRY #:** 3660997.5

**YEAR:** 1970

 = 500'





INQUIRY #: 3660997.5

YEAR: 1977

| = 1000'





**INQUIRY #:** 3660997.5

**YEAR:** 1983

| = 150'





INQUIRY #: 3660997.5

YEAR: 1988

| = 500'





**INQUIRY #:** 3660997.5

**YEAR:** 1994

|—————| = 750'





INQUIRY #: 3660997.5

YEAR: 1998

| = 750'







**INQUIRY #:** 3660997.5

**YEAR:** 2000

— = 750'





**INQUIRY #:** 3660997.5

**YEAR:** 2005

|—————| = 500'





**INQUIRY #:** 3660997.5

**YEAR:** 2007

 = 500'



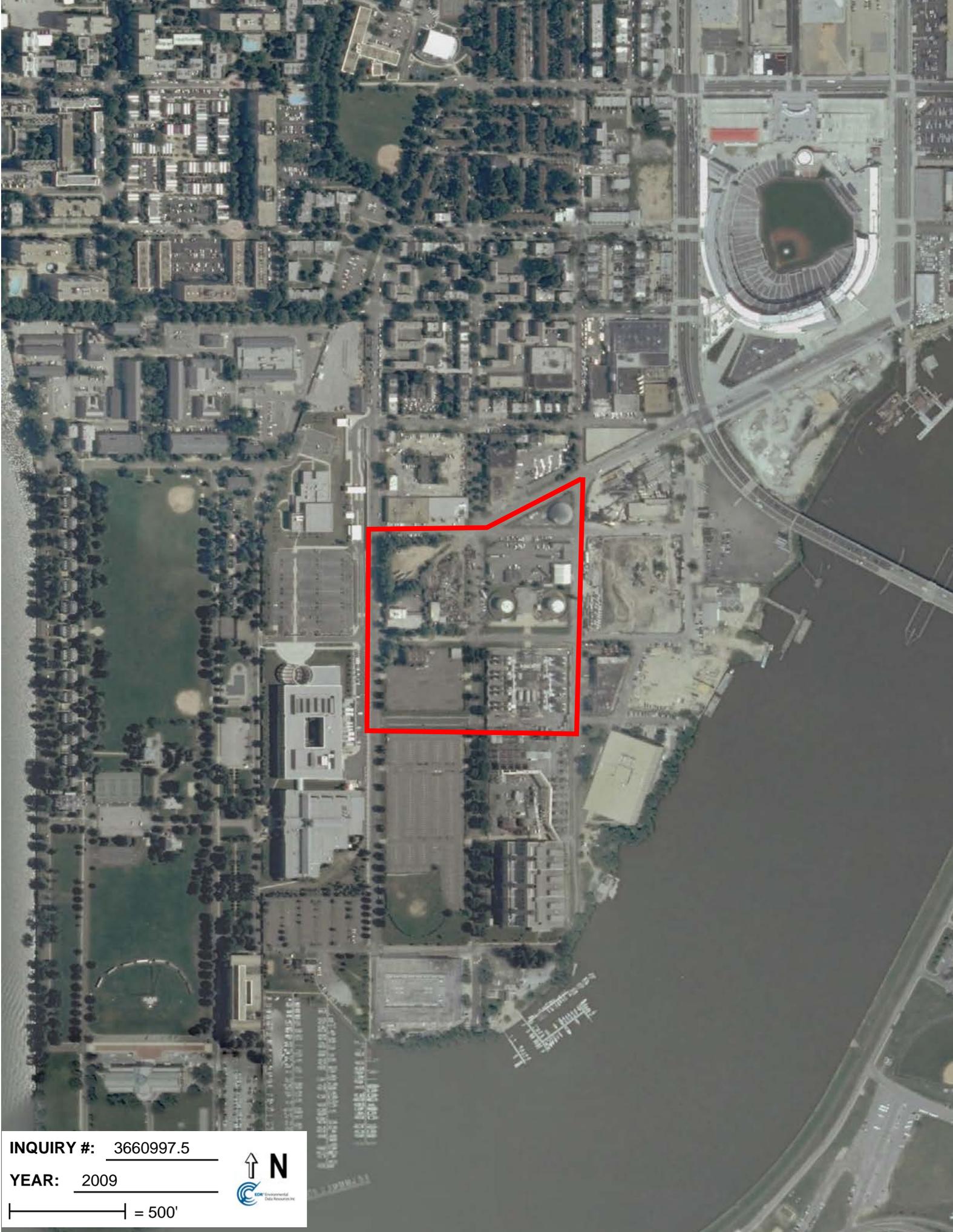


**INQUIRY #:** 3660997.5

**YEAR:** 2008

 = 500'





**INQUIRY #:** 3660997.5

**YEAR:** 2009

 = 500'



 CDM Environmental Data Resources

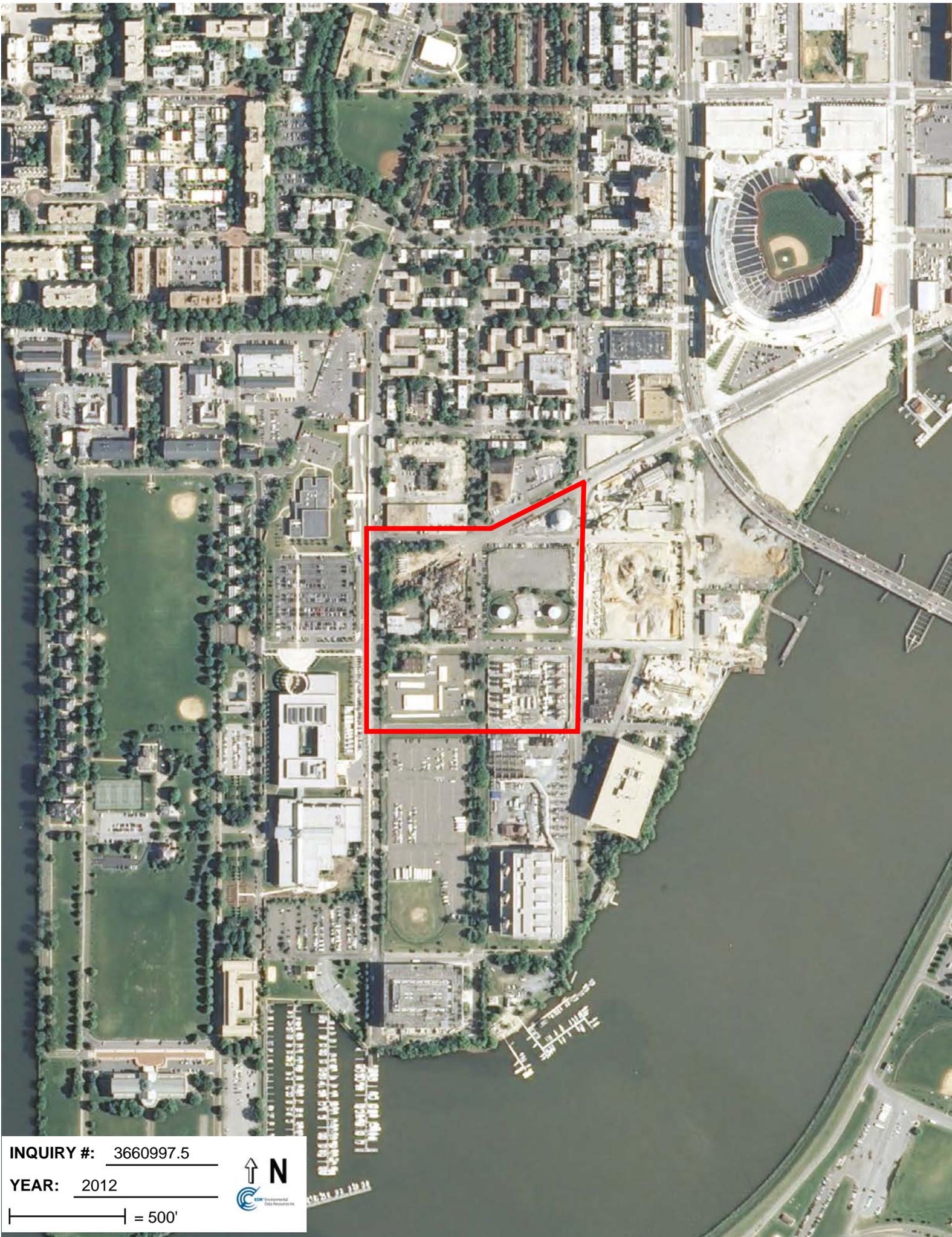


**INQUIRY #:** 3660997.5

**YEAR:** 2011

| = 500'





INQUIRY #: 3660997.5

YEAR: 2012

| = 500'





**Buzzard Point**

S Street SW/1st Street SW  
Washington, DC 20024

Inquiry Number: 3660997.3  
July 11, 2013

## Certified Sanborn® Map Report



# Certified Sanborn® Map Report

7/11/13

**Site Name:**

Buzzard Point  
S Street SW/1st Street SW  
Washington, DC 20024

**Client Name:**

Haley & Aldrich, Inc.  
465 Medford Street  
Boston, MA 02129



EDR Inquiry # 3660997.3

Contact: Kristen Wright-Ng

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Haley & Aldrich, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Buzzard Point  
**Address:** S Street SW/1st Street SW  
**City, State, Zip:** Washington, DC 20024  
**Cross Street:**  
**P.O. #** 40223-001  
**Project:** Buzzard Point  
**Certification #** 7209-40E4-9105



Sanborn® Library search results  
Certification # 7209-40E4-9105

**Maps Provided:**

1998	1984
1994	1977
1992	1959
1991	1928
1990	
1988	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

*The Sanborn Library LLC Since 1866™*

**Limited Permission To Make Copies**

Haley & Aldrich, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

**Disclaimer - Copyright and Trademark notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## Sanborn Sheet Thumbnails

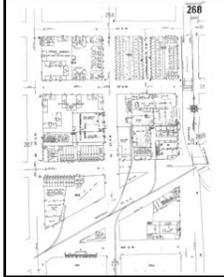
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



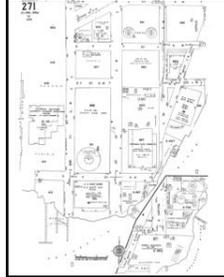
### 1998 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

### 1994 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

### 1992 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

### 1991 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1990 Source Sheets**



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1988 Source Sheets**



Volume 2, Sheet 262



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1984 Source Sheets**



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1977 Source Sheets**



Volume 2, Sheet 262

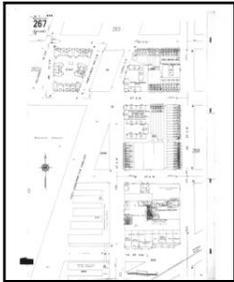


Volume 2, Sheet 267



Volume 2, Sheet 268

**1959 Source Sheets**

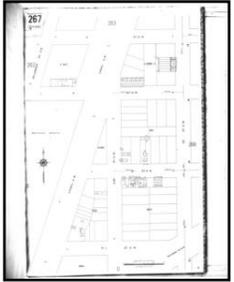


Volume 2, Sheet 267

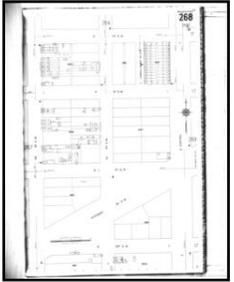


Volume 2, Sheet 268

**1928 Source Sheets**



Volume 2, Sheet 267



Volume 2, Sheet 268

# 1998 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1998

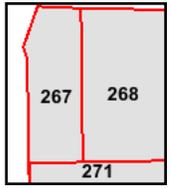
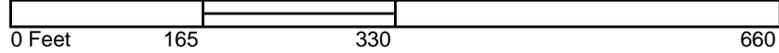


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



# 1994 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry #: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1994

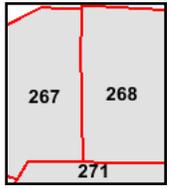
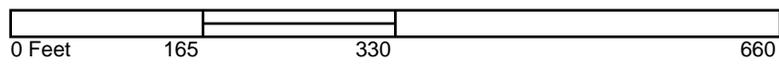


The certified Sanborn Map search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



# 1992 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1992

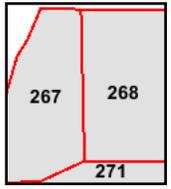
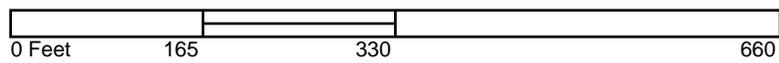


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



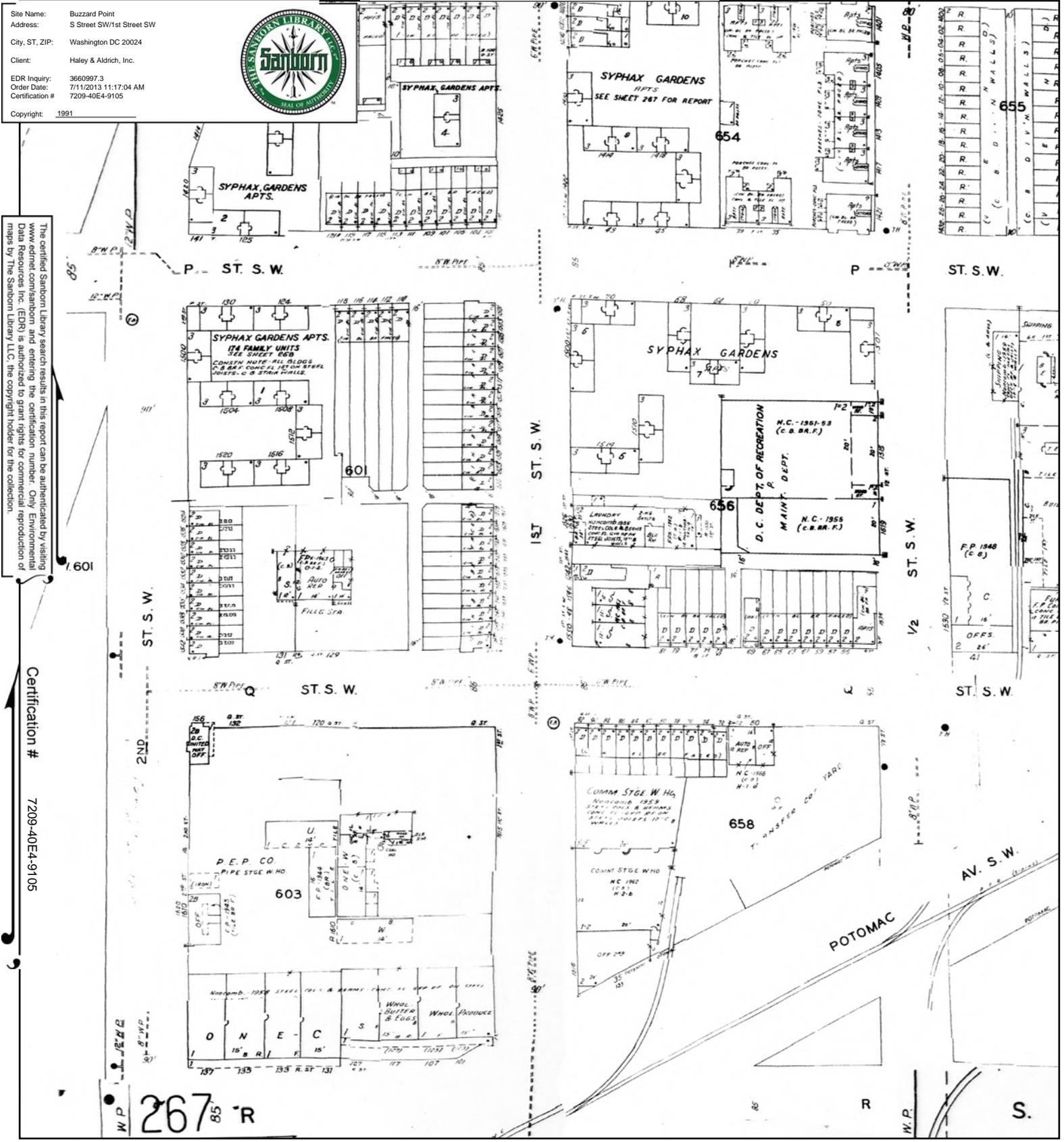
# 1991 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1991

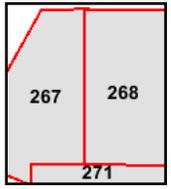
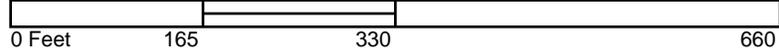


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271





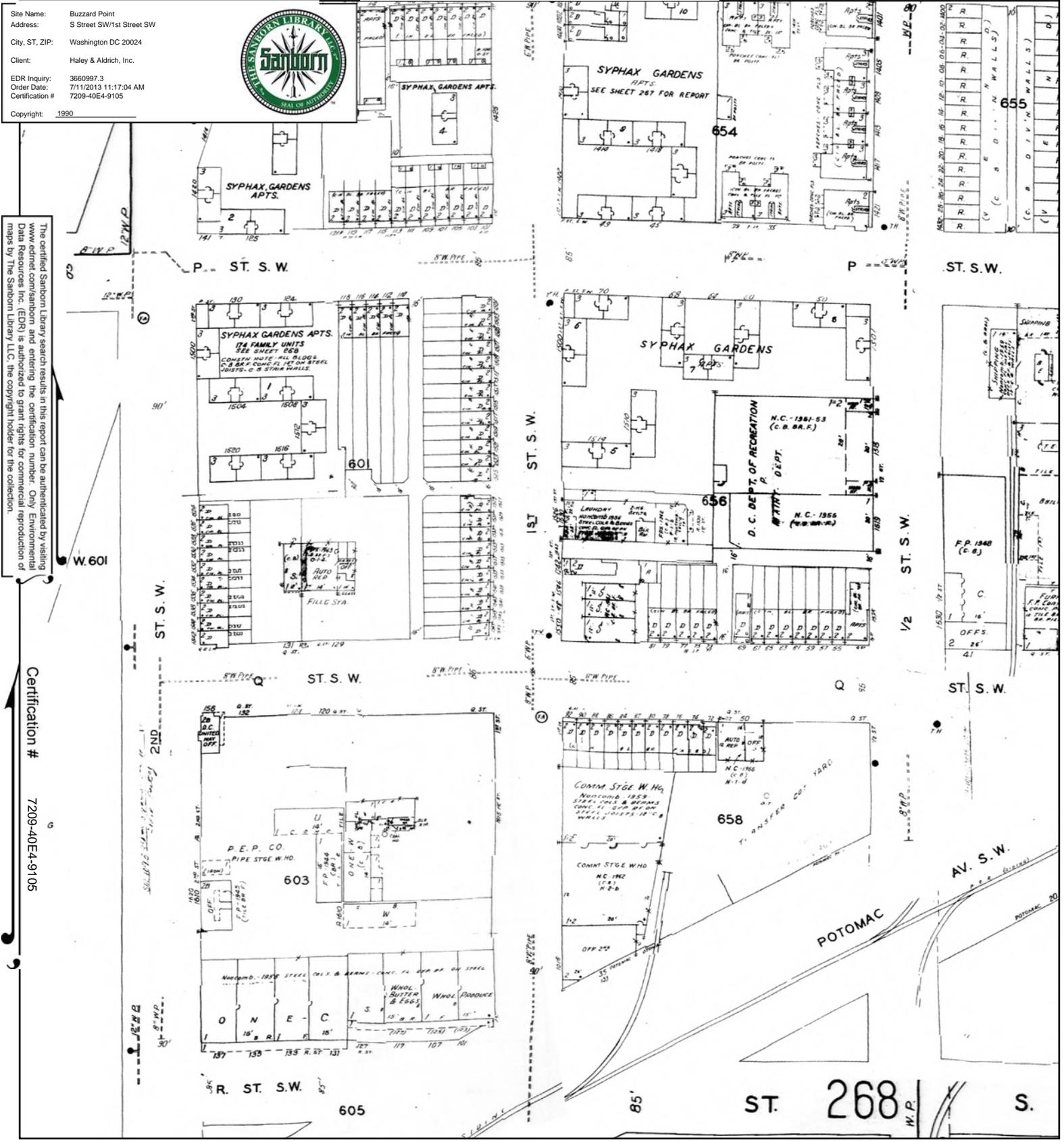
# 1990 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1990

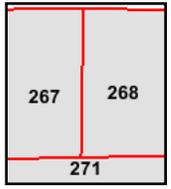
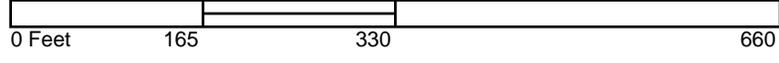


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



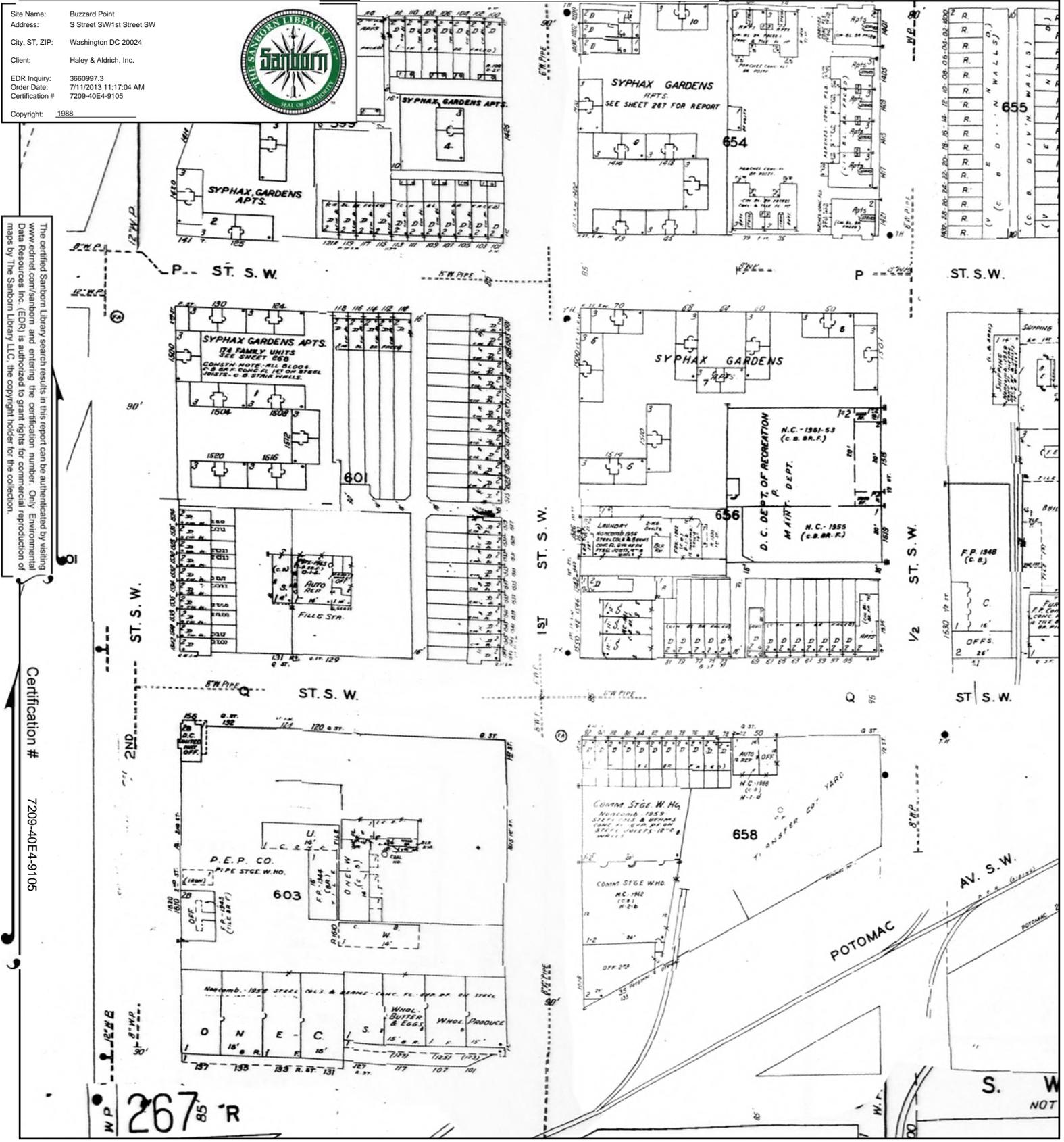
# 1988 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1988

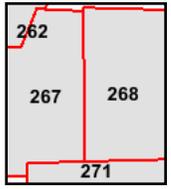
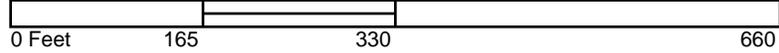


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



- Volume 2, Sheet 262
- Volume 2, Sheet 267
- Volume 2, Sheet 268
- Volume 2, Sheet 271



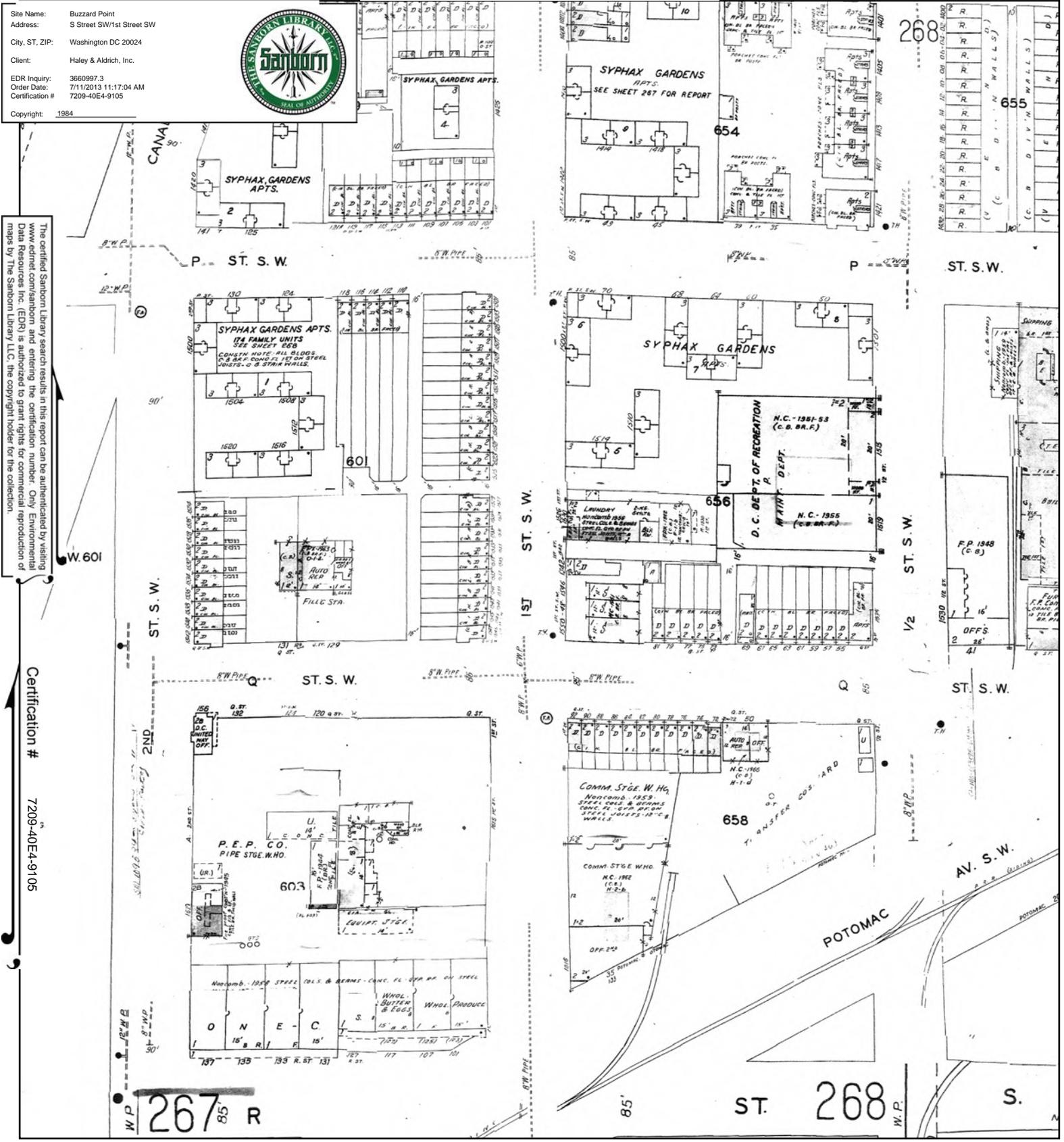
# 1984 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1984

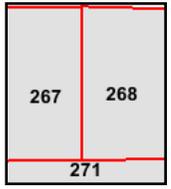
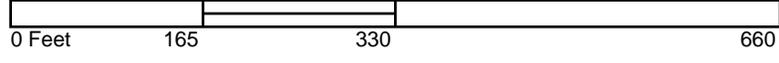


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



# 1977 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1977

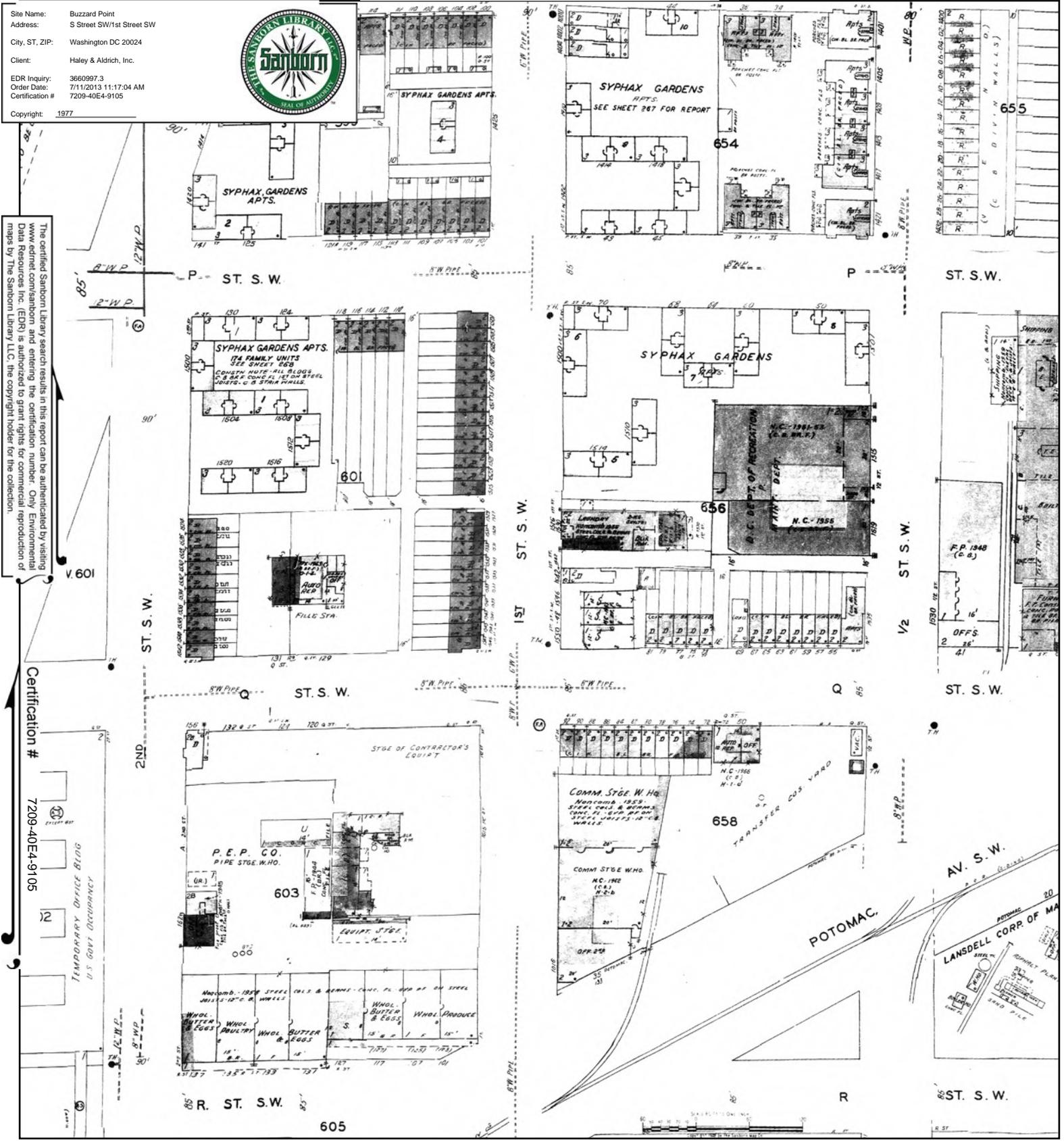


The certified Sanborn Map search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

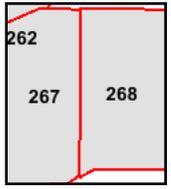
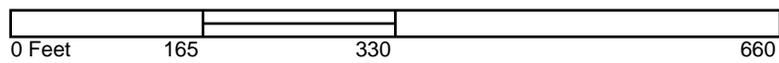
Certification # 7209-40E4-9105

TEMPORARY OFFICE BLDG  
 U.S. GOVT OCCUPANCY

12



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 262  
 Volume 2, Sheet 267  
 Volume 2, Sheet 268





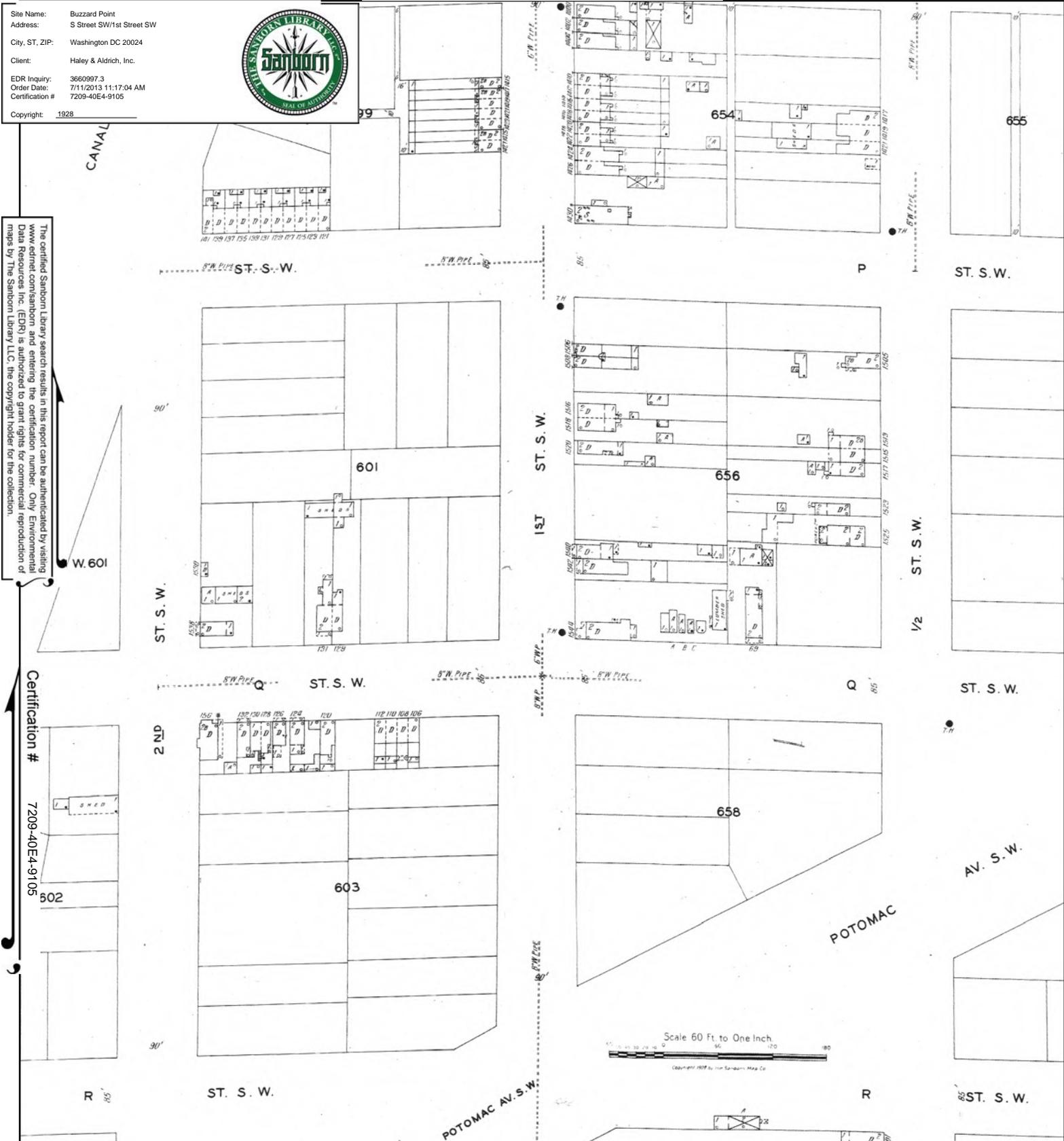
# 1928 Certified Sanborn Map

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry #: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1928

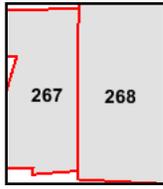
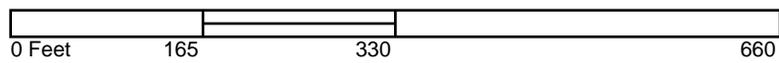


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268





**Buzzard Point**

S Street SW/1st Street SW  
Washington, DC 20024

Inquiry Number: 3660997.3  
July 11, 2013

## Certified Sanborn® Map Report

# Certified Sanborn® Map Report

7/11/13

**Site Name:**

Buzzard Point  
S Street SW/1st Street SW  
Washington, DC 20024

**Client Name:**

Haley & Aldrich, Inc.  
465 Medford Street  
Boston, MA 02129



EDR Inquiry # 3660997.3

Contact: Kristen Wright-Ng

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Haley & Aldrich, Inc. were identified for the years listed below. The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by Sanborn Library LLC, the copyright holder for the collection.

## Certified Sanborn Results:

**Site Name:** Buzzard Point  
**Address:** S Street SW/1st Street SW  
**City, State, Zip:** Washington, DC 20024  
**Cross Street:**  
**P.O. #** 40223-001  
**Project:** Buzzard Point  
**Certification #** 7209-40E4-9105



Sanborn® Library search results  
Certification # 7209-40E4-9105

**Maps Provided:**

1998	1984
1994	1977
1992	1959
1991	1928
1990	
1988	

The Sanborn Library includes more than 1.2 million Sanborn fire insurance maps, which track historical property usage in approximately 12,000 American cities and towns. Collections searched:

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

*The Sanborn Library LLC Since 1866™*

**Limited Permission To Make Copies**

Haley & Aldrich, Inc. (the client) is permitted to make up to THREE photocopies of this Sanborn Map transmittal and each fire insurance map accompanying this report solely for the limited use of its customer. No one other than the client is authorized to make copies. Upon request made directly to an EDR Account Executive, the client may be permitted to make a limited number of additional photocopies. This permission is conditioned upon compliance by the client, its customer and their agents with EDR's copyright policy; a copy of which is available upon request.

**Disclaimer - Copyright and Trademark notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT. Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.



## Sanborn Sheet Thumbnails

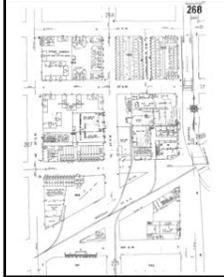
This Certified Sanborn Map Report is based upon the following Sanborn Fire Insurance map sheets.



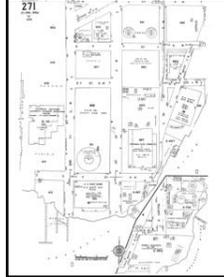
### 1998 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

### 1994 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

### 1992 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

### 1991 Source Sheets



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1990 Source Sheets**



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1988 Source Sheets**



Volume 2, Sheet 271



Volume 2, Sheet 267



Volume 2, Sheet 268

**1984 Source Sheets**



Volume 2, Sheet 267



Volume 2, Sheet 268



Volume 2, Sheet 271

**1977 Source Sheets**



Volume 2, Sheet 267

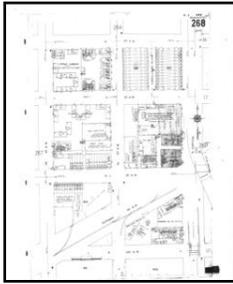


Volume 2, Sheet 268

**1959 Source Sheets**

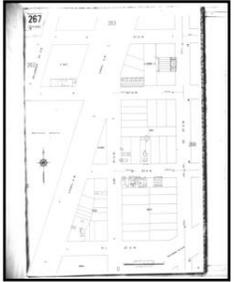


Volume 2, Sheet 267

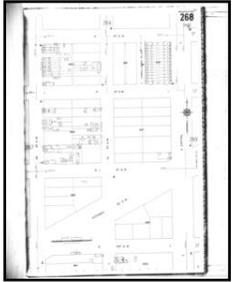


Volume 2, Sheet 268

**1928 Source Sheets**



Volume 2, Sheet 267



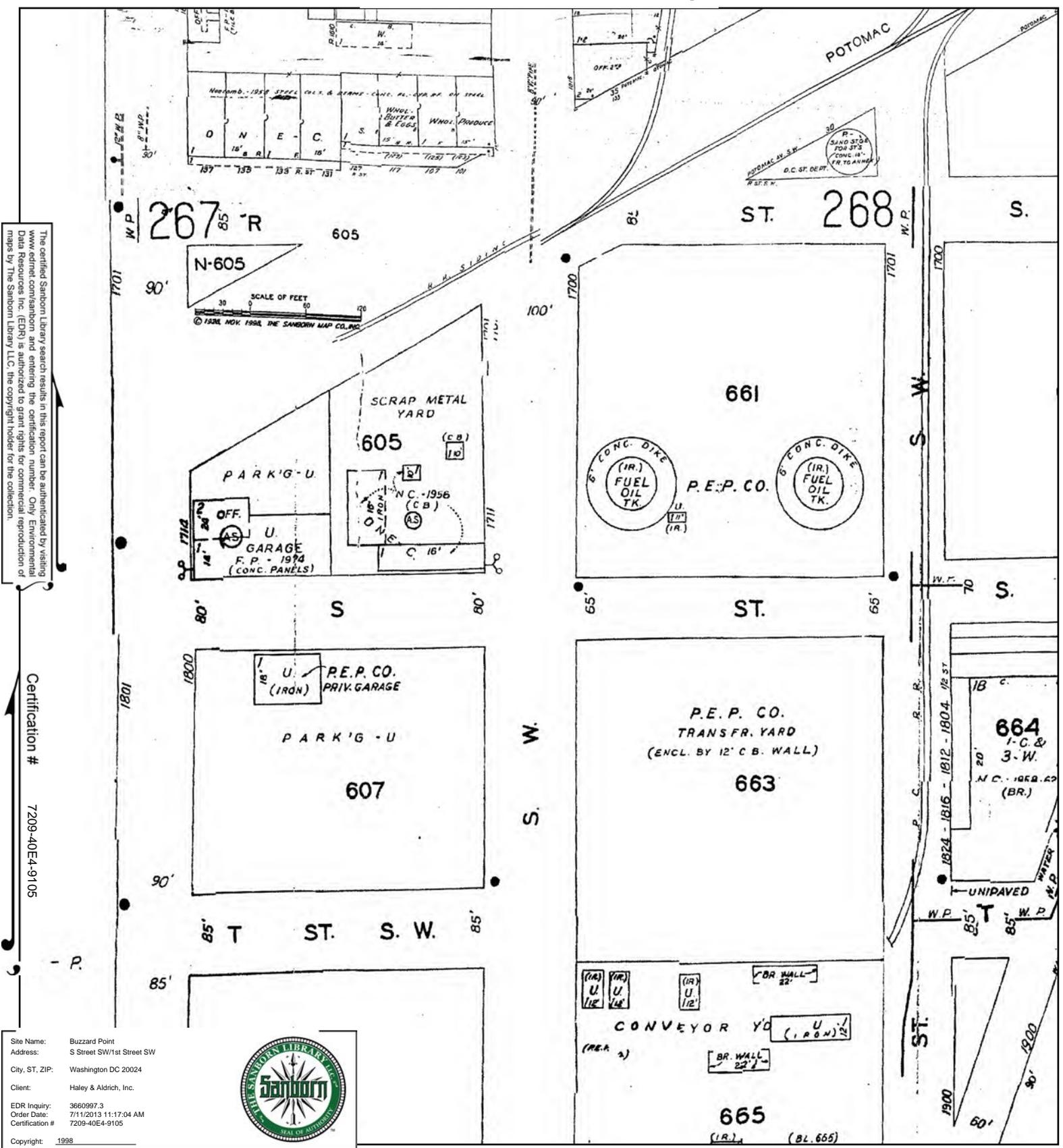
Volume 2, Sheet 268

# 1998 Certified Sanborn Map

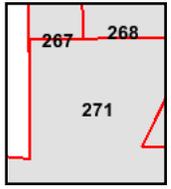
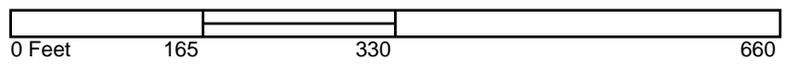
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1998



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



# 1994 Certified Sanborn Map

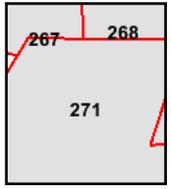
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

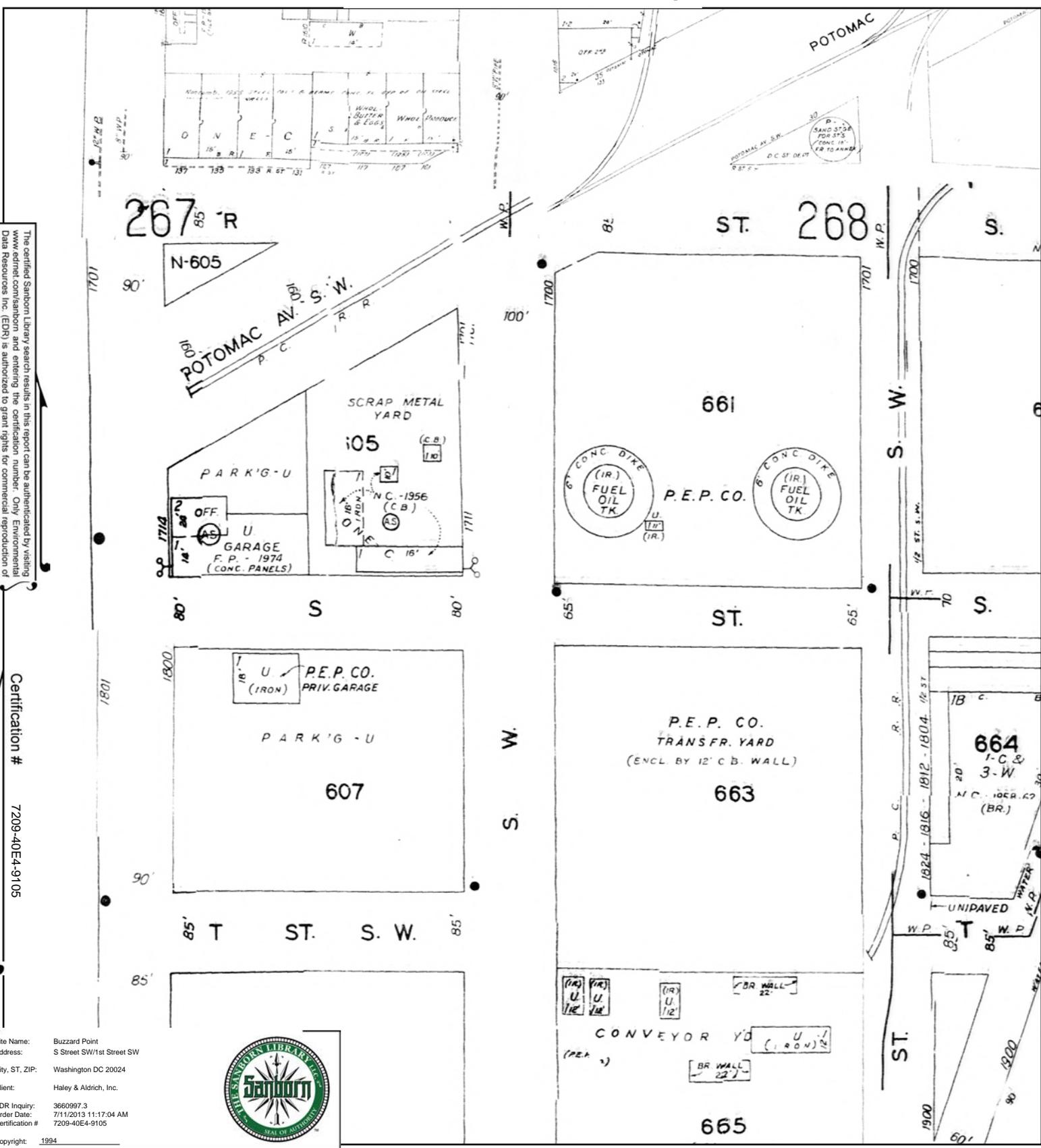
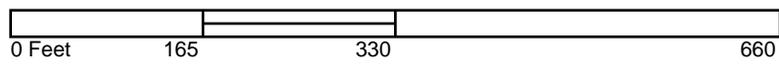
Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271

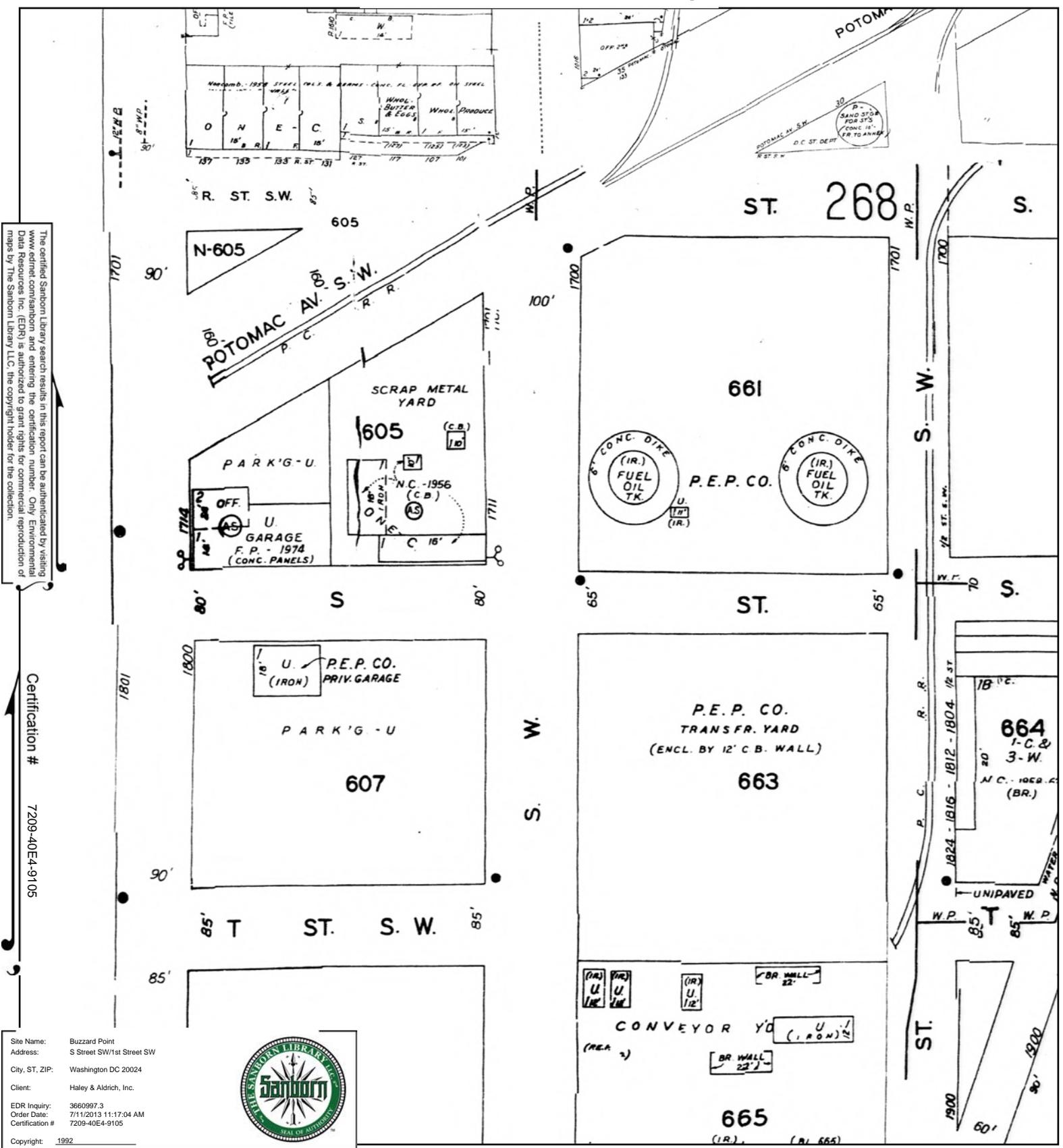


# 1992 Certified Sanborn Map

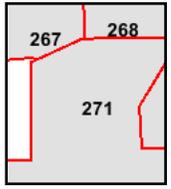
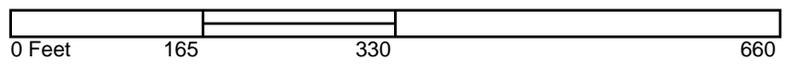
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105  
 Copyright: 1992



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271





# 1990 Certified Sanborn Map

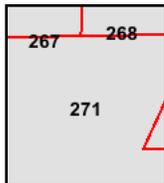
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

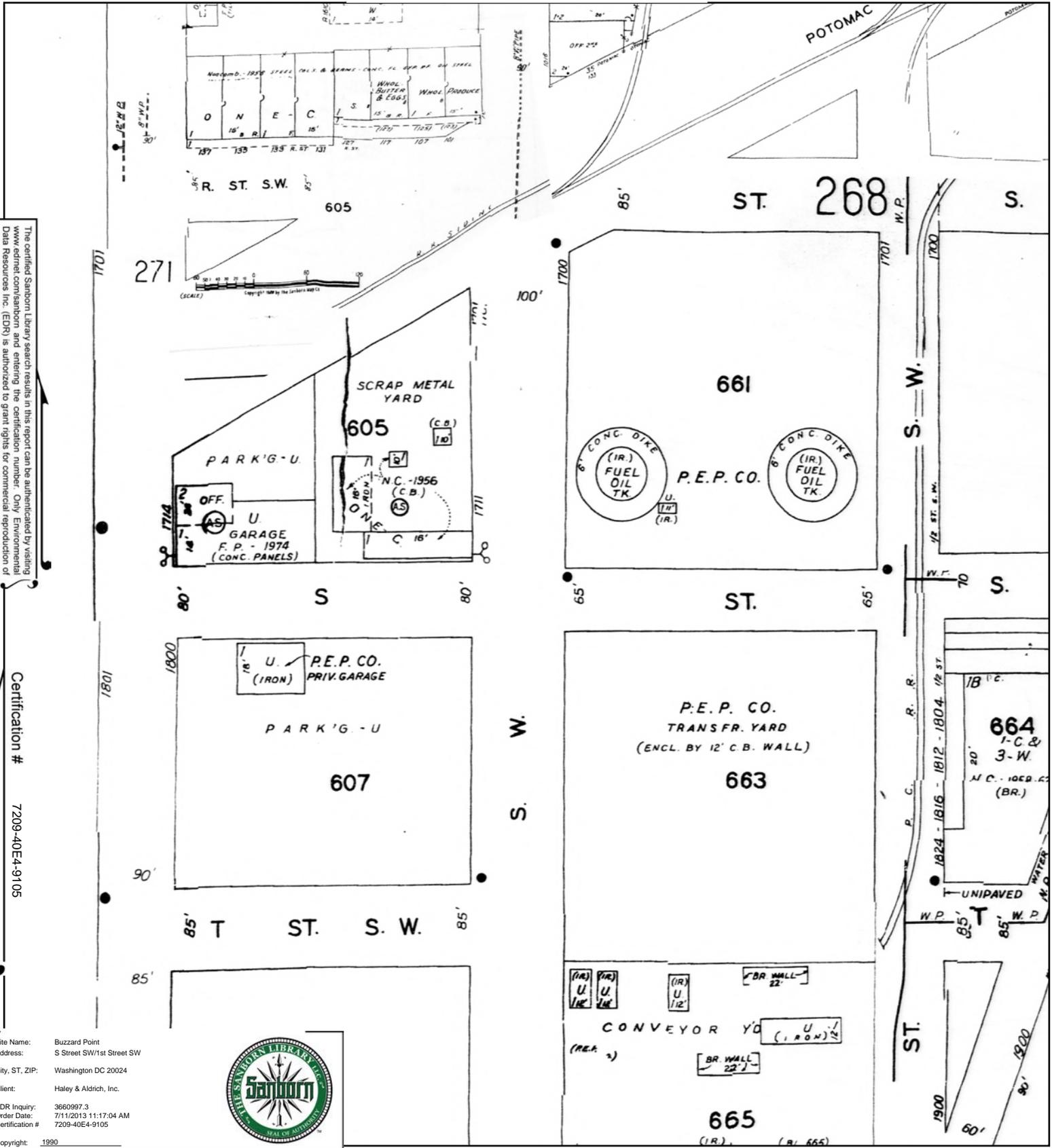
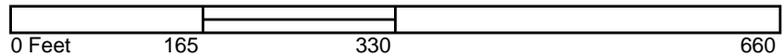
Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271





# 1988 Certified Sanborn Map

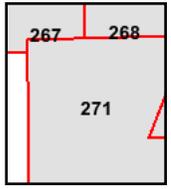
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

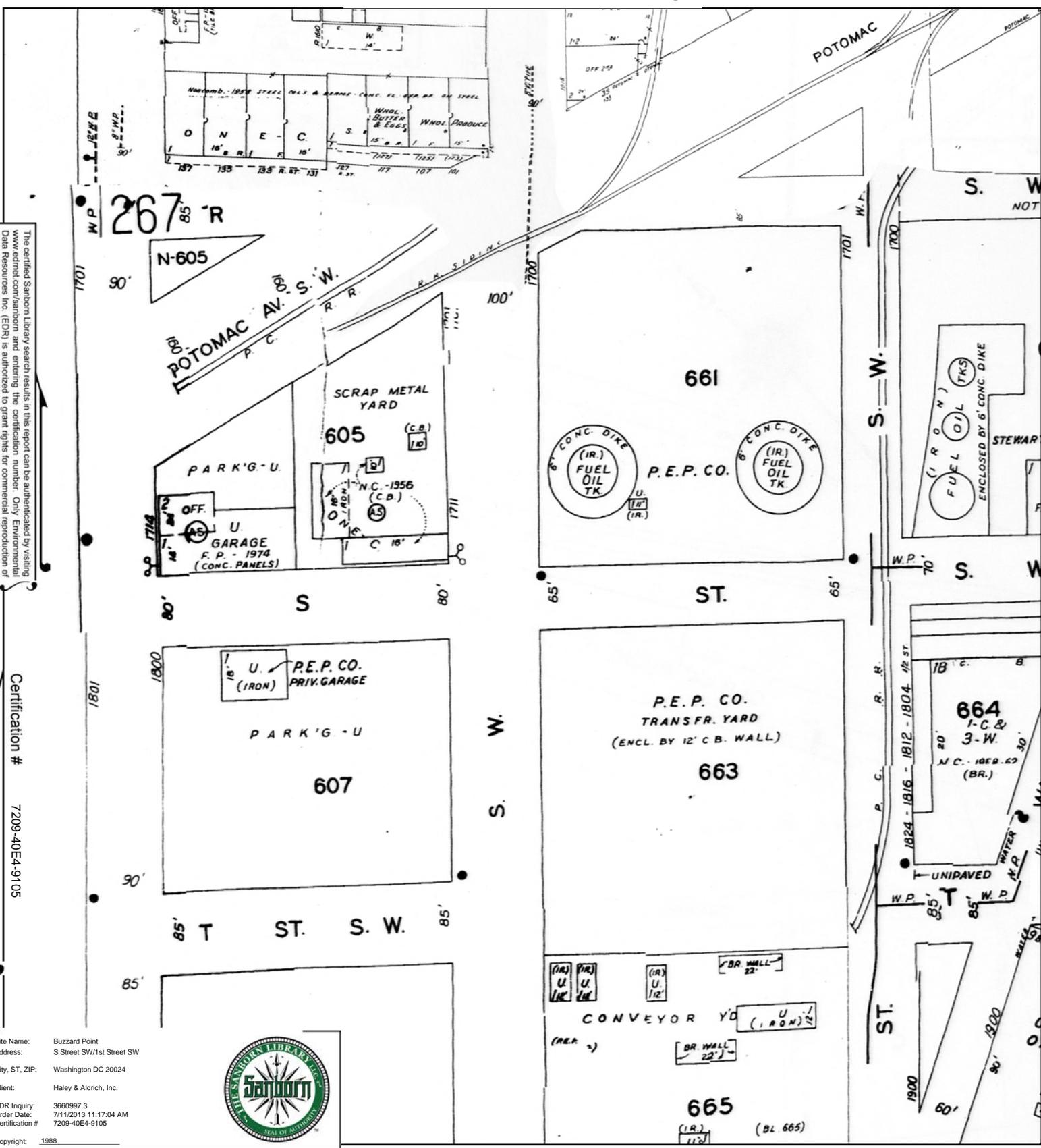
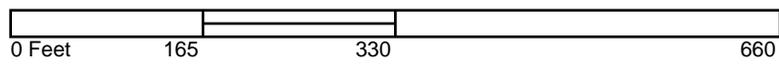
Site Name: Buzzard Point  
 Address: S Street SW/1st Street SW  
 City, ST, ZIP: Washington DC 20024  
 Client: Haley & Aldrich, Inc.  
 EDR Inquiry: 3660997.3  
 Order Date: 7/11/2013 11:17:04 AM  
 Certification #: 7209-40E4-9105



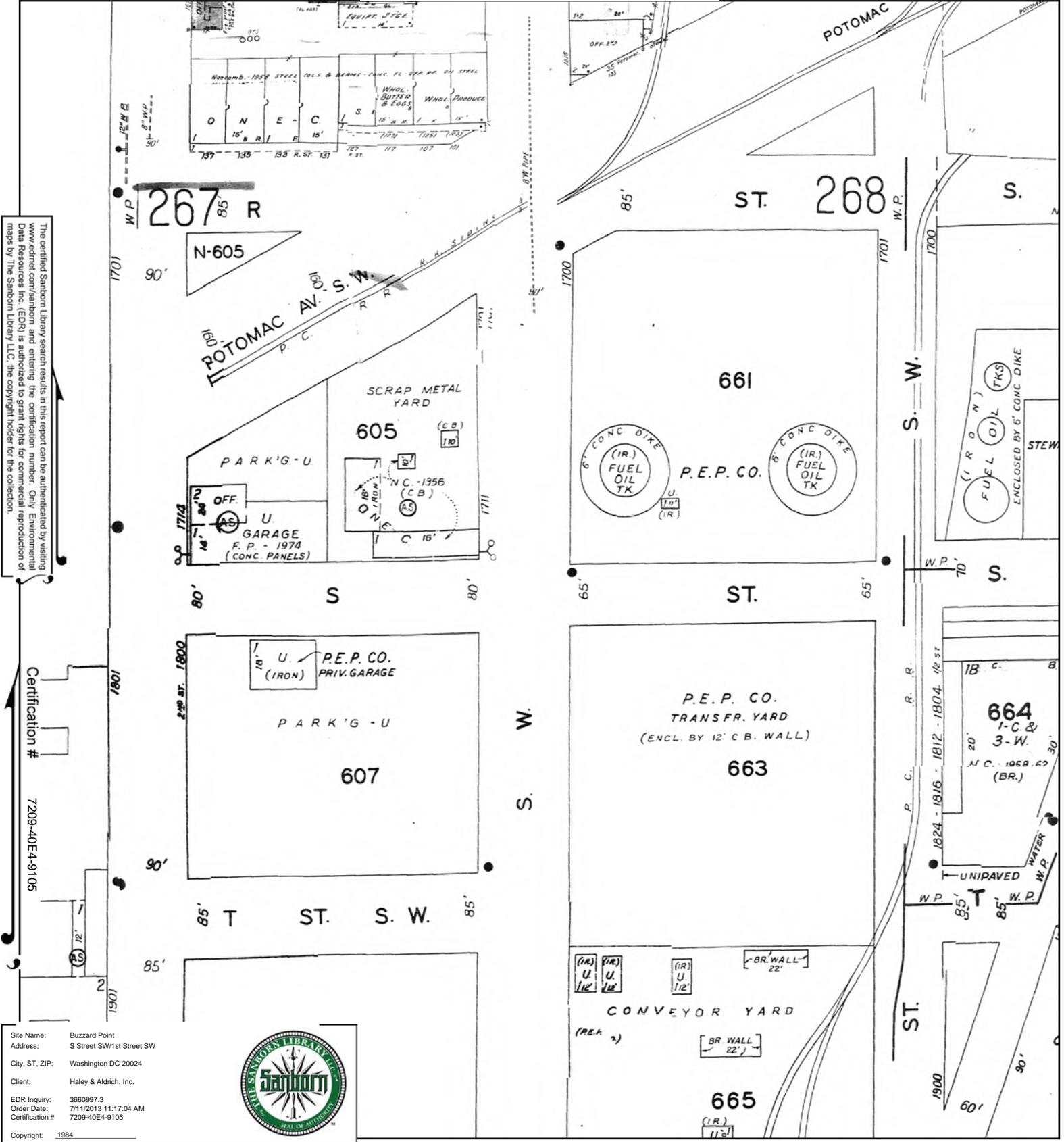
This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 271  
 Volume 2, Sheet 267  
 Volume 2, Sheet 268



# 1984 Certified Sanborn Map

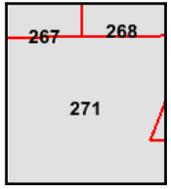
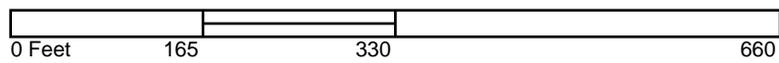


The certified Sanborn Library search results in this report can be authenticated by visiting [www.edr.com/sanborn](http://www.edr.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

**Certification #**  
 7209-40E4-9105



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
 Volume 2, Sheet 268  
 Volume 2, Sheet 271



# 1977 Certified Sanborn Map

The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

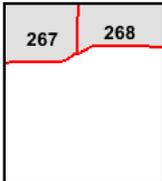
Certification # 7209-40E4-9105

Site Name: Buzzard Point  
Address: S Street SW/1st Street SW  
City, ST, ZIP: Washington DC 20024  
Client: Haley & Aldrich, Inc.  
EDR Inquiry: 3660997.3  
Order Date: 7/11/2013 11:17:04 AM  
Certification # 7209-40E4-9105

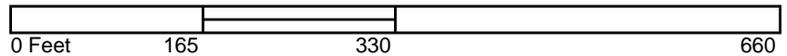


Copyright: 1977

This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
Volume 2, Sheet 268



# 1959 Certified Sanborn Map

The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

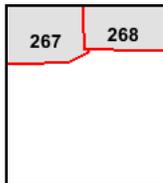
Certification # 7209-40E4-9105

Site Name: Buzzard Point  
Address: S Street SW/1st Street SW  
City, ST, ZIP: Washington DC 20024  
Client: Haley & Aldrich, Inc.  
EDR Inquiry: 3660997.3  
Order Date: 7/11/2013 11:17:04 AM  
Certification #: 7209-40E4-9105

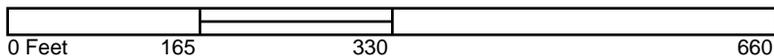


Copyright: 1959

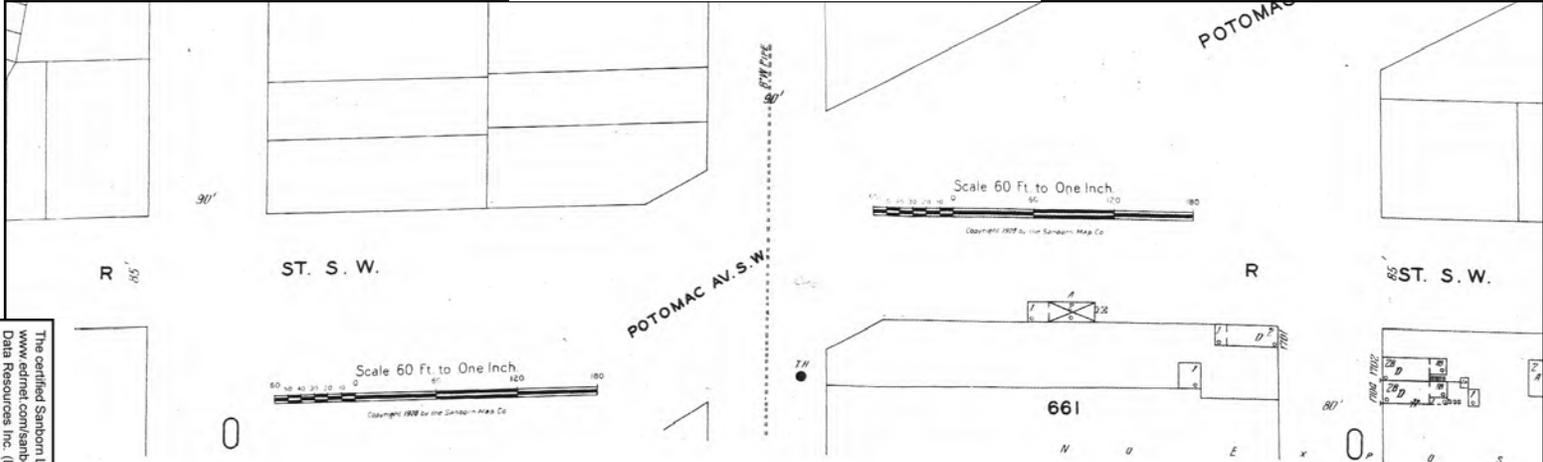
This Certified Sanborn Map combines the following sheets.  
Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
Volume 2, Sheet 268



# 1928 Certified Sanborn Map



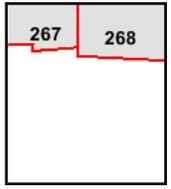
The certified Sanborn Library search results in this report can be authenticated by visiting [www.edrnet.com/sanborn](http://www.edrnet.com/sanborn) and entering the certification number. Only Environmental Data Resources Inc. (EDR) is authorized to grant rights for commercial reproduction of maps by The Sanborn Library LLC, the copyright holder for the collection.

Certification # 7209-40E4-9105

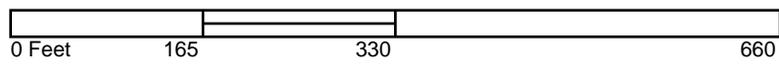
Site Name:	Buzzard Point
Address:	S Street SW/1st Street SW
City, ST, ZIP:	Washington DC 20024
Client:	Haley & Aldrich, Inc.
EDR Inquiry:	3660997.3
Order Date:	7/11/2013 11:17:04 AM
Certification #	7209-40E4-9105
Copyright:	1928



This Certified Sanborn Map combines the following sheets. Outlined areas indicate map sheets within the collection.



Volume 2, Sheet 267  
Volume 2, Sheet 268





Ward	Male	Inhabitants	Total
Howard Rd SE	1600	1893	3493
Sutland Pkwy	2430	2598	5028
Third	3491	2429	5920
Fourth	1202	1462	2664
Seventh	1864	1741	3605
Total	14590	15115	29705

"Map of Washington, D.C." prepared by Lloyd Van Derveer, dated 1851.

© 2013 Google

Google earth



**Buzzard Point**

S Street SW/1st Street SW  
Washington, DC 20024

Inquiry Number: 3660997.4  
July 10, 2013

# EDR Historical Topographic Map Report

# EDR Historical Topographic Map Report

Environmental Data Resources, Inc.s (EDR) Historical Topographic Map Report is designed to assist professionals in evaluating potential liability on a target property resulting from past activities. EDRs Historical Topographic Map Report includes a search of a collection of public and private color historical topographic maps, dating back to the early 1900s.

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

## **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report AS IS. Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

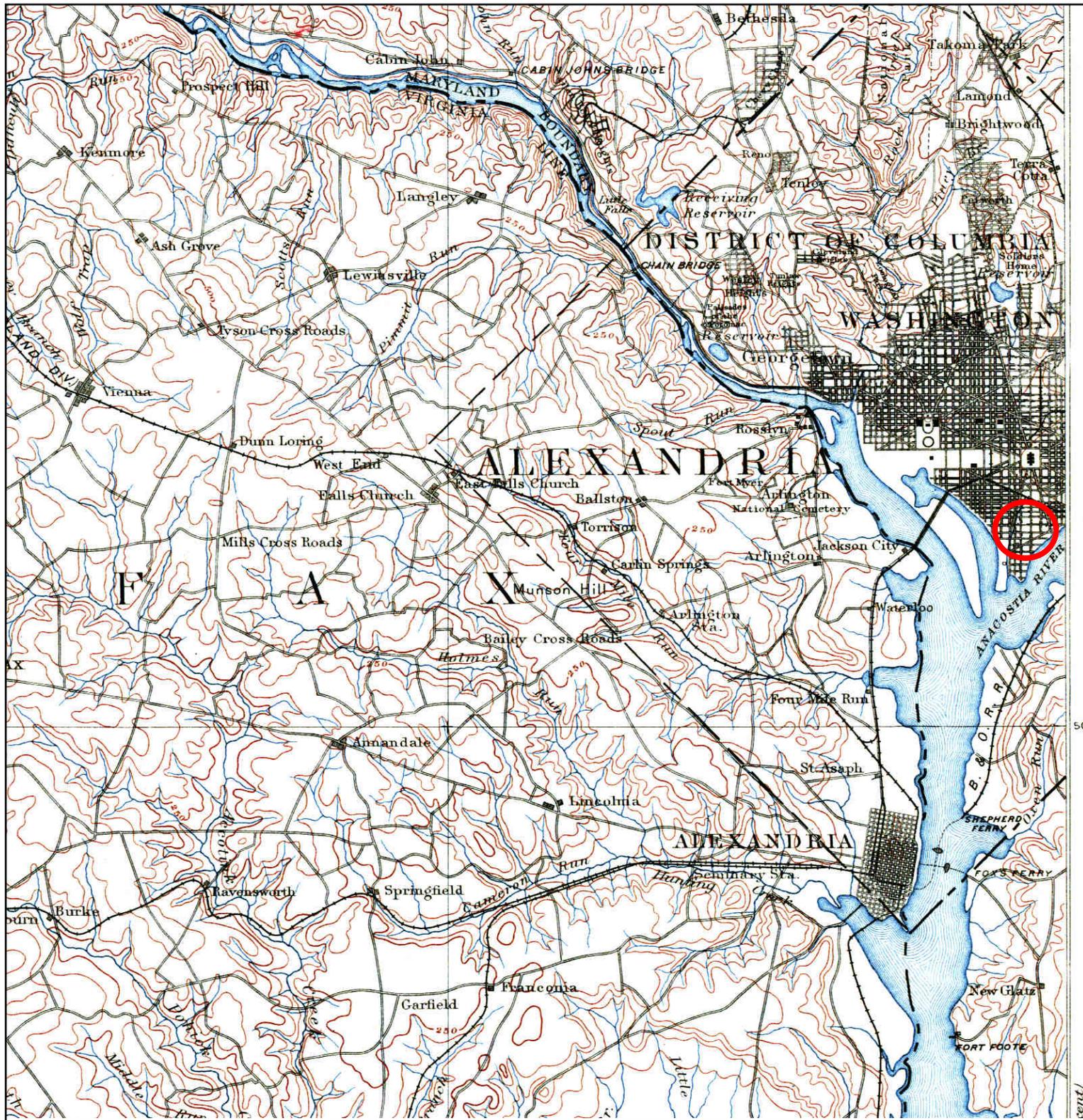


# Historical Topographic Map



<p>N ↑</p>	<p><b>TARGET QUAD</b>                  NAME: WEST WASHINGTON                  MAP YEAR: 1885</p>	<p>SITE NAME: Buzzard Point                  ADDRESS: S Street SW/1st Street SW                  Washington, DC 20024                  LAT/LONG: 38.8683 / -77.0121</p>	<p>CLIENT: Haley &amp; Aldrich, Inc.                  CONTACT: Kristen Wright-Ng                  INQUIRY#: 3660997.4                  RESEARCH DATE: 07/10/2013</p>
	<p>SERIES: 15                  SCALE: 1:62500</p>		

# Historical Topographic Map



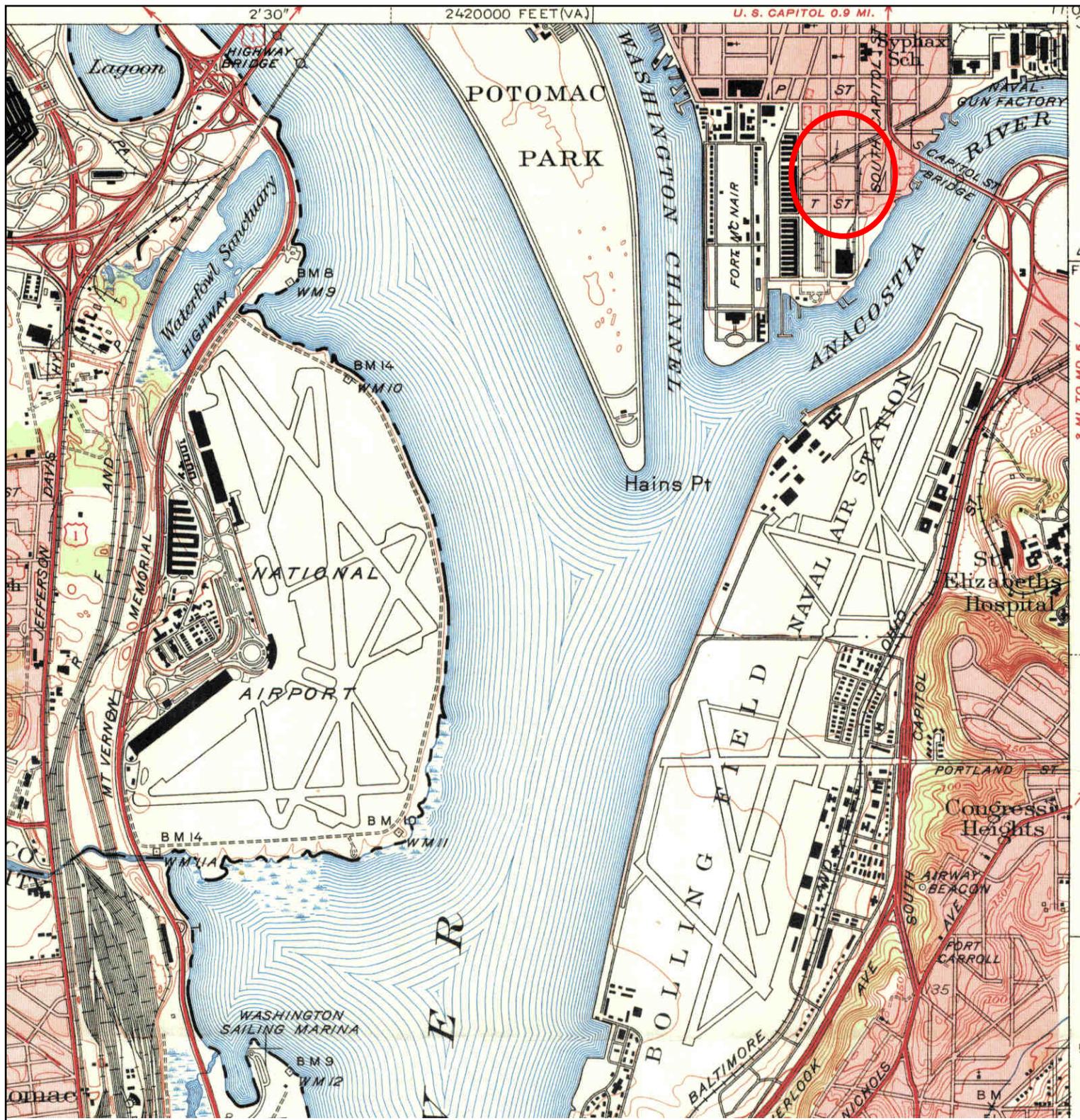
	<b>TARGET QUAD</b> NAME: MOUNT VERNON MAP YEAR: 1894	SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121	CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013
	SERIES: 30 SCALE: 1:125000		

# Historical Topographic Map



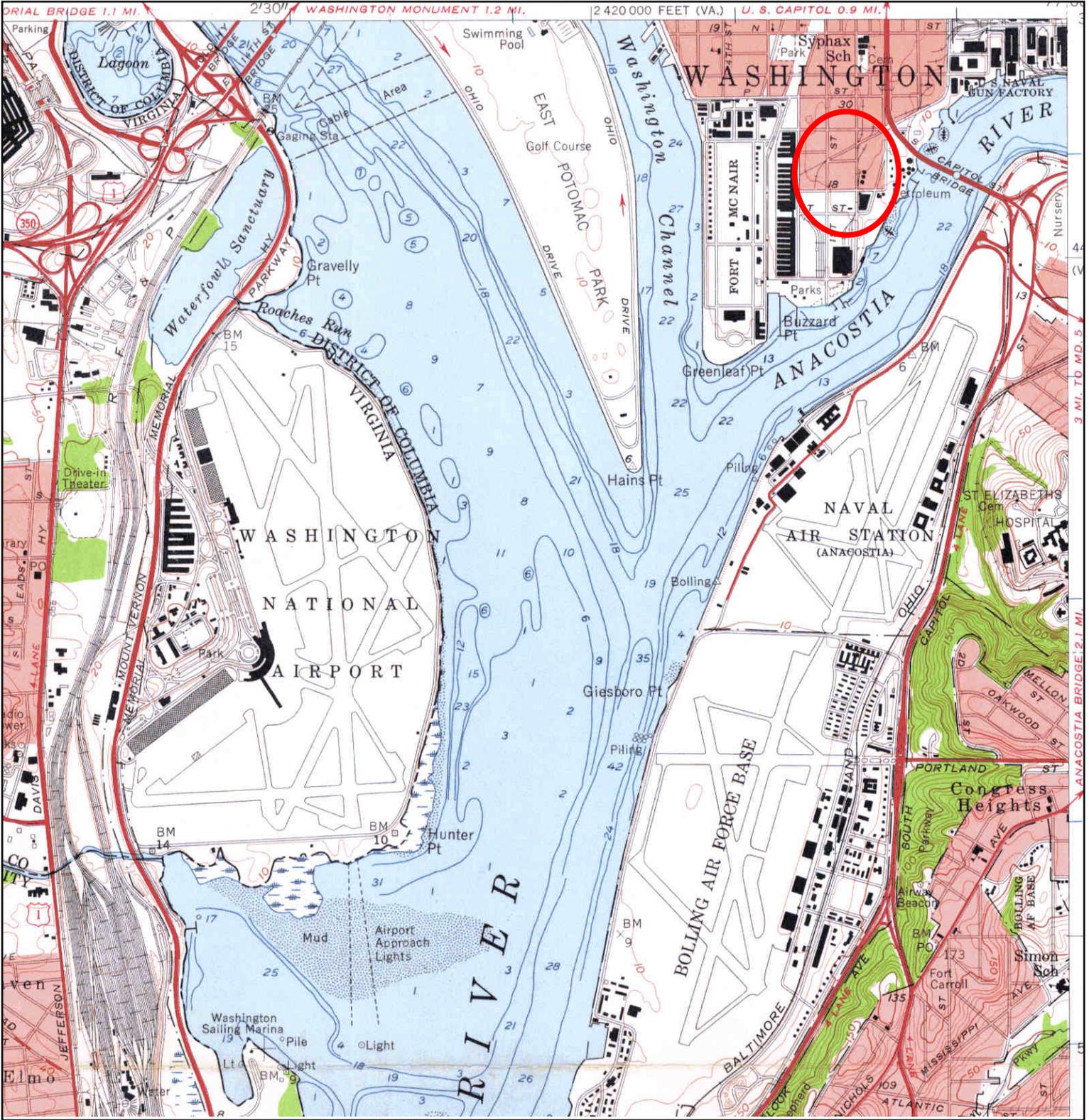
<p>N</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Buzzard Point	<b>CLIENT:</b> Haley & Aldrich, Inc.
	<b>NAME:</b> Washington And Vicinity 4 Of 4	<b>ADDRESS:</b> S Street SW/1st Street SW Washington, DC 20024	<b>CONTACT:</b> Kristen Wright-Ng
	<b>MAP YEAR:</b> 1947	<b>LAT/LONG:</b> 38.8683 / -77.0121	<b>INQUIRY#:</b> 3660997.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 07/10/2013
	<b>SCALE:</b> 1:31680		

# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: ALEXANDRIA MAP YEAR: 1951	SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121	CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013
	SERIES: 7.5 SCALE: 1:24000		

# Historical Topographic Map



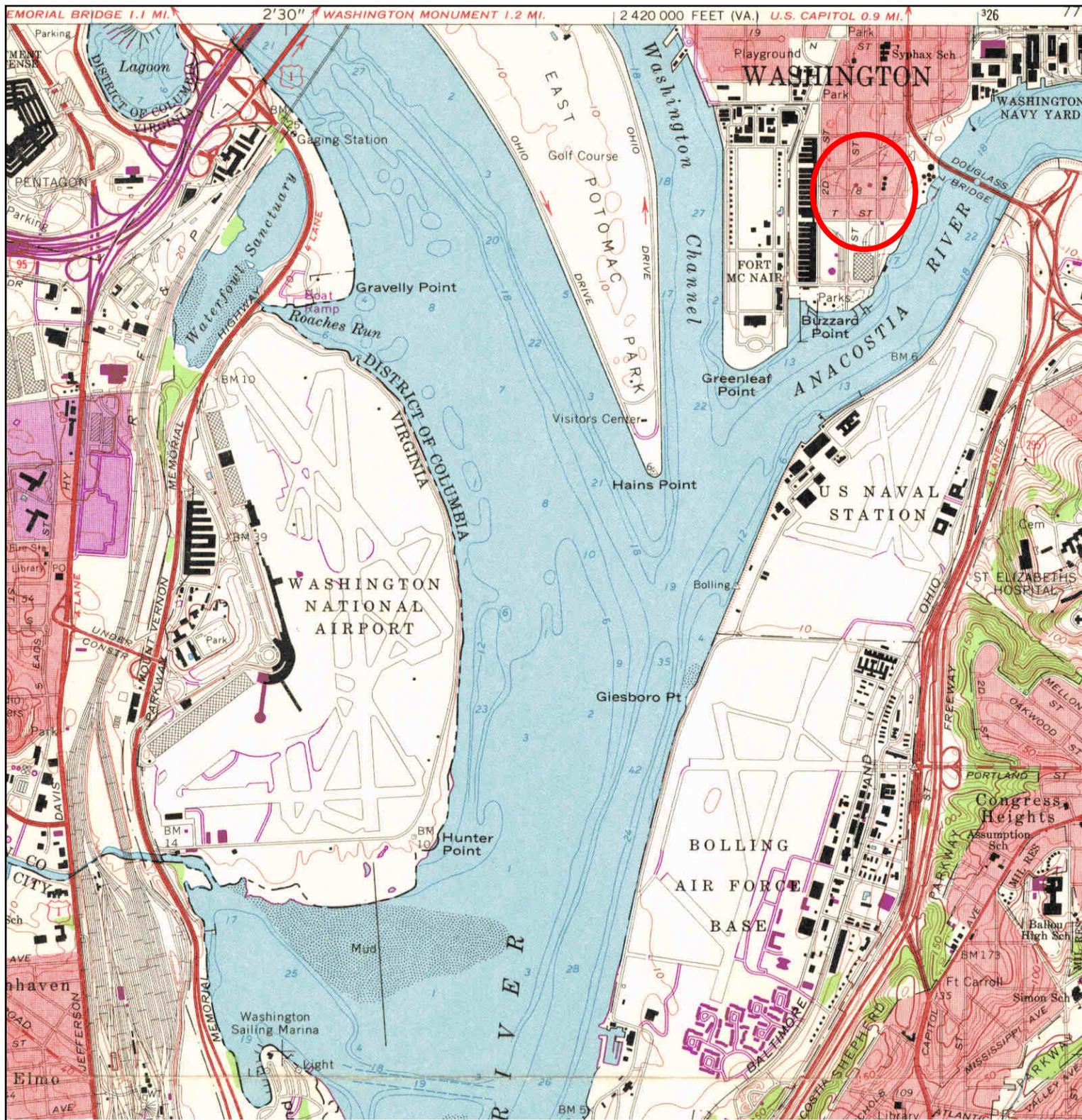
 <b>N</b>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Buzzard Point	<b>CLIENT:</b> Haley & Aldrich, Inc.
	<b>NAME:</b> ALEXANDRIA	<b>ADDRESS:</b> S Street SW/1st Street SW	<b>CONTACT:</b> Kristen Wright-Ng
	<b>MAP YEAR:</b> 1956	<b>WASHINGTON, DC</b> 20024	<b>INQUIRY#:</b> 3660997.4
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 38.8683 / -77.0121	<b>RESEARCH DATE:</b> 07/10/2013
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



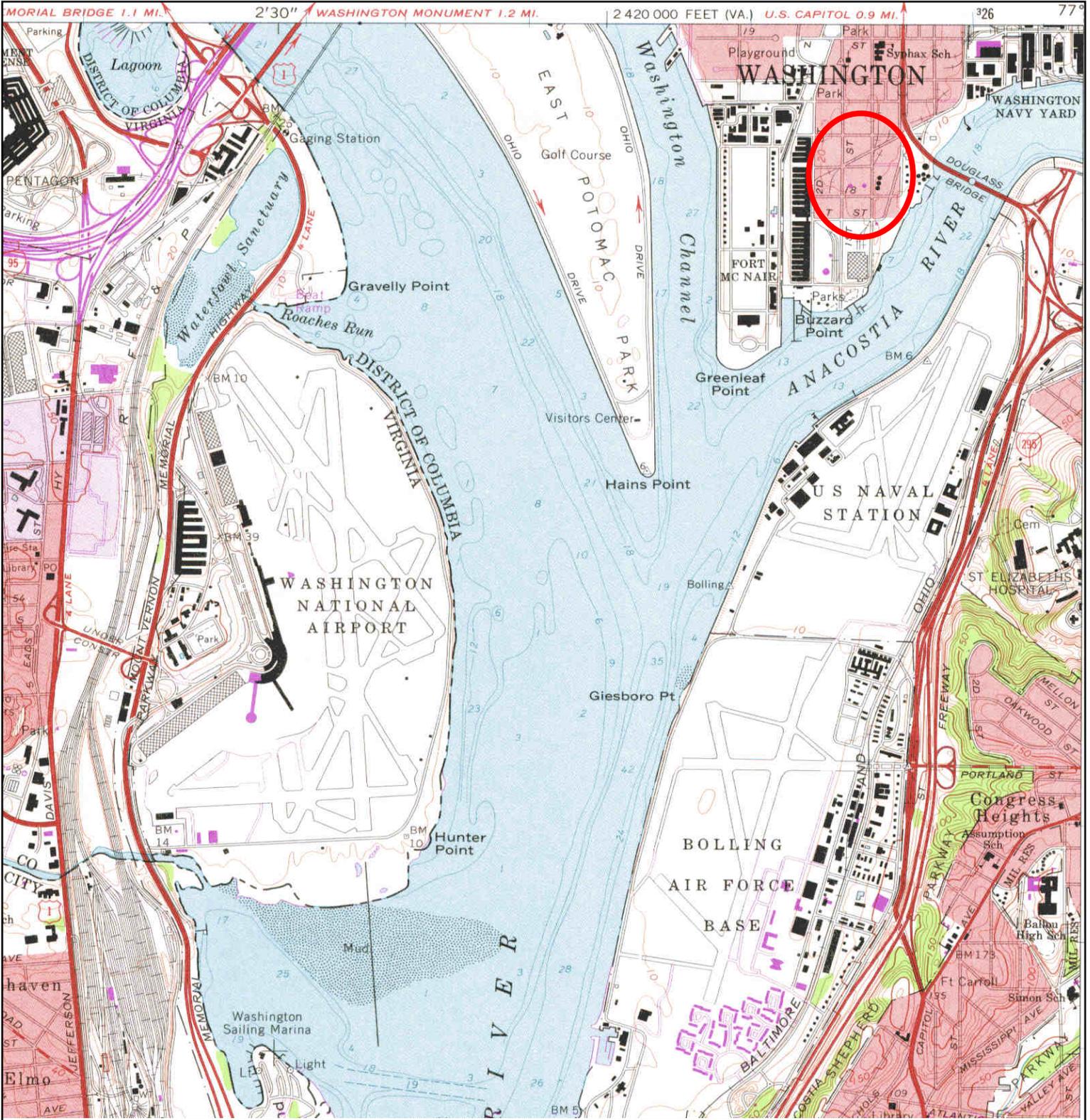
	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Buzzard Point	<b>CLIENT:</b> Haley & Aldrich, Inc.
	<b>NAME:</b> ALEXANDRIA	<b>ADDRESS:</b> S Street SW/1st Street SW	<b>CONTACT:</b> Kristen Wright-Ng
	<b>MAP YEAR:</b> 1965	<b>LAT/LONG:</b> 38.8683 / -77.0121	<b>INQUIRY#:</b> 3660997.4
	<b>SERIES:</b> 7.5		<b>RESEARCH DATE:</b> 07/10/2013
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Buzzard Point	<b>CLIENT:</b> Haley & Aldrich, Inc.
	<b>NAME:</b> ALEXANDRIA	<b>ADDRESS:</b> S Street SW/1st Street SW	<b>CONTACT:</b> Kristen Wright-Ng
	<b>MAP YEAR:</b> 1971	<b>WASHINGTON, DC 20024</b>	<b>INQUIRY#:</b> 3660997.4
	<b>PHOTOREVISED FROM :</b> 1965	<b>LAT/LONG:</b> 38.8683 / -77.0121	<b>RESEARCH DATE:</b> 07/10/2013
	<b>SERIES:</b> 7.5		
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map

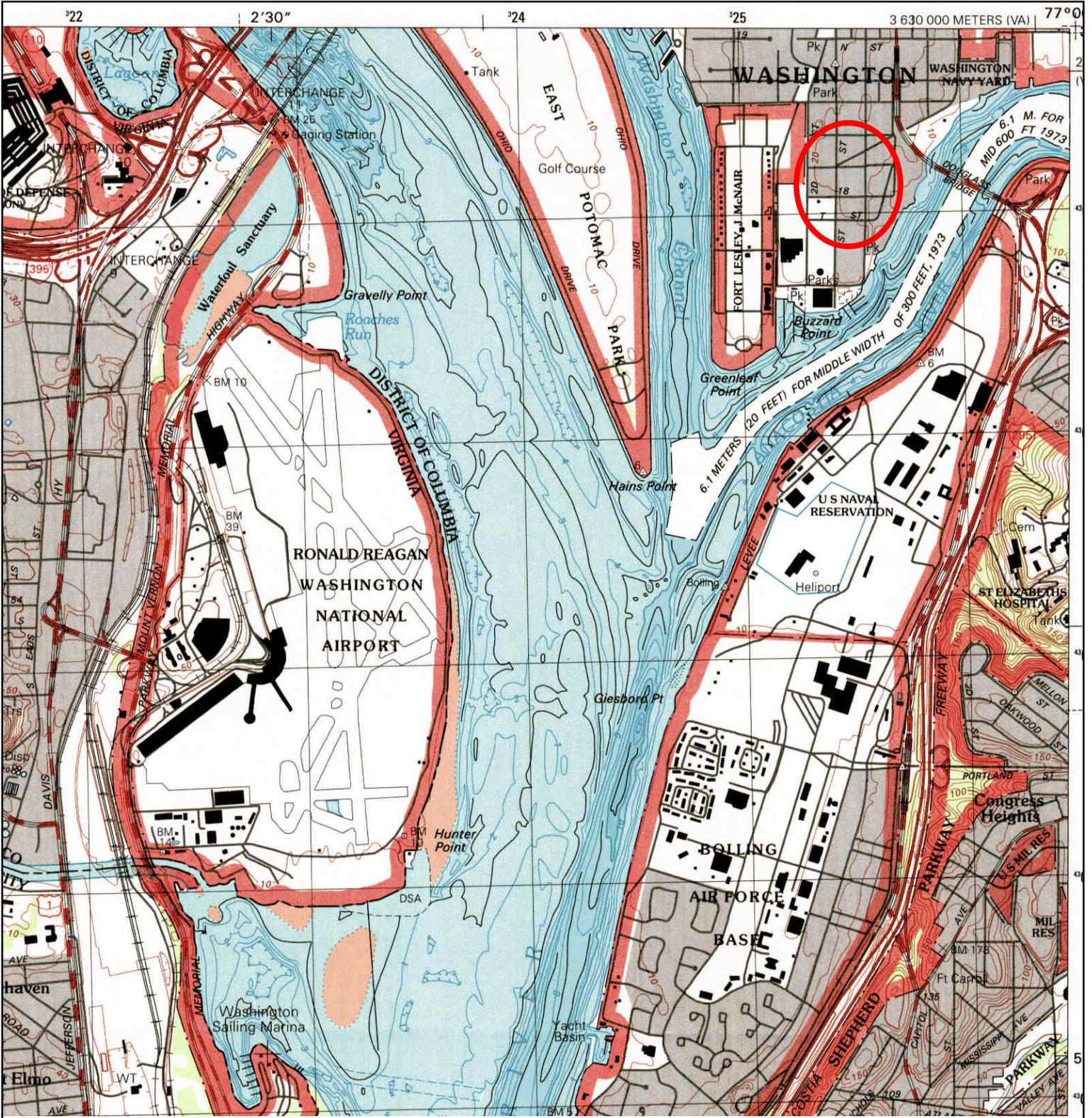


<p>N ↑</p>	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Buzzard Point	<b>CLIENT:</b> Haley & Aldrich, Inc.
	NAME: ALEXANDRIA	<b>ADDRESS:</b> S Street SW/1st Street SW	<b>CONTACT:</b> Kristen Wright-Ng
	MAP YEAR: 1972	Washington, DC 20024	<b>INQUIRY#:</b> 3660997.4
	PHOTOINSPECTED FROM : 1965	<b>LAT/LONG:</b> 38.8683 / -77.0121	<b>RESEARCH DATE:</b> 07/10/2013
	SERIES: 7.5		
	SCALE: 1:24000		



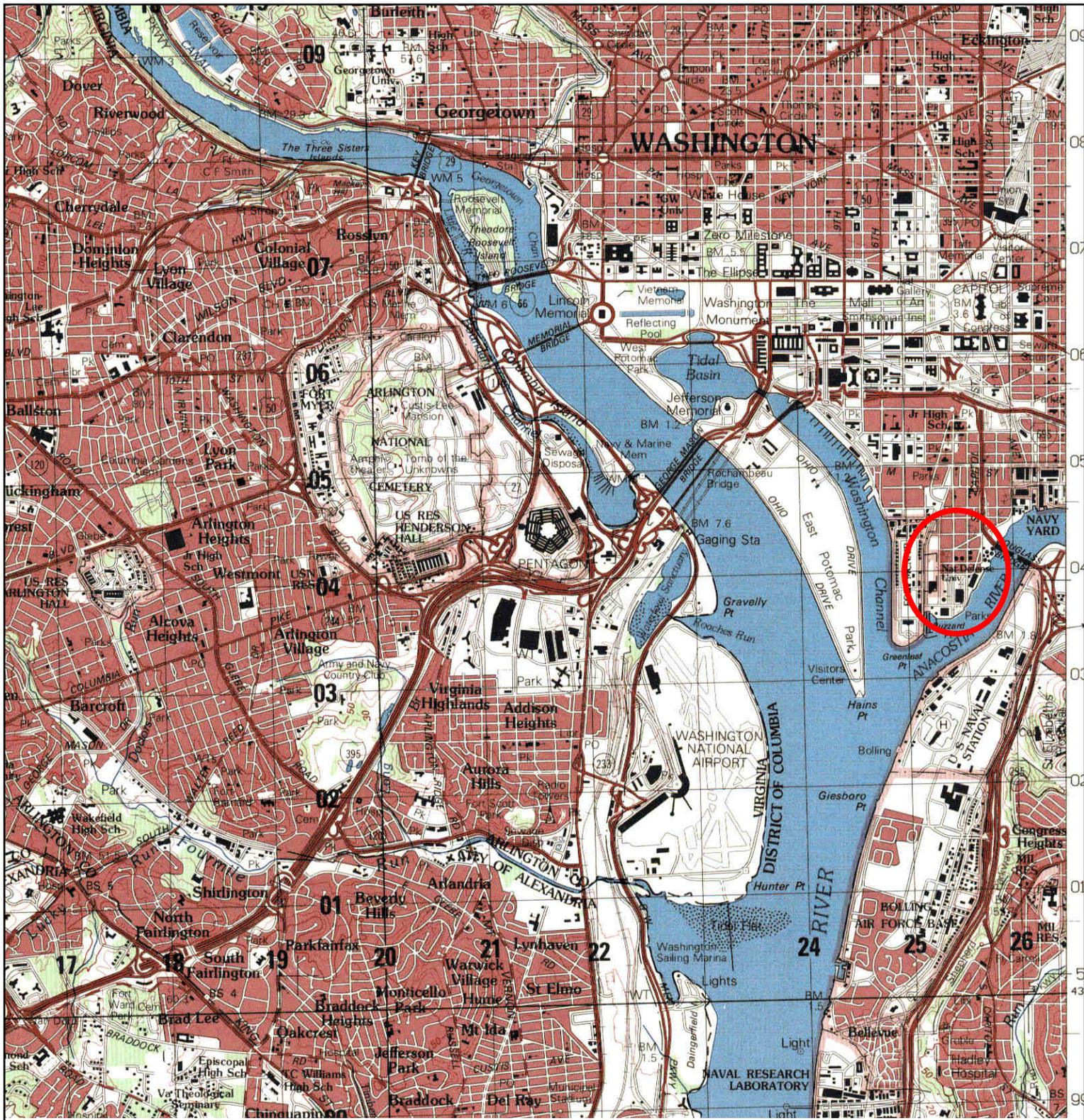


# Historical Topographic Map



	<b>TARGET QUAD</b>	<b>SITE NAME:</b> Buzzard Point	<b>CLIENT:</b> Haley & Aldrich, Inc.
	<b>NAME:</b> ALEXANDRIA	<b>ADDRESS:</b> S Street SW/1st Street SW	<b>CONTACT:</b> Kristen Wright-Ng
	<b>MAP YEAR:</b> 1994	<b>WASHINGTON, DC 20024</b>	<b>INQUIRY#:</b> 3660997.4
	<b>SERIES:</b> 7.5	<b>LAT/LONG:</b> 38.8683 / -77.0121	<b>RESEARCH DATE:</b> 07/10/2013
	<b>SCALE:</b> 1:24000		

# Historical Topographic Map



	<b>TARGET QUAD</b> NAME: ALEXANDRIA MAP YEAR: 1994	SITE NAME: Buzzard Point ADDRESS: S Street SW/1st Street SW Washington, DC 20024 LAT/LONG: 38.8683 / -77.0121	CLIENT: Haley & Aldrich, Inc. CONTACT: Kristen Wright-Ng INQUIRY#: 3660997.4 RESEARCH DATE: 07/10/2013
	SERIES: 15 SCALE: 1:50000		

**Buzzard Point**

S Street SW/1st Street SW  
Washington, DC 20024

Inquiry Number: 3660997.6  
July 10, 2013

# 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.

#### **Disclaimer - Copyright and Trademark Notice**

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OR DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc. or its affiliates is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## 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 1922 through 2012. 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>
2012	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2007	Cole Information Services	-	X	X	-
	Cole Information Services	X	X	X	-
2006	Haines Company, Inc.	-	X	X	-
	Haines Company, Inc.	X	X	X	-
2000	Haines & Company	-	X	X	-
1993	The Chesapeake and Potomac Telephone Company of Virginia	-	X	X	-
1983	The Chesapeake Potomac Telephone Co	-	X	X	-
1978	C&P Telephone	-	X	X	-
1973	The Chesapeake Potomac Telephone Co	-	X	X	-
1969	C&P Telephone	-	X	X	-
	C&P Telephone	X	X	X	-
1964	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1960	R. L. Polk & Co.	-	X	X	-
1954	R. L. Polk & Co.	-	X	X	-
1948	R. L. Polk & Co.	-	X	X	-
	R. L. Polk & Co.	X	X	X	-
1943	R. L. Polk & Co.	-	X	X	-
1940	R. L. Polk & Co.	-	X	X	-
1936	R. L. Polk & Co.	-	X	X	-
1931	R. L. Polk & Co.	-	X	X	-
1926	R. L. Polk & Co.	-	X	X	-

## EXECUTIVE SUMMARY

<u>Year</u>	<u>Source</u>	<u>TP</u>	<u>Adjoining</u>	<u>Text Abstract</u>	<u>Source Image</u>
1922	R. L. Polk & Co.	-	X	X	-

## EXECUTIVE SUMMARY

### SELECTED ADDRESSES

The following addresses were selected by the client, for EDR to research. An "X" indicates where information was identified.

<u>Address</u>	<u>Type</u>	<u>Findings</u>
1711 1st Street SW	Client Entered	X
1714 2nd Street SW	Client Entered	X
1930 1st Street SW	Client Entered	



# FINDINGS

## TARGET PROPERTY INFORMATION

### ADDRESS

S Street SW/1st Street SW  
Washington, DC 20024

### FINDINGS DETAIL

Target Property research detail.

### 1ST ST SW

#### 1711 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	SUPER SALVAGE INC	Cole Information Services
2007	SUPER SALVAGE INC	Cole Information Services
2006	SUPER SALVAGE	Haines Company, Inc.
	SUPERSALVAGE	Haines Company, Inc.
1964	Buzzard Point Boat Yd	R. L. Polk & Co.
	Super Salvage Inc	R. L. Polk & Co.

#### 1714 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Crockett Yuria	R. L. Polk & Co.

### 1st Street SW

#### 1711 1st Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	SUPER SALVAGE	Haines Company, Inc.
	SUPERSALVAGE	Haines Company, Inc.
1964	Buzzard Point Boat Yd	R. L. Polk & Co.
	Super Salvage Inc	R. L. Polk & Co.

#### 1930 1st Street SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
-------------	-------------	---------------

## FINDINGS

### **2ND SW**

#### **1714 2ND SW**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
1969	WASHINGTON DELIVERIES INC	C&P Telephone

### **2ND ST SW**

#### **1714 2ND ST SW**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2006	ENRIQUEC LYON	Haines Company, Inc.
1964	Anacostia River	R. L. Polk & Co.
	Corinthian Yacht Club club hse	R. L. Polk & Co.
	Corinthian Yacht Club stewart hse	R. L. Polk & Co.
	Credit Union	R. L. Polk & Co.
	Stoll Louis J	R. L. Polk & Co.
	Washn Del Inc	R. L. Polk & Co.

### **2nd Street SW**

#### **1714 2nd Street SW**

<b><u>Year</u></b>	<b><u>Uses</u></b>	<b><u>Source</u></b>
2006	ENRIQUEC LYON	Haines Company, Inc.
1969	WASHINGTON DELIVERIES INC	C&P Telephone
1964	Anacostia River	R. L. Polk & Co.
	Corinthian Yacht Club club hse	R. L. Polk & Co.
	Corinthian Yacht Club stewart hse	R. L. Polk & Co.
	Credit Union	R. L. Polk & Co.
	Stoll Louis J	R. L. Polk & Co.
	Washn Del Inc	R. L. Polk & Co.

# FINDINGS

## ADJOINING PROPERTY DETAIL

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

### 1 STH 2 SW

#### 1912 1 STH 2 SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	MOAYEDI Roxanna	The Chesapeake and Potomac Telephone Company of Virginia

### 1ST SW

#### 1805 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	1ST SW Contd Taylor Mary Mrs	R. L. Polk & Co. R. L. Polk & Co.
1931	Taylor Jesse	R. L. Polk & Co.
1926	Taylor Jessie	R. L. Polk & Co.
1922	Taylor Jesse	R. L. Polk & Co.

#### 1817 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Dungan Robt L	R. L. Polk & Co.
1926	Penn Wm	R. L. Polk & Co.
1922	Fenwick Geo D	R. L. Polk & Co.

#### 1821 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Vacant cor Corinthian Yacht Club Anacostia River Unopened to Xenia	R. L. Polk & Co. R. L. Polk & Co. R. L. Polk & Co. R. L. Polk & Co.
1931	Jackson Fannie Mrs 1ST SW Contd	R. L. Polk & Co. R. L. Polk & Co.
1926	Jackson Fannie Mrs	R. L. Polk & Co.
1922	Anderson Carl L	R. L. Polk & Co.

#### 1901 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Brown Lee	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Kerns Lee coal	R. L. Polk & Co.

### 1927 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Buchanan Clarence	R. L. Polk & Co.
1922	Vacant	R. L. Polk & Co.

### 1929 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Nelson Wm	R. L. Polk & Co.
1922	Nelson Wm	R. L. Polk & Co.

### 1931 1ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Brown Nettie	R. L. Polk & Co.
1922	Brown Percy	R. L. Polk & Co.

### 1ST ST SW

#### 1648 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	M & J CARRYOUT	Haines Company, Inc.

#### 1700 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wilkerson Louise Mrs	R. L. Polk & Co.

#### 1702 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Washington Rose	R. L. Polk & Co.

#### 1704 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Johns Adorpus	R. L. Polk & Co.

#### 1706 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Greene Geo	R. L. Polk & Co.

## FINDINGS

### 1716 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Gay Marvin	R. L. Polk & Co.

### 1717 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Milton Jas	R. L. Polk & Co.

### 1718 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bradshaw Raymond	R. L. Polk & Co.

### 1720 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Smith Jas T	R. L. Polk & Co.

### 1722 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Anna Mrs	R. L. Polk & Co.

### 1724 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ware Isaac	R. L. Polk & Co.

### 1725 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Southwest Nursery	R. L. Polk & Co.

### 1726 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Davis Freeman	R. L. Polk & Co.

### 1728 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Stephens Alphonso	R. L. Polk & Co.

### 1730 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Brooks Willie	R. L. Polk & Co.

### 1732 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Shann Prince A	R. L. Polk & Co.

## FINDINGS

### 1734 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hall Jos A	R. L. Polk & Co.

### 1736 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lindes Bennie E	R. L. Polk & Co.

### 1738 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bonner Edgar	R. L. Polk & Co.

### 1740 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lomax Melisia	R. L. Polk & Co.

### 1742 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Martin Leonidas	R. L. Polk & Co.

### 1800 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wilson Otto C	R. L. Polk & Co.

### 1802 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Amedeo Earl	R. L. Polk & Co.

### 1804 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Simms Geo	R. L. Polk & Co.

### 1805 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Taylor Jesse	R. L. Polk & Co.
1936	Taylor Jesse	R. L. Polk & Co.

### 1806 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Humphrey Virginia	R. L. Polk & Co.

## FINDINGS

### 1810 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Joyner Joe	R. L. Polk & Co.

### 1812 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Penn Wm	R. L. Polk & Co.

### 1814 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hamilton Wm	R. L. Polk & Co.

### 1816 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Blair Horace	R. L. Polk & Co.

### 1817 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Rollins Geo	R. L. Polk & Co.
1940	Spaulding Edw	R. L. Polk & Co.
1936	Bidwell John P	R. L. Polk & Co.
	Dale Alf C	R. L. Polk & Co.

### 1818 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Albert Emizie	R. L. Polk & Co.

### 1820 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Willie	R. L. Polk & Co.

### 1821 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Fines Thos	R. L. Polk & Co.
1940	Simmonds Harold A	R. L. Polk & Co.
	Anacostia River	R. L. Polk & Co.
	cor Corinthian Yacht Club	R. L. Polk & Co.
	Jackson Fannie Mrs	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.
1936	Jackson Fannie H Mrs	R. L. Polk & Co.

## FINDINGS

### 1822 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Woodland Bruce	R. L. Polk & Co.

### 1824 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Holmes Arline	R. L. Polk & Co.

### 1825 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	POWER Richard atty	The Chesapeake and Potomac Telephone Company of Virginia
1948	Thomas Maurice	R. L. Polk & Co.

### 1826 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Watts Clarence	R. L. Polk & Co.

### 1828 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Guin Arth	R. L. Polk & Co.

### 1830 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Porter Chas	R. L. Polk & Co.

### 1832 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Dority Henry	R. L. Polk & Co.

### 1834 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Harley Jesse L	R. L. Polk & Co.

### 1836 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Kellogg Harold	R. L. Polk & Co.

### 1838 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cephas Robt J	R. L. Polk & Co.



## FINDINGS

### 1840 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Brown Henry	R. L. Polk & Co.

### 1842 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jefferson Edw	R. L. Polk & Co.

### 1844 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Thomas Bennie	R. L. Polk & Co.

### 1846 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Richardson Louise	R. L. Polk & Co.

### 1848 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Stafford Tommie	R. L. Polk & Co.

### 1850 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Anacostia River	R. L. Polk & Co.
	cor Corinthian Yacht	R. L. Polk & Co.
	Jones Boyd L	R. L. Polk & Co.
	Unopened to Xenia	R. L. Polk & Co.

### 1901 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Kerns Lee E	R. L. Polk & Co.

### 1927 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

### 1929 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Vacant	R. L. Polk & Co.

### 1931 1ST ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1936	Lewis Jas R	R. L. Polk & Co.

## FINDINGS

### 1ST/POTOMAC AV

#### 1ST/POTOMAC AV

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/POTOMAC AV	R. L. Polk & Co.
1954	1ST/POTOMAC AV	R. L. Polk & Co.

### 1ST/R

#### 1ST/R

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
1954	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
1948	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.
	1ST/R	R. L. Polk & Co.

### 1ST/S

#### 1ST/S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
1954	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.
1948	1ST/S	R. L. Polk & Co.
	1ST/S	R. L. Polk & Co.

### 1ST/T

#### 1ST/T

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	1ST/T	R. L. Polk & Co.
	1ST/T	R. L. Polk & Co.
1954	1ST/T	R. L. Polk & Co.
	1ST/T	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	1ST/T	R. L. Polk & Co.
	1ST/T	R. L. Polk & Co.

### 2ND SW

#### 1900 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Ford Wm	R. L. Polk & Co.

#### 1904 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Anacostia River	R. L. Polk & Co.
	Ford Wm	R. L. Polk & Co.
1926	Ford Wm	R. L. Polk & Co.

#### 1912 2ND SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Swan Robt	R. L. Polk & Co.
1922	Swann Robt S express	R. L. Polk & Co.

### 2ND ST SW

#### 1905 2ND ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	Becon Services Corp	The Chesapeake and Potomac Telephone Company of Virginia

### 2ND/R

#### 2ND/R

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/R	R. L. Polk & Co.
	2ND/R	R. L. Polk & Co.
1954	2ND/R	R. L. Polk & Co.
	2ND/R	R. L. Polk & Co.

### 2ND/S

#### 2ND/S

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/S	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/S	R. L. Polk & Co.
	2ND/S	R. L. Polk & Co.
1954	2ND/S	R. L. Polk & Co.
	2ND/S	R. L. Polk & Co.
	2ND/S	R. L. Polk & Co.
1948	2ND/S	R. L. Polk & Co.

### 2ND/T

#### 2ND/T

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
1954	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.
1948	2ND/T	R. L. Polk & Co.
	2ND/T	R. L. Polk & Co.

### HALF SW

#### 1701 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Norris Geo A	R. L. Polk & Co.
1926	Dungan Robt	R. L. Polk & Co.
1922	Dungan Wm G	R. L. Polk & Co.

#### 1702 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Fisher Wm R	R. L. Polk & Co.
1922	Penn W F	R. L. Polk & Co.

#### 1704 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Clarke Chas	R. L. Polk & Co.
1922	Clark Chas L	R. L. Polk & Co.

## FINDINGS

### 1800 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Mc Crory Fannie L Mrs	R. L. Polk & Co.
1931	Shaw Walter	R. L. Polk & Co.
1926	Vacant	R. L. Polk & Co.
1922	Kolker A F gro	R. L. Polk & Co.

### 1802 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Howard Ella C Mrs	R. L. Polk & Co.
1931	Hall Eug	R. L. Polk & Co.
1926	Hall Eug	R. L. Polk & Co.
1922	Hall Eugene	R. L. Polk & Co.

### 1804 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	JAKE SNIDER SIGN CO	The Chesapeake Potomac Telephone Co
	SNIDER JAKE SIGN CO	The Chesapeake Potomac Telephone Co
	POTOMAC Potomac Neon Sign Co	The Chesapeake Potomac Telephone Co
1969	POTOMAC Potomac Neon Sign Co	C&P Telephone
	JAKE SNIDER SIGN CO	C&P Telephone

### 1806 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Nelson Dennis	R. L. Polk & Co.
1922	Nelson Dennis	R. L. Polk & Co.

### 1808 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Griggs Harry	R. L. Polk & Co.
1926	Glascoe Annie Mrs	R. L. Polk & Co.
1922	Mason Richd	R. L. Polk & Co.

### 1810 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Jackson Walter	R. L. Polk & Co.
1926	Carter Jos	R. L. Polk & Co.
1922	Hackley Bettie Mrs	R. L. Polk & Co.

## FINDINGS

### 1812 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	UNITED EXPOSITION SERVICE CO	The Chesapeake Potomac Telephone Co
1969	UNITED CONVENTION SERVICE CO	C&P Telephone

### 1816 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	GOLDEN Golden R Services	The Chesapeake Potomac Telephone Co
	MARJACK COMPANY INC THE	The Chesapeake Potomac Telephone Co
1969	ZEP MANUFACTURING CO	C&P Telephone

### 1820 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	MARJACK COMPANNew York INC THE	C&P Telephone
1931	Shorter John	R. L. Polk & Co.
1926	Cook Geo H	R. L. Polk & Co.
1922	Cook Geo H	R. L. Polk & Co.

### 1821 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Vacant	R. L. Polk & Co.
	Continues as Water	R. L. Polk & Co.
1931	Brown Louise	R. L. Polk & Co.
1926	Vacant	R. L. Polk & Co.
1922	Strother Annie Mrs	R. L. Polk & Co.

### 1822 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1926	Hager Raymond	R. L. Polk & Co.
1922	Hager Raymond	R. L. Polk & Co.

### 1823 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Brown Saml	R. L. Polk & Co.
1926	Holter Carroll	R. L. Polk & Co.

### 1824 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1983	Harrison Textile Co	The Chesapeake Potomac Telephone Co
1978	HARRISON Harrison Textile Co	C&P Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	HARRISON Harrison Textile Co	The Chesapeake Potomac Telephone Co
1969	MULTRONICS Mulvey Jas A auto parts	C&P Telephone
	MULTRONICS Mulvey Frank J auto parts	C&P Telephone
	MULTRONICS Mulvey Wm A atty	C&P Telephone
	NATIONAL AUTO SERVICE CO INC	C&P Telephone
	HARRISON Harrison Textile Co	C&P Telephone

### 1825 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Agnew John H	R. L. Polk & Co.
1926	Small Carrie Mrs	R. L. Polk & Co.
1922	Jackson Julia Mrs	R. L. Polk & Co.

### 1900 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	Williams Geo	R. L. Polk & Co.

### 1901 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Vacant	R. L. Polk & Co.
1922	Williams Geo coal	R. L. Polk & Co.

### 1916 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1922	Fugitt Isaac	R. L. Polk & Co.

### 1919 HALF SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1931	Continues as Water	R. L. Polk & Co.
	Fugett Isaac	R. L. Polk & Co.
1926	Fugett Isaac	R. L. Polk & Co.
	Williams Geo	R. L. Polk & Co.

### HALF ST SW

#### 1800 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Vacant	R. L. Polk & Co.
1936	Vacant	R. L. Polk & Co.

## FINDINGS

### 1802 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Vacant	R. L. Polk & Co.
	Vacant	R. L. Polk & Co.
1936	Broome Mamie Mrs nurse	R. L. Polk & Co.
	Mitchell Izie	R. L. Polk & Co.
	Brown Mabel J Mrs	R. L. Polk & Co.

### 1804 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	MASHACK FREDERICK IRON WORKS	Cole Information Services
2007	MASHACK FREDERICK IRON WORKS	Cole Information Services
2006	FREDERICK H	Haines Company, Inc.
	MASHACK	Haines Company, Inc.

### 1812 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	ALTA BICYCLE SHARE	Cole Information Services

### 1816 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	THE CRUCIBLE	Haines Company, Inc.

### 1821 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1940	Thomas Geo	R. L. Polk & Co.
	Continues as Water	R. L. Polk & Co.
1936	Continues as Water	R. L. Polk & Co.
	Davis Horace	R. L. Polk & Co.

### 1824 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	LOCKSMITH	Cole Information Services
	ZIEGFIELDS & SECRETS	Cole Information Services
	EMERGENCY LOCKSMITH 24 HOUR	Cole Information Services
2006	LIMECLUB	Haines Company, Inc.

### 1900 HALF ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	ATRIUM CAFE	Cole Information Services
	ANDERSON LOCKSMITH SERVICE	Cole Information Services



## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	LOCKSMITH SERVICE	Cole Information Services
	ATRIUM CAFE	Cole Information Services
	ANDERSON LOCKSMITH SERVICE	Cole Information Services
	LOCKSMITH SERVICE	Cole Information Services
	ATRIUM CAFE	Cole Information Services
	ANDERSON LOCKSMITH SERVICE	Cole Information Services
	LOCKSMITH SERVICE	Cole Information Services
	2006	CONSTR CORP
JAMES G DAVIS		Haines Company, Inc.
JEMALS RIVERSIDE		Haines Company, Inc.
SES CORP		Haines Company, Inc.

### **POTOMAC/1ST**

#### **POTOMAC/1ST**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	POTOMAC/1ST	R. L. Polk & Co.
1960	POTOMAC/1ST	R. L. Polk & Co.

### **R SW**

#### **101 R SW**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	KOSSOW Koustenis Bill & Co Inc prod	The Chesapeake Potomac Telephone Co
	KOSSOW Koustenis Produce Co Inc	The Chesapeake Potomac Telephone Co
1969	KOSSOW Koustenis Bill & Co Inc prod	C&P Telephone
	KOSSOW Koustenis Produce Co Inc	C&P Telephone

#### **107 R SW**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	HARTMAN Hartman Bros Inc food	C&P Telephone

#### **115 R SW**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	CENTER MARKET PROVISION CO INC	The Chesapeake Potomac Telephone Co
1969	CENTER MARKET PROVISION CO INC	C&P Telephone

#### **133 R SW**

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	DAIRYLAND FOODS INC	C&P Telephone

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	RELIANCE Remco Sales	C&P Telephone

### 135 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1973	ROLAND FOODS INC meats	The Chesapeake Potomac Telephone Co
	GLASS Glass Roland foods	The Chesapeake Potomac Telephone Co
1969	GLASS Glass Roland foods	C&P Telephone
	ROLAND FOODS mts	C&P Telephone

### 137 R SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1969	GRAND Grande Valley Products Inc	C&P Telephone

### R ST SW

#### 101 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	SHIN SUNG SOUVENIR COMPANY WHOLESALE	Cole Information Services
2007	SHIN SUNG SOUVENIR CO	Cole Information Services
2006	TRADING COMPANY	Haines Company, Inc.
	SHINSUNG	Haines Company, Inc.
2000	SHIN SUNG SOUVENIRS	Haines & Company
1993	Shin Sung Trading Company I	The Chesapeake and Potomac Telephone Company of Virginia
1964	Koustenis Bill & Co Inc hotel sups	R. L. Polk & Co.

#### 107 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	No Current Listing	Haines & Company
1993	Willson H Colby Jr	The Chesapeake and Potomac Telephone Company of Virginia
1978	HARTMAN Hartman Foods Inc	C&P Telephone
1973	HARTMAN BROS INC	The Chesapeake Potomac Telephone Co
	Hartman Foods Inc	The Chesapeake Potomac Telephone Co

#### 111 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	111 17 Under construction	R. L. Polk & Co.

## FINDINGS

### 115 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	GEORGETOWN FLOOR COVERING	Cole Information Services
	ALWAYS AFFECTIVE AVAILABLE EMERGENCY	Cole Information Services
2007	CENTER MARKET PROVISION CO INC	Cole Information Services
2006	CENTER MARKET PROVISION CO INC	Haines Company, Inc.
		Haines Company, Inc.
2000	CENTER MARKET PROVISION CO	Haines & Company
1993	Center Market Provision Co Inc	The Chesapeake and Potomac Telephone Company of Virginia
1983	Center Market Provision Co Inc	The Chesapeake Potomac Telephone Co
1978	CENTER Center Market Provision Co Inc	C&P Telephone
1964	Tex Beef & Provision Co whol	R. L. Polk & Co.

### 117 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	111 17 Under construction	R. L. Polk & Co.

### 123 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2012	MULTI LOCKSMITH	Cole Information Services

### 131 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	CENTURY 21	Cole Information Services
2006	CONTRACTORS INC	Haines Company, Inc.
	ITALO	Haines Company, Inc.
2000	ALL METROPOLITAN AREA SERVICES	Haines & Company
	MADIGAN William	Haines & Company
1983	VIENNA BEEF MANUFACTURING CO regional sales ofc	The Chesapeake Potomac Telephone Co
1964	June Dairy Products Co Inc whol	R. L. Polk & Co.
1960	Under construction	R. L. Polk & Co.

### 133 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2000	No Current Listing	Haines & Company
1964	Dairyland Foods Inc whol	R. L. Polk & Co.
1960	Dairyland Foods Inc whol	R. L. Polk & Co.

## FINDINGS

### 135 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2007	LYON BAKERY INC	Cole Information Services
2006	LYON BAKERY INC	Haines Company, Inc.
2000	No Current Listing	Haines & Company
1993	Badge Mate	The Chesapeake and Potomac Telephone Company of Virginia
1983	ROLAND FOODS INC meats	The Chesapeake Potomac Telephone Co
	Glass Roland foods	The Chesapeake Potomac Telephone Co
1978	GLASS Glass Roland foods	C&P Telephone
	ROLAND FOODS INC meats	C&P Telephone
1964	Roland Foods Inc	R. L. Polk & Co.
1960	Furr Bros Poultry Co Inc whol	R. L. Polk & Co.

### 137 R ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
2006	LEOTERRA LLC	Haines Company, Inc.
1964	Grande Valley Products Inc dairy products whol	R. L. Polk & Co.
1960	Grande Valley Products Inc dairy products whol	R. L. Polk & Co.

### R/HALF

#### R/HALF

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	R/HALF	R. L. Polk & Co.
1960	R/HALF	R. L. Polk & Co.

### S ST SW

#### 100 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Stephens Alice	R. L. Polk & Co.

#### 102 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Williams Clarence	R. L. Polk & Co.

#### 103 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	KONATE Alassane	The Chesapeake and Potomac Telephone Company of Virginia

## FINDINGS

### 104 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wells Shelton	R. L. Polk & Co.

### 105 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bldg NCHA ofe	R. L. Polk & Co.
	Syphax Communtty	R. L. Polk & Co.

### 106 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Phillips Oscar	R. L. Polk & Co.

### 108 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Henderson Chas	R. L. Polk & Co.

### 110 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Witlserall Hattle	R. L. Polk & Co.

### 112 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Williamison John	R. L. Polk & Co.

### 114 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Adams Leonard	R. L. Polk & Co.

### 116 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Woodard Jos	R. L. Polk & Co.

### 117 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Butler Calvin	R. L. Polk & Co.

### 118 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Smith Johnnie W	R. L. Polk & Co.

## FINDINGS

### 119 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Fortune Amos	R. L. Polk & Co.

### 121 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Conley Robt	R. L. Polk & Co.

### 123 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Vacant	R. L. Polk & Co.

### 125 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Nelson Jos	R. L. Polk & Co.

### 36 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cunningham Jas W	R. L. Polk & Co.

### 38 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Ruchard Charile	R. L. Polk & Co.

### 40 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Holmes Clifford	R. L. Polk & Co.

### 41 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Briscoe Lewis	R. L. Polk & Co.

### 42 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Logan Christine	R. L. Polk & Co.

### 43 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Evans Samil	R. L. Polk & Co.

### 44 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lester Walter	R. L. Polk & Co.

## FINDINGS

### 45 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Harley Raymond	R. L. Polk & Co.

### 46 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Dunston Mary	R. L. Polk & Co.

### 47 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Gilmore Andrew	R. L. Polk & Co.

### 48 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hall Bernard A	R. L. Polk & Co.

### 49 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bennette Harry	R. L. Polk & Co.

### 50 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Thomas Lee	R. L. Polk & Co.

### 51 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Danner Marv Mrs	R. L. Polk & Co.

### 52 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Biggers Will	R. L. Polk & Co.

### 53 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Weaver Aileen	R. L. Polk & Co.

### 54 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hood Olyus	R. L. Polk & Co.

### 55 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Wm	R. L. Polk & Co.

## FINDINGS

### 56 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Reid Clarence	R. L. Polk & Co.

### 57 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Comedy Paul	R. L. Polk & Co.

### 58 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Sanford Willie	R. L. Polk & Co.

### 59 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hakett Louise Mrs	R. L. Polk & Co.

### 60 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Robertson Azalie Mr	R. L. Polk & Co.

### 61 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Plummer Clara	R. L. Polk & Co.

### 62 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Grant Helen W	R. L. Polk & Co.

### 63 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Bells Hope	R. L. Polk & Co.

### 64 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Addison Wm	R. L. Polk & Co.

### 65 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Turner Edw	R. L. Polk & Co.

### 66 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Yarber Marvin	R. L. Polk & Co.



## FINDINGS

### 67 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Holmes Ruby Mrs	R. L. Polk & Co.

### 68 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cooper John	R. L. Polk & Co.

### 69 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Allen Margueritta	R. L. Polk & Co.

### 70 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Plieifer Vernon	R. L. Polk & Co.

### 71 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Washington Ernest	R. L. Polk & Co.

### 72 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Overton Herman	R. L. Polk & Co.

### 73 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Peppers Ellison V	R. L. Polk & Co.

### 74 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hollis Wm	R. L. Polk & Co.

### 75 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Taylor Wody	R. L. Polk & Co.

### 76 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Dixon Darius	R. L. Polk & Co.

### 78 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jenkins Perry	R. L. Polk & Co.

## FINDINGS

### 80 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wilson Pearl	R. L. Polk & Co.

### 82 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Anderson Robt	R. L. Polk & Co.

### 84 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Smith Annie	R. L. Polk & Co.

### 86 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hawkins Thos	R. L. Polk & Co.

### 88 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Payne Adelaide F Mrs	R. L. Polk & Co.

### 90 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Craven Ernest	R. L. Polk & Co.

### 92 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Crawford Margt	R. L. Polk & Co.

### 94 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Davis Pierce	R. L. Polk & Co.

### 96 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Cole Aura	R. L. Polk & Co.

### 98 S ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Wells Thos	R. L. Polk & Co.

## FINDINGS

### S/HALF

#### S/HALF

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	S/HALF	R. L. Polk & Co.
1960	S/HALF	R. L. Polk & Co.
1948	S/HALF	R. L. Polk & Co.

### T SW

#### 135 T SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1926	T STREET HILL SE Hillsdale From Sheridan Road	R. L. Polk & Co.
	Hunt Henry	R. L. Polk & Co.

#### 49 T SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1943	Day Wm H	R. L. Polk & Co.
1931	Day Wm H	R. L. Polk & Co.
1926	Day Bousi	R. L. Polk & Co.

### T ST SW

#### 101 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hall Granville	R. L. Polk & Co.

#### 103 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hooker Meansie	R. L. Polk & Co.

#### 105 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Hammond Benj	R. L. Polk & Co.

#### 107 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Gauhn Wm	R. L. Polk & Co.

## FINDINGS

### 109 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Tucker Ronce	R. L. Polk & Co.

### 111 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Lewis Jessie	R. L. Polk & Co.

### 113 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Boyd Elsie T	R. L. Polk & Co.

### 115 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Willis Laurence	R. L. Polk & Co.

### 117 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Johnson Chas J	R. L. Polk & Co.

### 119 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Mercer Maude	R. L. Polk & Co.

### 121 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Thomas Clayton	R. L. Polk & Co.

### 123 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Campbell Jos	R. L. Polk & Co.

### 125 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jacob Wm	R. L. Polk & Co.

### 127 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Isabel	R. L. Polk & Co.

### 129 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Jackson Warren	R. L. Polk & Co.

## FINDINGS

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1948	Scott Wm	R. L. Polk & Co.

### 49 T ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	Vacant	R. L. Polk & Co.
1948	Tropical Oils Co veg oils	R. L. Polk & Co. R. L. Polk & Co.
1940	Day Wm H	R. L. Polk & Co.
1936	Day Wm H	R. L. Polk & Co.

### T/HALF

#### T/HALF

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	T/HALF	R. L. Polk & Co.
1960	T/HALF	R. L. Polk & Co.

### T/WATER

#### T/WATER

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1964	T/WATER	R. L. Polk & Co.
1960	T/WATER	R. L. Polk & Co.

### WATER ST SW

#### 50 WATER ST SW

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1993	DUCKETT William H Jr	The Chesapeake and Potomac Telephone Company of Virginia

### WATER/T

#### WATER/T

<u>Year</u>	<u>Uses</u>	<u>Source</u>
1960	WATER/T	R. L. Polk & Co.
1948	WATER/T	R. L. Polk & 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

S Street SW/1st Street SW

#### Address Not Identified in Research Source

2000, 1993, 1983, 1978, 1973, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

### 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

1ST/POTOMAC AV

1ST/R

1ST/S

1ST/T

2ND/R

2ND/S

2ND/T

POTOMAC/1ST

R/HALF

S/HALF

T/HALF

T/WATER

WATER/T

100 S ST SW

101 R SW

101 R ST SW

101 R ST SW

#### Address Not Identified in Research Source

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1960, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 1983, 1978, 1973, 1969, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922



## FINDINGS

### Address Researched

### Address Not Identified in Research Source

117 R ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
117 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
117 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
118 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
119 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
119 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
121 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
121 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
123 R ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
123 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
123 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
125 S ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
125 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
127 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
129 T ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
131 R ST SW	2012, 2007, 1993, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
131 R ST SW	2012, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
133 R SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
133 R ST SW	2012, 2007, 2006, 1993, 1983, 1978, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 R SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 R ST SW	2012, 2007, 1973, 1969, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 R ST SW	2012, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
135 T SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1922
137 R SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922





## FINDINGS

### Address Researched

### Address Not Identified in Research Source

1742 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1800 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1800 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1800 HALF ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1802 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1802 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1802 HALF ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1804 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1804 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1804 HALF ST SW	2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1804 HALF ST SW	2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1805 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1805 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1806 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1806 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1808 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1810 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1810 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1812 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1812 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1812 HALF ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1814 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1816 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1816 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922

## FINDINGS

### Address Researched

### Address Not Identified in Research Source

1816 HALF ST SW	2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1817 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1817 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1931, 1926, 1922
1818 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1820 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1820 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1821 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1821 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1931, 1926, 1922
1821 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1940, 1936
1821 HALF ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1931, 1926, 1922
1822 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1822 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1823 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1922
1824 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1824 HALF SW	2012, 2007, 2006, 2000, 1993, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1824 HALF ST SW	2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1824 HALF ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1825 1ST ST SW	2012, 2007, 2006, 2000, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1825 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1826 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1828 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1830 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1832 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1834 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

## FINDINGS

### Address Researched

### Address Not Identified in Research Source

1836 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1838 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1840 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1842 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1844 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1846 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1848 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1850 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922
1900 2ND SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926
1900 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1922
1900 HALF ST SW	2012, 2007, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1900 HALF ST SW	2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1901 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
1901 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
1901 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1926
1904 2ND SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1922
1905 2ND ST SW	2012, 2007, 2006, 2000, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1912 1 STH 2 SW	2012, 2007, 2006, 2000, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926, 1922
1912 2ND SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931
1916 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1931, 1926
1919 HALF SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936, 1922
1927 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936
1927 1ST ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1931, 1926, 1922
1929 1ST SW	2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1948, 1943, 1940, 1936





## FINDINGS

### **Address Researched**

84 S ST SW

86 S ST SW

88 S ST SW

90 S ST SW

92 S ST SW

94 S ST SW

96 S ST SW

98 S ST SW

### **Address Not Identified in Research Source**

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

2012, 2007, 2006, 2000, 1993, 1983, 1978, 1973, 1969, 1964, 1960, 1954, 1943, 1940, 1936, 1931, 1926, 1922

**APPENDIX D**

**Regulatory Records Documentation**

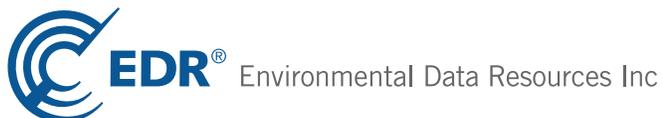


**Buzzard Point**

S Street SW/1st Street SW  
Washington, DC 20024

Inquiry Number: 03660997.2r  
July 10, 2013

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

# TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
Executive Summary .....	ES1
Overview Map .....	2
Detail Map .....	3
Map Findings Summary .....	4
Map Findings .....	7
Orphan Summary .....	260
Government Records Searched/Data Currency Tracking .....	GR-1
 <b><u>GEOCHECK ADDENDUM</u></b>	
Physical Setting Source Addendum .....	A-1
Physical Setting Source Summary .....	A-2
Physical Setting Source Map .....	A-6
Physical Setting Source Map Findings .....	A-7
Physical Setting Source Records Searched .....	A-14

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

#### Disclaimer - Copyright and Trademark Notice

This Report contains certain information obtained from a variety of public and other sources reasonably available to Environmental Data Resources, Inc. It cannot be concluded from this Report that coverage information for the target and surrounding properties does not exist from other sources. **NO WARRANTY EXPRESSED OR IMPLIED, IS MADE WHATSOEVER IN CONNECTION WITH THIS REPORT. ENVIRONMENTAL DATA RESOURCES, INC. SPECIFICALLY DISCLAIMS THE MAKING OF ANY SUCH WARRANTIES, INCLUDING WITHOUT LIMITATION, MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE OR PURPOSE. ALL RISK IS ASSUMED BY THE USER. IN NO EVENT SHALL ENVIRONMENTAL DATA RESOURCES, INC. BE LIABLE TO ANYONE, WHETHER ARISING OUT OF ERRORS OR OMISSIONS, NEGLIGENCE, ACCIDENT OR ANY OTHER CAUSE, FOR ANY LOSS OF DAMAGE, INCLUDING, WITHOUT LIMITATION, SPECIAL, INCIDENTAL, CONSEQUENTIAL, OR EXEMPLARY DAMAGES. ANY LIABILITY ON THE PART OF ENVIRONMENTAL DATA RESOURCES, INC. IS STRICTLY LIMITED TO A REFUND OF THE AMOUNT PAID FOR THIS REPORT.** Purchaser accepts this Report "AS IS". Any analyses, estimates, ratings, environmental risk levels or risk codes provided in this Report are provided for illustrative purposes only, and are not intended to provide, nor should they be interpreted as providing any facts regarding, or prediction or forecast of, any environmental risk for any property. Only a Phase I Environmental Site Assessment performed by an environmental professional can provide information regarding the environmental risk for any property. Additionally, the information provided in this Report is not to be construed as legal advice.

Copyright 2013 by Environmental Data Resources, Inc. All rights reserved. Reproduction in any media or format, in whole or in part, of any report or map of Environmental Data Resources, Inc., or its affiliates, is prohibited without prior written permission.

EDR and its logos (including Sanborn and Sanborn Map) are trademarks of Environmental Data Resources, Inc. or its affiliates. All other trademarks used herein are the property of their respective owners.

## 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 1527-05) or custom requirements developed for the evaluation of environmental risk associated with a parcel of real estate.

### TARGET PROPERTY INFORMATION

#### ADDRESS

S STREET SW/1ST STREET SW  
WASHINGTON, DC 20024

#### COORDINATES

Latitude (North): 38.8683000 - 38° 52' 5.88"  
Longitude (West): 77.0121000 - 77° 0' 43.56"  
Universal Transverse Mercator: Zone 18  
UTM X (Meters): 325434.0  
UTM Y (Meters): 4303878.0  
Elevation: 21 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 38077-G1 ALEXANDRIA, VA DC MD  
Most Recent Revision: 1994

North Map: 38077-H1 WASHINGTON WEST, DC MD VA  
Most Recent Revision: 1983

Northeast Map: 38076-H8 WASHINGTON EAST, DC MD  
Most Recent Revision: 1982

East Map: 38076-G8 ANACOSTIA, DC MD  
Most Recent Revision: 1982

### AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from: 2011, 2012  
Source: USDA

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

## 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***

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

#### ***Federal RCRA non-CORRACTS TSD facilities list***

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

#### ***Federal institutional controls / engineering controls registries***

US INST CONTROL..... Sites with Institutional Controls  
LUCIS..... Land Use Control Information System

#### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

#### ***State- and tribal - equivalent CERCLIS***

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

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

DC SWF/LF..... Solid Waste Facility Listing

#### ***State and tribal leaking storage tank lists***

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

#### ***State and tribal registered storage tank lists***

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

#### ***State and tribal voluntary cleanup sites***

INDIAN VCP..... Voluntary Cleanup Priority Listing

# EXECUTIVE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Brownfield lists**

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

### **Local Lists of Landfill / Solid Waste Disposal Sites**

DEBRIS REGION 9..... Torres Martinez Reservation Illegal Dump Site Locations

ODI..... Open Dump Inventory

INDIAN ODI..... Report on the Status of Open Dumps on Indian Lands

### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs

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

### **Local Land Records**

LIENS 2..... CERCLA Lien Information

### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System

### **Other Ascertainable Records**

DOT OPS..... Incident and Accident Data

CONSENT..... Superfund (CERCLA) Consent Decrees

UMTRA..... Uranium Mill Tailings Sites

US MINES..... Mines Master Index File

TRIS..... Toxic Chemical Release Inventory System

TSCA..... Toxic Substances Control Act

FTTS..... FIFRA/ TSCA Tracking System - FIFRA (Federal Insecticide, Fungicide, & Rodenticide Act)/TSCA (Toxic Substances Control Act)

HIST FTTS..... FIFRA/TSCA Tracking System Administrative Case Listing

SSTS..... Section 7 Tracking Systems

ICIS..... Integrated Compliance Information System

PADS..... PCB Activity Database System

MLTS..... Material Licensing Tracking System

RADINFO..... Radiation Information Database

RMP..... Risk Management Plans

INDIAN RESERV..... Indian Reservations

SCRD DRYCLEANERS..... State Coalition for Remediation of Drycleaners Listing

US AIRS..... Aerometric Information Retrieval System Facility Subsystem

PRP..... Potentially Responsible Parties

EPA WATCH LIST..... EPA WATCH LIST

US FIN ASSUR..... Financial Assurance Information

PCB TRANSFORMER..... PCB Transformer Registration Database

COAL ASH DOE..... Steam-Electric Plant Operation Data

COAL ASH EPA..... Coal Combustion Residues Surface Impoundments List

LEAD SMELTERS..... Lead Smelter Sites

2020 COR ACTION..... 2020 Corrective Action Program List

# EXECUTIVE SUMMARY

## 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.

## STANDARD ENVIRONMENTAL RECORDS

### ***Federal NPL site list***

NPL: Also known as Superfund, the National Priority List database is a subset of CERCLIS and identifies over 1,200 sites for priority cleanup under the Superfund program. The source of this database is the U.S. EPA.

A review of the NPL list, as provided by EDR, and dated 04/26/2013 has revealed that there is 1 NPL site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>WASHINGTON NAVY YARD</i></b>	<b><i>1013 O STREET SE</i></b>	<b><i>ENE 1/2 - 1 (0.639 mi.)</i></b>	<b><i>0</i></b>	<b><i>7</i></b>

### ***Federal CERCLIS list***

CERCLIS: The Comprehensive Environmental Response, Compensation and Liability Information System 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

A review of the CERCLIS list, as provided by EDR, and dated 02/04/2013 has revealed that there is 1 CERCLIS site within approximately 0.5 miles of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b><i>FORT MCNAIR</i></b>	<b><i>350 P STREET SW</i></b>	<b><i>NW 1/8 - 1/4 (0.202 mi.)</i></b>	<b><i>P81</i></b>	<b><i>203</i></b>

## EXECUTIVE SUMMARY

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP: Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

A review of the CERC-NFRAP list, as provided by EDR, and dated 02/05/2013 has revealed that there are 3 CERC-NFRAP 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>
<b>WARRING, JAMES T SONS INC</b>	<b>1321 S CAPITOL ST SW</b>	<b>NNE 1/4 - 1/2 (0.256 mi.)</b>	<b>S93</b>	<b>229</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WASHINGTON D.C. SEWER MYSTERY	150 O STREET	NE 1/4 - 1/2 (0.329 mi.)	T96	231
<b>NAVAL SUPPORT FACILITY ANACOST</b>	<b>2701 SOUTH CAPITOL STRE</b>	<b>SSW 1/4 - 1/2 (0.390 mi.)</b>	<b>100</b>	<b>233</b>

### ***Federal RCRA CORRACTS facilities list***

CORRACTS: CORRACTS is a list of handlers with RCRA Corrective Action Activity. This report shows which nationally-defined corrective action core events have occurred for every handler that has had corrective action activity.

A review of the CORRACTS list, as provided by EDR, and dated 02/12/2013 has revealed that there is 1 CORRACTS site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WASHINGTON NAVY YARD</b>	<b>1013 O STREET SE</b>	<b>ENE 1/2 - 1 (0.639 mi.)</b>	<b>0</b>	<b>7</b>

### ***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 02/12/2013 has revealed that there are 2 RCRA-SQG sites 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>
<b>US COAST GUARD HSC-K</b>	<b>2100 SECOND STREET SW</b>	<b>SSW 1/8 - 1/4 (0.169 mi.)</b>	<b>N70</b>	<b>191</b>
<b>FORT MCNAIR</b>	<b>350 P STREET SW</b>	<b>NW 1/8 - 1/4 (0.202 mi.)</b>	<b>P81</b>	<b>203</b>

## EXECUTIVE SUMMARY

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 02/12/2013 has revealed that there are 9 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>
SUPER SALVAGE INC	1711 FIRST STREET SW	0 - 1/8 (0.000 mi.)	C12	65
<b>USA MOTORS INC</b>	<b>45 Q STREET SW</b>	<b>NNE 0 - 1/8 (0.032 mi.)</b>	<b>D15</b>	<b>69</b>
<b>GOLD STAR SERVICES</b>	<b>39 Q STREET SW</b>	<b>NE 0 - 1/8 (0.047 mi.)</b>	<b>D20</b>	<b>92</b>
<b>SINGH TRANSMISSION C/O AUTOMOT</b>	<b>1505 SOUTH CAPITOL STRE</b>	<b>NNE 1/8 - 1/4 (0.126 mi.)</b>	<b>J51</b>	<b>160</b>
NATIONALS PARK	1500 SOUTH CAPITOL STRE	NE 1/8 - 1/4 (0.163 mi.)	L61	181
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AUTO WARD INC.</b>	<b>129 Q STREET SW</b>	<b>NNW 0 - 1/8 (0.069 mi.)</b>	<b>F22</b>	<b>105</b>
<b>PAK-AMERICAN CORPORATION</b>	<b>1625 SOUTH CAPITOL STRE</b>	<b>ENE 0 - 1/8 (0.073 mi.)</b>	<b>G33</b>	<b>138</b>
PEPCO BUZZARD POINT GENERATING	1ST & V STREETS SW	S 0 - 1/8 (0.077 mi.)	I34	143
<b>PEPCO BUZZARD PT GENERATING ST</b>	<b>1ST V STS SW</b>	<b>S 0 - 1/8 (0.077 mi.)</b>	<b>I35</b>	<b>145</b>

### State and tribal leaking storage tank lists

DC LUST: The Leaking Underground Storage Tank Incident Reports contain an inventory of reported leaking underground storage tank incidents. The data come from the Department of Consumer and Regulatory Affairs' District of Columbia LUST Cases list.

A review of the DC LUST list, as provided by EDR, and dated 04/10/2013 has revealed that there are 33 DC 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>
HOME MOVING & STORAGE	1812 HALF ST., SW	0 - 1/8 (0.000 mi.)	B5	63
SUPER SALVAGE, INC.	1711 1ST STREET., SW	0 - 1/8 (0.000 mi.)	C9	64
METRO BUILDING SUPPLY	50 Q STREET, SW	NNE 0 - 1/8 (0.027 mi.)	D13	68
<b>OPPORTUNITY CONCRETE CORP</b>	<b>1601 S CAPITOL ST SW</b>	<b>NE 0 - 1/8 (0.073 mi.)</b>	<b>H30</b>	<b>135</b>
STEUART INVESTMENT CO.	1724 S. CAPITOL ST, SE	NE 0 - 1/8 (0.094 mi.)	H41	153
<b>Not reported</b>	<b>1620 SOUTH CAPITOL ST S</b>	<b>NE 0 - 1/8 (0.108 mi.)</b>	<b>J45</b>	<b>154</b>
<b>LAUNDROMAT</b>	<b>1530 1ST ST SW</b>	<b>N 0 - 1/8 (0.117 mi.)</b>	<b>K49</b>	<b>159</b>
WASHINGTON REAL ESTATE INVESTM	1501 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.127 mi.)	J54	176
<b>POTOMAC CAB COMPANY</b>	<b>1345 S CAPITOL ST SW</b>	<b>NNE 1/8 - 1/4 (0.235 mi.)</b>	<b>Q86</b>	<b>222</b>
<b>WEBER'S WHITE TRUCKS,INC.</b>	<b>1331 HALF ST SE</b>	<b>NNE 1/4 - 1/2 (0.359 mi.)</b>	<b>97</b>	<b>232</b>
AMOCO	1244 SOUTH CAPITAL ST.	NNE 1/4 - 1/2 (0.371 mi.)	U98	233
PUBLIC STORAGE, INC.	1230 SOUTH CAPITOL ST.,	NNE 1/4 - 1/2 (0.393 mi.)	U101	253
<b>PUBLIC STORAGE</b>	<b>1230 SOUTH CAPITOL STRE</b>	<b>NNE 1/4 - 1/2 (0.393 mi.)</b>	<b>U102</b>	<b>253</b>
17 M ST. LLC/WMATA	17 M STREET, SE	NNE 1/4 - 1/2 (0.429 mi.)	V103	253
LERNER ENTERPRISES	20 M STREET, SE	NNE 1/4 - 1/2 (0.439 mi.)	V106	255
MONUMENT REALTY	55 M STREET	NNE 1/4 - 1/2 (0.451 mi.)	W109	257
SUNOCO	50 M STREET, SE	NNE 1/4 - 1/2 (0.456 mi.)	W110	257
80 M TRACKS LTD PARTNERS	80 M STREET, SE	NNE 1/4 - 1/2 (0.483 mi.)	W111	257
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>PEPCO BUZZARD - TANK # 1</b>	<b>180 S STREET, SW</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A2</b>	<b>62</b>



## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AT&amp;T - 1714 2ND ST SW</b>	<b>1714 2ND STREET, SW</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A4</b>	<b>63</b>
<b>WESTWOOD MANAGEMENT CORPORATION</b>	<b>900 HALF ST SW</b>	<b>SE 0 - 1/8 (0.037 mi.)</b>	<b>E18</b>	<b>91</b>
STEUART PETROLEUM	1721 S. CAPITOL STREET,	ENE 0 - 1/8 (0.072 mi.)	G25	130
625 SOUTH CAPITOL STREET LLC	1625 SOUTH CAPITOL STRE	NE 0 - 1/8 (0.073 mi.)	H32	138
PEPCO - BUZZARD POINT	33 V STREET, SW	S 0 - 1/8 (0.077 mi.)	I37	149
NPS - JAMES CREEK MARINA	200 V STREET, SW	SSW 1/8 - 1/4 (0.168 mi.)	N68	190
DC MATERIALS CO./ FLORIDA ROCK	25 POTOMAC AVE, SE	NE 1/8 - 1/4 (0.173 mi.)	O71	195
VIRGINIA PAVING	60 P STREET, SE	NE 1/8 - 1/4 (0.193 mi.)	R79	202
DC SPORTS COMMISSION	60-80 O STREET, SE	NE 1/4 - 1/2 (0.306 mi.)	T94	230
DC DPW FLEET MANAGEMENT	125 O STREET, SE	NE 1/4 - 1/2 (0.325 mi.)	T95	231
<b>BOWEN ELEMENTARY SCHOOL</b>	<b>101 M ST SW</b>	<b>N 1/4 - 1/2 (0.436 mi.)</b>	<b>104</b>	<b>254</b>
<b>ADMIRAL LIMOUSINE COMPANY</b>	<b>1245 1ST ST SE</b>	<b>NNE 1/4 - 1/2 (0.439 mi.)</b>	<b>105</b>	<b>254</b>
<b>GREENLEAF SENIOR GARDENS</b>	<b>1200 DELAWARE AV SW</b>	<b>N 1/4 - 1/2 (0.450 mi.)</b>	<b>108</b>	<b>256</b>
21 L, LLC	21 L STREET, SW	N 1/4 - 1/2 (0.494 mi.)	112	258

### State and tribal registered storage tank lists

DC 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 Consumer & Regulatory Affairs' D.C. UST Database List.

A review of the DC UST list, as provided by EDR, and dated 04/10/2013 has revealed that there are 27 DC 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>
BORGER MANAGEMENT, INC.	1812 HALF ST SW	0 - 1/8 (0.000 mi.)	B6	63
SUPER SALVAGE INC.	1711 1ST ST SW	0 - 1/8 (0.000 mi.)	C10	65
METRO BUILDING SUPPLY CO.	50 Q ST SW	NNE 0 - 1/8 (0.027 mi.)	D14	68
OPPORTUNITY CONCRETE GARAGE.	1601 S CAPITOL ST SW	NE 0 - 1/8 (0.073 mi.)	H29	134
FEDDERLINE.	1724 S CAPITOL ST SW	NE 0 - 1/8 (0.094 mi.)	H38	150
AMERADA HESS CORP.	1620 S CAPITOL ST SE	NE 0 - 1/8 (0.108 mi.)	J47	157
<b>LAUNDROMAT</b>	<b>1530 1ST ST SW</b>	<b>N 0 - 1/8 (0.117 mi.)</b>	<b>K49</b>	<b>159</b>
FIVE SAC SELF-STORAGE	1501 S CAPITOL ST SW10	NNE 1/8 - 1/4 (0.127 mi.)	J55	177
ANACOSTIA READY MIX PLANT	1522 S CAPITOL ST SE	NE 1/8 - 1/4 (0.130 mi.)	J57	180
BASEBALL STADIUM	1500 SOUTH CAPITOL ST S	NE 1/8 - 1/4 (0.163 mi.)	L62	182
DC PUBLIC SCHOOL SYSTEM	50 O ST SW	N 1/8 - 1/4 (0.189 mi.)	75	197
SYPHAX SCHOOL	1360 HALF ST SW	NNE 1/8 - 1/4 (0.228 mi.)	83	218
BOB SEGALL	1354 SOUTH CAPITOL ST S	NNE 1/8 - 1/4 (0.235 mi.)	Q84	219
<b>POTOMAC CAB COMPANY</b>	<b>1345 S CAPITOL ST SW</b>	<b>NNE 1/8 - 1/4 (0.235 mi.)</b>	<b>Q86</b>	<b>222</b>

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
ATTIS	1714 2ND ST SW	0 - 1/8 (0.000 mi.)	A3	62
PEPCO	1ST & T ST SW	0 - 1/8 (0.000 mi.)	7	64
<b>WESTWOOD MANAGEMENT CORPORATION</b>	<b>900 HALF ST SW</b>	<b>SE 0 - 1/8 (0.037 mi.)</b>	<b>E18</b>	<b>91</b>
CABCO INC.	129 Q ST SW	NNW 0 - 1/8 (0.069 mi.)	F23	130
STEUART PETROLEUM COMPANY.	1721 S CAPITOL ST SW	ENE 0 - 1/8 (0.072 mi.)	G26	131
GOOSE BAY AGGREGATE, INC.	2 S ST SW	E 0 - 1/8 (0.073 mi.)	28	133
SOLOM AUTOMATED SERVICES	1625 S CAPITOL ST SW	NE 0 - 1/8 (0.073 mi.)	H31	138
<b>PEPCO BUZZARD PT GENERATING ST</b>	<b>1ST V STS SW</b>	<b>S 0 - 1/8 (0.077 mi.)</b>	<b>I35</b>	<b>145</b>
BUZZARD POINT FACILITY	180 S ST SW	S 0 - 1/8 (0.077 mi.)	I36	149
JAMES CREEK MARINA	200 V ST SW	SSW 1/8 - 1/4 (0.168 mi.)	N69	191
D.C. MATERIALS CO.	25 POTOMAC AV SE	NE 1/8 - 1/4 (0.173 mi.)	O72	195

## EXECUTIVE SUMMARY

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
FORMER DISTRICT PAVING - ASPHA	60 P ST SE	NE 1/8 - 1/4 (0.193 mi.)	R77	198
CHANNEL SQUARE APARTMENTS	325 P ST SW	NW 1/8 - 1/4 (0.238 mi.)	87	223

DC AST: The Aboveground Storage Tank database contains registered ASTs. The data come from the Department of Consumer & Regulatory Affairs' D.C. AST Database List.

A review of the DC AST list, as provided by EDR, and dated 04/10/2013 has revealed that there is 1 DC AST 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>
JONES TRANSPORTATION	1342 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.239 mi.)	Q89	227

### **State and tribal voluntary cleanup sites**

DC VCP: The Voluntary Cleanup Program oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses.

A review of the DC VCP list, as provided by EDR, and dated 01/09/2013 has revealed that there is 1 DC VCP site 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>
DC SPORT & ENTERTAINMENT COM	1500 S. CAPITAL ST. S.E	NE 1/8 - 1/4 (0.163 mi.)	L63	184

### **State and tribal Brownfields sites**

DC BROWNFIELDS: A listing of potential brownfields site locations.

A review of the DC BROWNFIELDS list, as provided by EDR, and dated 11/20/2012 has revealed that there are 13 DC BROWNFIELDS 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	1824 HALF STREET, SW	0 - 1/8 (0.000 mi.)	B8	64
Not reported	1700 1ST STREET, SW	0 - 1/8 (0.000 mi.)	C11	65
Not reported	1724 SOUTH CAPITOL ST S	NE 0 - 1/8 (0.094 mi.)	H39	152
<b>Not reported</b>	<b>1620 SOUTH CAPITOL ST S</b>	<b>NE 0 - 1/8 (0.108 mi.)</b>	<b>J45</b>	<b>154</b>
Not reported	1236 SOUTH CAPITOL STRE	NNE 1/4 - 1/2 (0.387 mi.)	U99	233
<b>PUBLIC STORAGE</b>	<b>1230 SOUTH CAPITOL STRE</b>	<b>NNE 1/4 - 1/2 (0.393 mi.)</b>	<b>U102</b>	<b>253</b>
Not reported	0020 M STREET, SE	NNE 1/4 - 1/2 (0.439 mi.)	V107	256

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	100 S STREET, SW	0 - 1/8 (0.000 mi.)	1	61
<b>PEPCO BUZZARD - TANK # 1</b>	<b>180 S STREET, SW</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A2</b>	<b>62</b>
<b>AT&amp;T - 1714 2ND ST SW</b>	<b>1714 2ND STREET, SW</b>	<b>0 - 1/8 (0.000 mi.)</b>	<b>A4</b>	<b>63</b>
Not reported	1900 HALF STREET, SW	SE 0 - 1/8 (0.037 mi.)	E17	91
Not reported	100 V STREET, SW	S 1/8 - 1/4 (0.168 mi.)	M66	190
Not reported	0200 V STREET, SW	SSW 1/8 - 1/4 (0.168 mi.)	N67	190

# EXECUTIVE SUMMARY

## ADDITIONAL ENVIRONMENTAL RECORDS

### **Local Lists of Registered Storage Tanks**

DC HIST UST: During the process of the database upgrade, all facilities that the UST Program was unable to confirm their existence were removed from the working revelation UST Database before the conversion and put into an excel spreadsheet. These facilities became known as "Project Unknown". This listing is not current and has been not updated.

A review of the DC HIST UST list, as provided by EDR, and dated 12/31/1999 has revealed that there are 7 DC HIST 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>
UNKNOWN	1620 1ST ST SW	N 0 - 1/8 (0.040 mi.)	F19	92
UNKNOWN	1615 1ST ST SW	N 0 - 1/8 (0.049 mi.)	F21	105
UNKNOWN	1513 HALF ST SW	NNE 0 - 1/8 (0.104 mi.)	43	154
LANSBURGH BROTHERS	10 P ST SW	NNE 1/8 - 1/4 (0.127 mi.)	L53	176
UNKNOWN	1400 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.192 mi.)	Q76	197
UNKNOWN	1334 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.241 mi.)	S91	227
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
UNKNOWN	321 P ST SW	NW 1/8 - 1/4 (0.187 mi.)	P74	197

### **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 02/12/2013 has revealed that there are 10 RCRA NonGen / NLR 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>
<b>OPPORTUNITY CONCRETE CORP</b>	<b>1601 S CAPITOL ST SW</b>	<b>NE 0 - 1/8 (0.073 mi.)</b>	<b>H30</b>	<b>135</b>
<b>AMERADA HESS CORP</b>	<b>1620 SOUTH CAPITOL STRE</b>	<b>NE 0 - 1/8 (0.108 mi.)</b>	<b>J46</b>	<b>155</b>
<b>G S A CENTRAL SUPPORT FIELD OF</b>	<b>10 P STREET SW</b>	<b>NNE 1/8 - 1/4 (0.127 mi.)</b>	<b>L52</b>	<b>173</b>
<b>SERCO MANAGEMENT SERVICES</b>	<b>1501 SOUTH CAPITOL ST S</b>	<b>NNE 1/8 - 1/4 (0.130 mi.)</b>	<b>J56</b>	<b>177</b>
1430 P STREET WAREHOUSE	1430 SOUTH CAPITOL STRE	NNE 1/8 - 1/4 (0.178 mi.)	L73	195
<b>CUSTOM TOWING &amp; AUTO REPAIR</b>	<b>1345 SOUTH CAPITOL STRE</b>	<b>NNE 1/8 - 1/4 (0.235 mi.)</b>	<b>Q85</b>	<b>219</b>
<b>JONES TRANSPORTATION CO</b>	<b>1342 SOUTH CAPITOL STRE</b>	<b>NNE 1/8 - 1/4 (0.239 mi.)</b>	<b>Q88</b>	<b>223</b>
WARRING, JAMES T SONS INC	1330 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.242 mi.)	S92	228
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
STEUART PETRO CO SO CAPITOL TE	1721 S CAPITOL ST NW	ENE 0 - 1/8 (0.072 mi.)	G27	131
<b>DISTRICT PAVING CORPORATION</b>	<b>60 P STREET SE</b>	<b>NE 1/8 - 1/4 (0.193 mi.)</b>	<b>R78</b>	<b>200</b>

## EXECUTIVE SUMMARY

DOD: 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.

A review of the DOD list, as provided by EDR, and dated 12/31/2005 has revealed that there is 1 DOD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
NAVAL STATION ANACOSTIA		0 - 1/8 (0.000 mi.)	0	7

FUDS: 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.

A review of the FUDS list, as provided by EDR, and dated 12/31/2011 has revealed that there is 1 FUDS site within approximately 1 mile of the target property.

<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
WASHINGTON NAVY YARD		NE 1/2 - 1 (0.646 mi.)	113	258

ROD: Record of Decision. ROD documents mandate a permanent remedy at an NPL (Superfund) site containing technical and health information to aid the cleanup.

A review of the ROD list, as provided by EDR, and dated 12/18/2012 has revealed that there is 1 ROD site within approximately 1 mile of the target property.

<u>Equal/Higher Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>WASHINGTON NAVY YARD</b>	<b>1013 O STREET SE</b>	<b>ENE 1/2 - 1 (0.639 mi.)</b>	<b>0</b>	<b>7</b>

NJ MANIFEST: Hazardous waste manifest information.

A review of the NJ MANIFEST list, as provided by EDR, has revealed that there are 5 NJ MANIFEST 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>
<b>USA MOTORS INC</b>	<b>45 Q STREET SW</b>	<b>NNE 0 - 1/8 (0.032 mi.)</b>	<b>D15</b>	<b>69</b>
<b>GOLD STAR SERVICES</b>	<b>39 Q STREET SW</b>	<b>NE 0 - 1/8 (0.047 mi.)</b>	<b>D20</b>	<b>92</b>
<b>SINGH TRANSMISSION C/O AUTOMOT</b>	<b>1505 SOUTH CAPITOL STRE</b>	<b>NNE 1/8 - 1/4 (0.126 mi.)</b>	<b>J51</b>	<b>160</b>
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
<b>AUTO WARD INC.</b>	<b>129 Q STREET SW</b>	<b>NNW 0 - 1/8 (0.069 mi.)</b>	<b>F22</b>	<b>105</b>
<b>PAK-AMERICAN CORPORATION</b>	<b>1625 SOUTH CAPITOL STRE</b>	<b>ENE 0 - 1/8 (0.073 mi.)</b>	<b>G33</b>	<b>138</b>

PA MANIFEST: Hazardous waste manifest information.

A review of the PA MANIFEST list, as provided by EDR, has revealed that there are 2 PA MANIFEST sites 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>
<b>US COAST GUARD HSC-K</b>	<b>2100 SECOND STREET SW</b>	<b>SSW 1/8 - 1/4 (0.169 mi.)</b>	<b>N70</b>	<b>191</b>
<b>FORT MCNAIR</b>	<b>350 P STREET SW</b>	<b>NW 1/8 - 1/4 (0.202 mi.)</b>	<b>P81</b>	<b>203</b>

## EXECUTIVE SUMMARY

NY MANIFEST: Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a TSD facility.

A review of the NY MANIFEST list, as provided by EDR, has revealed that there are 2 NY MANIFEST sites 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>
POTOMAC ELECT POWER CO/BUZZARD	1ST & V ST/SW	S 1/8 - 1/4 (0.167 mi.)	M64	184
<b>FORT MCNAIR</b>	<b>350 P STREET SW</b>	<b>NW 1/8 - 1/4 (0.202 mi.)</b>	<b>P81</b>	<b>203</b>

### EDR HIGH RISK HISTORICAL RECORDS

#### **EDR Exclusive Records**

EDR US Hist Auto Stat: EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Auto Stat list, as provided by EDR, has revealed that there are 9 EDR US Hist Auto Stat 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>
Not reported	45 Q ST SW	NNE 0 - 1/8 (0.032 mi.)	D16	90
GULF OIL CORP (BULK PLANT)	1724 S CAPITOL ST SE	NE 0 - 1/8 (0.094 mi.)	H40	152
Not reported	1505 S CAPITOL ST SW	NE 0 - 1/8 (0.094 mi.)	J42	153
TRANSMISSION S INC	1509 SOUTH CAPITOL TER	NNE 0 - 1/8 (0.123 mi.)	J50	159
BRIDGEWAY MOTORS	1343-45 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.151 mi.)	L59	180
CAMPBELL S GARAGE	1327 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.167 mi.)	L65	189
Not reported	1345 S CAPITOL ST SW	NNE 1/8 - 1/4 (0.221 mi.)	Q82	218
Not reported	1342 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.239 mi.)	Q90	227
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
Not reported	129 Q ST SW	NNW 0 - 1/8 (0.069 mi.)	F24	130

EDR US Hist Cleaners: EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

A review of the EDR US Hist Cleaners list, as provided by EDR, has revealed that there are 5 EDR US

## EXECUTIVE SUMMARY

Hist Cleaners 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>
Not reported	1546 1ST ST SW	N 0 - 1/8 (0.104 mi.)	K44	154
ASSOCIATED LAUNDRIES	1507 S CAPITOL ST SE	NE 0 - 1/8 (0.112 mi.)	J48	159
HOWARD S ODORIESS CLEANERS (PL	1347 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.147 mi.)	L58	180
HOWARD S ODORLESS CLEANERS	1343 S CAPITOL ST SE	NNE 1/8 - 1/4 (0.151 mi.)	L60	181
<u>Lower Elevation</u>	<u>Address</u>	<u>Direction / Distance</u>	<u>Map ID</u>	<u>Page</u>
SMITH THEO N	234 3RD AVE SW	NW 1/8 - 1/4 (0.194 mi.)	80	203

## EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 20 records.

<u>Site Name</u>	<u>Database(s)</u>
MSP AVIATION DIV. WASHINGTON	HIST UST
ANACOSTIA DRUM SITE	CERCLIS-NFRAP
CUSTIS & BROWN BARGE SPILL	CERCLIS-NFRAP
LAUNDROMAT OF BONG YEE	LUST
DELWIN APARTMENTS	LUST
FT. MCNAIR, BLDG #37, TANK #5	LUST
SQUARE 669 LTD	LUST
PEPCO	LUST
ROADSIDE DEVELOPMENT, INC.	LUST
PEPCO	AST
WASHINGTON D C DEPT OF PUBLIC WORK	RCRA-NLR,MANIFEST
FEDERAL OFFICE BUILDING 8 (FOB 8)	RCRA-NLR
LECKIE ELEMENTARY SCHOOL	RCRA-NLR
KRAMER JUNIOR HIGH SCHOOL (PUBLIC	RCRA-CESQG
EASTERN SENIOR HIGH SCHOOL (PUBLIC	RCRA-CESQG
BUZZARD POINT GENERATING STATION	FINDS
BUZZARD POINT FACILITY	FINDS
NATIONAL PARK SERVICE - EAST POTOM	FINDS
I & R TRANSMISSION	MANIFEST
THURGOOD MARSHALL ACADEMY	MANIFEST

# OVERVIEW MAP - 03660997.2r



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

Indian Reservations BIA

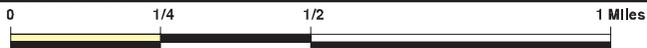
County Boundary

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory



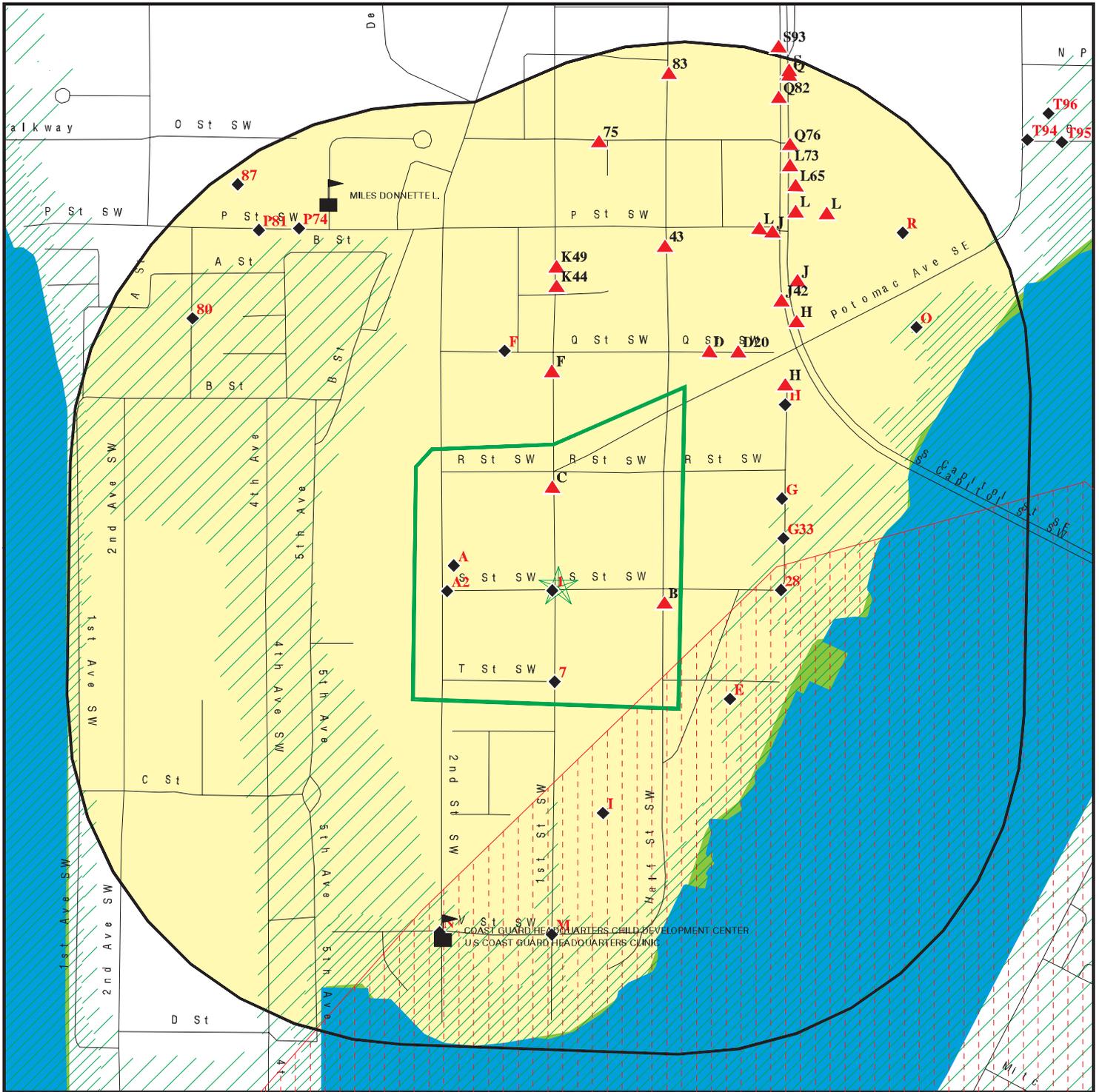
This report includes Interactive Map Layers to display and/or hide map information. The legend includes only those icons for the default map view.

SITE NAME: Buzzard Point  
 ADDRESS: S Street SW/1st Street SW  
 Washington DC 20024  
 LAT/LONG: 38.8683 / 77.0121

CLIENT: Haley & Aldrich, Inc.  
 CONTACT: Kristen Wright-Ng  
 INQUIRY #: 03660997.2r  
 DATE: July 10, 2013 4:25 pm



# DETAIL MAP - 03660997.2r



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

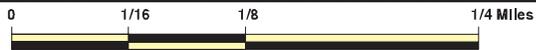
Indian Reservations BIA

Oil & Gas pipelines from USGS

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: Buzzard Point  
 ADDRESS: S Street SW/1st Street SW  
 Washington DC 20024  
 LAT/LONG: 38.8683 / 77.0121

CLIENT: Haley & Aldrich, Inc.  
 CONTACT: Kristen Wright-Ng  
 INQUIRY #: 03660997.2r  
 DATE: July 10, 2013 4:26 pm

## 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
<b>STANDARD ENVIRONMENTAL RECORDS</b>								
<b><i>Federal NPL site list</i></b>								
NPL	1.000		0	0	0	1	NR	1
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
<b><i>Federal Delisted NPL site list</i></b>								
Delisted NPL	1.000		0	0	0	0	NR	0
<b><i>Federal CERCLIS list</i></b>								
CERCLIS	0.500		0	1	0	NR	NR	1
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
<b><i>Federal CERCLIS NFRAP site List</i></b>								
CERC-NFRAP	0.500		0	0	3	NR	NR	3
<b><i>Federal RCRA CORRACTS facilities list</i></b>								
CORRACTS	1.000		0	0	0	1	NR	1
<b><i>Federal RCRA non-CORRACTS TSD facilities list</i></b>								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
<b><i>Federal RCRA generators list</i></b>								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	2	NR	NR	NR	2
RCRA-CESQG	0.250		7	2	NR	NR	NR	9
<b><i>Federal institutional controls / engineering controls registries</i></b>								
US ENG CONTROLS	0.500		0	0	0	NR	NR	0
US INST CONTROL	0.500		0	0	0	NR	NR	0
LUCIS	0.500		0	0	0	NR	NR	0
<b><i>Federal ERNS list</i></b>								
ERNS	TP		NR	NR	NR	NR	NR	0
<b><i>State- and tribal - equivalent CERCLIS</i></b>								
DC SHWS	1.000		0	0	0	0	NR	0
<b><i>State and tribal landfill and/or solid waste disposal site lists</i></b>								
DC SWF/LF	0.500		0	0	0	NR	NR	0
<b><i>State and tribal leaking storage tank lists</i></b>								
DC LUST	0.500		13	5	15	NR	NR	33
INDIAN LUST	0.500		0	0	0	NR	NR	0
<b><i>State and tribal registered storage tank lists</i></b>								
DC UST	0.250		16	11	NR	NR	NR	27

## 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
DC AST	0.250		0	1	NR	NR	NR	1
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
DC VCP	0.500		0	1	0	NR	NR	1
INDIAN VCP	0.500		0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
DC BROWNFIELDS	0.500		8	2	3	NR	NR	13
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
<b>Local Lists of Registered Storage Tanks</b>								
DC HIST UST	0.250		3	4	NR	NR	NR	7
<b>Local Land Records</b>								
LIENS 2	TP		NR	NR	NR	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS	TP		NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA NonGen / NLR	0.250		3	7	NR	NR	NR	10
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		1	0	0	0	NR	1
FUDS	1.000		0	0	0	1	NR	1
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	1	NR	1
UMTRA	0.500		0	0	0	NR	NR	0
US MINES	0.250		0	0	NR	NR	NR	0
TRIS	TP		NR	NR	NR	NR	NR	0
TSCA	TP		NR	NR	NR	NR	NR	0
FTTS	TP		NR	NR	NR	NR	NR	0
HIST FTTS	TP		NR	NR	NR	NR	NR	0
SSTS	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
ICIS	TP		NR	NR	NR	NR	NR	0
PADS	TP		NR	NR	NR	NR	NR	0
MLTS	TP		NR	NR	NR	NR	NR	0
RADINFO	TP		NR	NR	NR	NR	NR	0
FINDS	TP		NR	NR	NR	NR	NR	0
RAATS	TP		NR	NR	NR	NR	NR	0
RMP	TP		NR	NR	NR	NR	NR	0
NJ MANIFEST	0.250		4	1	NR	NR	NR	5
PA MANIFEST	0.250		0	2	NR	NR	NR	2
NY MANIFEST	0.250		0	2	NR	NR	NR	2
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
PCB TRANSFORMER	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
LEAD SMELTERS	TP		NR	NR	NR	NR	NR	0
2020 COR ACTION	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
EDR US Hist Auto Stat	0.250		5	4	NR	NR	NR	9
EDR US Hist Cleaners	0.250		2	3	NR	NR	NR	5

#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

DOD  
Region

NAVAL STATION ANACOSTIA  
NAVAL STATION ANACOSTIA (County), DC

DOD CUSA133908  
N/A

< 1/8  
1 ft.

DOD:  
Feature 1: Navy DOD  
Feature 2: Not reported  
Feature 3: Not reported  
URL: Not reported  
Name 1: Naval Station Anacostia  
Name 2: Not reported  
Name 3: Not reported  
State: DC  
DOD Site: Yes  
Tile name: DCWASHINGTON

NPL  
Region  
ENE  
1/2-1  
3372 ft.

WASHINGTON NAVY YARD  
1013 O STREET SE  
WASHINGTON NAVY YARD, DC 20374

NPL 1000147680  
CERCLIS DC9170024310  
CORRACTS  
RCRA-LQG  
US ENG CONTROLS  
ROD  
NY MANIFEST  
PA MANIFEST

NPL:  
EPA ID: DC9170024310  
EPA Region: 03  
Federal: Y  
Final Date: 1998-07-28 00:00:00

Site Details:  
Site Name: WASHINGTON NAVY YARD  
Site Status: Final  
Site Zip: 203740001  
Site City: WASHINGTON  
Site State: DC  
Federal Site: Yes  
Site County: DISTRICT OF COLUMBIA  
EPA Region: 03  
Date Proposed: 03/06/98  
Date Deleted: Not reported  
Date Finalized: 07/28/98

Substance Details:  
NPL Status: Currently on the Final NPL  
Substance ID: Not reported  
Substance: Not reported  
CAS #: Not reported  
Pathway: Not reported  
Scoring: Not reported  
  
NPL Status: Currently on the Final NPL  
Substance ID: A003  
Substance: ANTIMONY AND COMPOUNDS  
CAS #: Not reported  
Pathway: NO PATHWAY INDICATED

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Scoring: 1

NPL Status: Currently on the Final NPL  
Substance ID: A005  
Substance: ARSENIC AND COMPOUNDS  
CAS #: Not reported  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A011  
Substance: BERYLLIUM AND COMPOUNDS  
CAS #: Not reported  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A020  
Substance: CHROMIUM AND COMPOUNDS  
CAS #: Not reported  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A038  
Substance: NICKEL AND COMPOUNDS  
CAS #: Not reported  
Pathway: NO PATHWAY INDICATED  
Scoring: 1

NPL Status: Currently on the Final NPL  
Substance ID: A046  
Substance: POLYCHLORINATED BIPHENYLS  
CAS #: 1336-36-3  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: A048  
Substance: SELENIUM AND COMPOUNDS  
CAS #: Not reported  
Pathway: NO PATHWAY INDICATED  
Scoring: 1

NPL Status: Currently on the Final NPL  
Substance ID: A049  
Substance: SILVER AND COMPOUNDS  
CAS #: Not reported  
Pathway: SURFACE WATER PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: C178  
Substance: COPPER AND COMPOUNDS  
CAS #: Not reported  
Pathway: SURFACE WATER PATHWAY  
Scoring: 2

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

NPL Status: Currently on the Final NPL  
Substance ID: C247  
Substance: ZINC AND COMPOUNDS  
CAS #: Not reported  
Pathway: SURFACE WATER PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: C460  
Substance: MERCURY  
CAS #: 7439-97-6  
Pathway: SURFACE WATER PATHWAY  
Scoring: 2

NPL Status: Currently on the Final NPL  
Substance ID: D006  
Substance: CADMIUM (CD)  
CAS #: 7440-43-9  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

NPL Status: Currently on the Final NPL  
Substance ID: D008  
Substance: LEAD (PB)  
CAS #: 7439-92-1  
Pathway: SURFACE WATER PATHWAY  
Scoring: 4

Summary Details:

Conditions at Proposal March 1998): The Washington Navy Yard (WNY) is the oldest continuously operated Navy facility in the United States. It currently occupies 71.5 acres in the District of Columbia. The facility was opened officially on October 2, 1799. By 1812, it was well equipped for the purpose of shipbuilding and repair. During the 1800s, ordnance production, research, and other industrial activities were prevalent at the yard. In 1886, the WNY was redesignated as the Naval GunFactory. During the next 20 years considerable expansion of the WNY occurred. Production of ordnance remained the primary operational activity at the facility during this time. To accommodate the WNY, significant areas of adjacent marshlands were filled in. In the 1940s, the primary role of the WNY shifted from production of ordnance to administrative activities. Although administrative activities became a large function of the WNY, all ordnance production still was monitored or tested at the facility. To accommodate the expanded activity, new administrative and research facilities were constructed on the eastern portion of the facility. In 1961, the WNY officially became an administrative facility. Activities currently conducted at the WNY include administration, supply and storage, and training. An historic center that is open to the public is also currently located at the WNY. Records documenting the wastes generated during ordnance production or the various other industrial processes that occurred at the WNY have not been located. However, based on the descriptions of the documented operations at the WNY the typical wastes generated can be reasonably determined. These wastes would include metals used in ordnance production and paint-spraying; solvents used in cleaning; cyanide and phenols used in cooling processes; creosote used in wood treatment; petroleum products and wastes; and PCB-containing oils in storage tanks and electrical equipment. Contamination also likely occurred during storage and handling of raw materials. The storm water system draining the facility

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

is contaminated with metals and PCBs, which can be attributed to the industrial processes and ordnance production that historically occurred at the facility. The storm water system leads to nine outfalls into the Anacostia River. Sediment sampling of the Anacostia River in the area of the WNY shows metals and PCB contamination. In addition, volatile and semi-volatile contaminants have been found in soils throughout the facility, although sufficient documentation does not exist to fully evaluate this contamination at this time. Status July 1998): Remedial activities currently in progress involve the investigation and removal of contaminated sediments from the stormwater system. The description of the site release) is based on information available at the time the site was scored. The description may change as additional information is gathered on the sources and extent of contamination. See 56 FR 5600, February 11, 1991, of subsequent FR notices.

Site Status Details:

NPL Status: Final  
Proposed Date: 03/06/1998  
Final Date: 07/28/1998  
Deleted Date: Not reported

Narratives Details:

NPL Name: WASHINGTON NAVY YARD  
City: WASHINGTON  
State: DC

CERCLIS:

Site ID: 0300031  
EPA ID: DC9170024310  
Facility County: DISTRICT OF COLUMBIA  
Short Name: WASHINGTON NAVY YARD  
Congressional District: 01  
IFMS ID: 03SA  
SMSA Number: Not reported  
USGC Hydro Unit: 02070010  
Federal Facility: Federal Facility  
DMNSN Number: 63.30000  
Site Orphan Flag: N  
RCRA ID: Not reported  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported  
Parent ID: Not reported  
RST Code: Not reported  
EPA Region: 03  
Classification: Not reported  
Site Settings Code: CL  
NPL Status: Currently on the Final NPL  
DMNSN Unit Code: ACRE  
RBRAC Code: Not reported  
RResp Fed Agency Code: USNV  
Non NPL Status: Not reported  
Non NPL Status Date: / /  
Site Fips Code: 11001  
CC Concurrence Date: / /  
CC Concurrence FY: Not reported  
Alias EPA ID: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Site FUDS Flag: N

CERCLIS Site Contact Name(s):

Contact ID: 3270057.00000  
Contact Name: DAVID POLISH  
Contact Tel: (215) 814-3327  
Contact Title: Community Involvement Coordinator  
Contact Email: Not reported

Contact ID: 3000181.00000  
Contact Name: ROBERT W. STROUD  
Contact Tel: (215) 814-3366  
Contact Title: Remedial Project Manager (RPM)  
Contact Email: Not reported

Contact ID: 13003535.00000  
Contact Name: Joseph Vitello  
Contact Tel: (215) 814-3354  
Contact Title: Site Assessment Manager (SAM)  
Contact Email: Not reported

CERCLIS Site Alias Name(s):

Alias ID: 101  
Alias Name: USN WASHINGTON NAVAL DIST BLDG 170  
Alias Address: Not reported  
WASHINGTON, DC

Alias ID: 103  
Alias Name: WASHINGTON NAVY YARD  
Alias Address: 901 M STREET, SE  
WASHINGTON, DC 20003

Alias ID: 3270050  
Alias Name: WASHINGTON NAVY YARD  
Alias Address: 1014 N STREET SE SUITE 3207  
WASHINGTON, DC 23185

Alias Comments: Not reported

Site Description: The Washington Navy Yard (WNY) covers 63.3 acres and borders the Anacostia River in southeastern Washington, D.C. Commercial and vacant commercial properties along M Street border the facility on the north, commercial properties and a former industrial area along 11th Street on the east, the Southeast Federal Center (SEFC) on the west, and the Anacostia River on the south. The WNY consists primarily of buildings and other impervious surfaces with little vegetated area. The WNY's role throughout its two centuries of operation has been primarily ordnance production and research, but it also has included shipbuilding and repair, industrial development, and heavy equipment manufacturing. After World War II, the WNY's role shifted from manufacturing to administration. Currently, the WNY includes administrative, supply, and storage buildings; residences; training facilities; and museums. Buildings and other impervious surfaces cover approximately 95 percent of the area surfaces at the WNY. Eleven operable units for the WNY are identified on the EPA website. Site 4 is listed as Operable Unit 04. Site 4 includes Buildings 44, 46, 67, and 108 located in the central area of the WNY. Building 44 has been used for administrative offices and is now also used for the Navy Library. Building 46 is located on Harwood Street and was formerly a cartridge-case and metal-pressing shop but now contains the Navy Exhibit Center, a shop, and a warehouse. A sub-basement of Building 46 was reportedly used as a jail during the 19th century. The present-day Building 67 had formerly been designated as

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

two buildings-Building 66 at the southern end and Building 67 at the northern end. Building 67 was used as a cartridge case, metal-pressing shop, primer shop, and furnace room, and it is now an art gallery. Building 108, currently used for administrative purposes, had been used as an anchor shop, a cartridge-case shop, and the Naval Gun Factory Laboratory. The Naval Gun Factory Laboratory consisted of a Metals Engineering Branch, Chemistry Branch, Metallurgy Branch, and a Welding Engineering Branch. The primary mission of the laboratory was to support the Naval Gun Factory and Bureau of Ordnance. Because the laboratory was used to support ordnance manufacture-related issues, and not industrial processes, the amount of chemicals used is believed to have been insignificant. On July 16, 1997, the EPA and the Navy entered into a Consent Order to perform a RCRA Facility Investigation (RFI) at the WNY, to determine the nature and extent of potential releases of hazardous wastes, solid wastes, and/or hazardous constituents at or from the WNY. On March 6, 1998, the EPA proposed the WNY for listing on the Federal Facilities section of the National Priorities List (NPL). The WNY was added to the NPL through a final rule in the Federal Register on July 28, 1998. An Interagency agreement (Federal Facilities Agreement [FFA]) between EPA Region III, the District of Columbia, and the Navy was signed on June 30, 1999. With the final FFA in place, the Navy functions as the lead agency for the management and cleanup of the WNY IR sites. Effective on September 27, 1999, the FFA superseded the Resource Conservation and Recovery Act (RCRA) Final Administrative Order of Consent signed on July 16, 1997. Site 4 was identified in the FFA as Buildings 44, 46, 108 and 67 (Cartridge Case Shop). The current use for each Site 4 building is presented below: Building 44 - Administrative offices and Navy library Building 46 - Navy Exhibit Center, a shop, and a warehouse Building 67 - Art gallery Building 108 - Administrative offices Since Site 4 consists of buildings, pavement, or similar impervious surfaces, there is no current exposure to the soil at Site 4. The Naval Station Washington Master Plan indicates that the buildings will continue to be used at the WNY with proposed future uses for administrative offices and museum space consistent with current building uses. Therefore, it is unlikely that there will be exposure to soil at Site 4 in the future. A No Action Record of Decision (ROD) addressing Operable Unit 04 was completed in September 2004. Operable Unit 10: Site 10 consists of four discontinuous areas. The largest area is located in the north-central portion of the WNY, and is commonly called Admiral's Row. The site consists of 17 buildings, structures, and areas associated with Flag (admiral and captain) Housing and ceremonial uses. The buildings are currently used for residential purposes, except Building 1, which is used as administrative offices. The topography at Site 10 gradually slopes to the south toward the Anacostia River. The soil underlying the Site 10 area consists of non-native and man-made fill and naturally-deposited soil material. Approximately 35 percent of the ground surface is covered with pavement and buildings with most of the uncovered, grassy area focused in Leutze Park located west of Quarters B. Site 10 includes Quarters A through H, K through P, R through W, and Y; Building 1; Admiral Leutze Park; and the Latrobe Gate. Only four of the buildings (Quarters N, O, and U and Building 1) have been used for functions other than housing: -Quarters N and O were built in 1866 originally as Paint Shop #1 and remodeled into living quarters around 1900. - Quarters U (Building 195) was constructed in 1937 as a training building, and shortly before World War II it was used as an experimental-ammunition building by the Naval Research Laboratory. From about 1946 to 1950, the building was used by the WNY transportation department and then converted into the WNY Naval Reserve Center. In 1965, the building was converted into officer quarters and redesignated "Quarters U". - Building 1 (also referred to as "Quarters J") was constructed about 1840 to serve as the Commandant's Office and was used as administrative offices (intelligence

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

office, post office, communications office, and credit union office) until about 1948, when it was remodeled into multiple living quarters and called Quarters J. In the early 2000's, it again underwent extensive remodeling and now serves as administrative offices. Investigations at the WNY have found some areas of lead-contaminated soil at Site 10. Past maintenance of these buildings with exterior lead-based paints and lead roofing materials is believed to be the source of lead contamination in soil. Before health hazards associated with lead were understood, lead was used in paint and many other products. Although the federal government banned lead-based paint from housing in 1978, many older homes still contain lead-based paint. In 1993, the Navy prepared a Preliminary Assessment (PA) report for the WNY. The 1993 PA used historical documents, personnel interviews, and consultation with the District and federal agencies to identify 16 areas of concern at the WNY requiring further study. Site 10 was one of the areas identified. In 1995, the Navy presented the results of the investigation of 13 sites and 2 areas of concern at WNY in the Site Investigation report for the WNY. This report included results for the Site 10 area. The field investigation related to Site 10 included the collection of groundwater, surface soil, and subsurface soil. The results of the investigation revealed that the primary ways people could be exposed to contaminants at Site 10 were by ingesting (accidentally swallowing) surface soil or subsurface soil. In 1998, soil sampling was conducted at Quarters A (Tingey House) to assess the presence of lead in surface soil. This sampling was performed as a precaution given the findings of lead in soil at other residential locations on the WNY (Site 10). Based on the results, Quarters A was added to Site 10. As part of the 1999 Facility-Wide Remedial Investigation (RI), a Facility-Wide Hydrogeologic Investigation was performed for 9 sites, including Site 10. The purpose of the investigation at Site 10 was to evaluate the presence of lead in groundwater as a result of previous soil sampling performed at Site 10 that indicated the elevated presence of lead in soil. This investigation included soil and groundwater sampling. The results of the investigation did not indicate unacceptable levels of lead in the groundwater, but recommended additional groundwater sampling for various constituents detected in soil (benzo (a) pyrene, copper and manganese). In 2002, a Phase II Investigation was conducted at Site 10 that involved subsurface soil sampling to delineate the vertical extent of the lead concentrations in soil. The investigation characterized the vertical extent of lead in soil to a depth of 4 feet below ground surface. Several samples were also analyzed for other metals and pesticides in order to provide data to complete the human health risk assessment. The data collected in this investigation was compiled and reported in the 2004 Focused RI for Site 10. In 2004, a Focused RI report for Site 10 was completed. This report compiled all data collected to date at Site 10 and provided a full characterization of the nature and extent of soil contamination. The data compiled included analytical results from groundwater samples and from more than 550 soil samples collected between 1995 and 2004. These data were used to assess potential risk to people and the environment and to establish whether or not the site is a source of lead contamination to groundwater. A Feasibility Study (FS) was recommended based on the potential hazards associated with people and plants being exposed to lead in soil at the site. In lieu of conducting a FS, and as a conservative and protective measure, a series of non time- critical removal actions were recommended for all areas within Site 10 with surface soil concentrations of lead greater than 400 parts per million (ppm). This is the conservative screening value established by EPA to be protective of children in a residential setting. Following the 2004 Focused RI, institutional controls (ICs) were put in place at Site 10 to reduce the chance people would be exposed to contaminants. These controls included restrictions on gardening by residents and training the WNY's professional

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

gardener how to safely handle dirt, grass clippings and other plant materials that could contain lead. These restrictions were communicated to the residents and workers who lived or worked at these quarters in 2004 through a fact sheet and an information session. Subsequent residents and workers were notified as they moved in or were hired. Between late 2003 and early 2008, a series of removal actions were completed at Site 10. The removal actions consisted of excavating soil to depths of between 1 and 4 feet where surface soil is exposed and lead levels exceeded 400 ppm, and replacing it with clean backfill. The history and background of the buildings at Site 10 indicate that the soils beneath patios, walkways, pavements or buildings would not have been impacted by lead-based paint maintenance activities. Therefore, soils beneath these areas were not disturbed. As the excavations progressed, sampling was used to verify that soil concentrations exceeding 400 ppm had been successfully removed or to recommend additional excavation. Approximately 2,175 cubic yards of soil were removed and disposed of at a landfill at a cost of approximately \$5 million. As each quarters, or group of quarters, were successfully remediated, ICs were removed. After completion of the non-time-critical soil removal actions at Site 10, no unacceptable human health or ecological risks were identified that require future action. The Site 10 Removal Action Master Report incorporates the results of the removal actions and the 313 confirmatory soil samples for Site 10. The results of these confirmatory soil-sampling activities indicated the soil throughout Site 10 was successfully remediated to concentrations less than 400 ppm. On July 16, 1997, the EPA and the Navy entered into a Consent Order to perform a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the WNY to determine the nature and extent of potential releases of hazardous wastes, solid wastes, and/or hazardous constituents at or from the WNY. The EPA's jurisdiction to issue the Consent Order derived from authority vested in EPA by Section 7003 of RCRA, as amended by the Hazardous and Solid Waste Amendments of 1984. Pursuant to CERCLA authority, on March 6, 1998, the EPA proposed the WNY for listing on the Federal Facilities section of the National Priorities List (NPL) by publishing a proposed rule in the Federal Register. The Federal Register notice announced EPA's public comment period for the proposed listing of the WNY (and several other sites) from March 6, 1998, through May 5, 1998. The WNY was added to the NPL through a final rule in the Federal Register on July 28, 1998. An Interagency Agreement (Federal Facilities Agreement [FFA]) between EPA Region III, the District of Columbia, and the Navy was signed on June 30, 1999. In accordance with Executive Order 12580 and the National Contingency Plan, the Navy functions as the lead agency for the management and cleanup of the WNY Installation Restoration Program sites under CERCLA. EPA, the Navy, and the DDOE work together as part of the WNY cleanup team. Effective September 27, 1999, the FFA superseded the July 16, 1997 RCRA Order. Currently, WNY includes administrative, supply, and storage buildings; residences; training facilities; and museums. Buildings and other impervious surfaces cover approximately 95 percent of the area surfaces. Leutze Park, in the facility's north-central portion, is the only substantial vegetated area in this largely urban setting. Approximately 35 percent of the ground surface at Site 10 is covered with pavement and buildings with most of the uncovered, grassy area focused in Leutze Park. The buildings and grounds that make up Site 10 are currently used for residences (quarters) for Navy officers and their families, except Building 1 (administrative offices) and Leutze Park, which is a manicured grass park used for ceremonies. The potential future exposure scenarios evaluated in the Human Health Risk Assessment and Environmental Risk Assessment for Site 10 addressed by this ROD conservatively assume that the sites will continue to be used for residential purposes, and that the subsurface soil may be excavated at some point in time and become surface soil so that there is a complete exposure pathway with future residents. A ROD

MAP FINDINGS

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

addressing Operable Unit 10 was completed in September 2009. OU 13: Operable Unit (OU) 13 is comprised of contaminated soils at Sites 1, 2, 3, 7, 9, 11, and 13. Each site is described below. Site 1: Site 1 is located near the center of the WNY, and consists of the soil beneath Building 22 plus approximately 40 feet of the immediately surrounding area to the west, north, and east; and is bounded to the south by Site 2. Site 1 is covered by buildings, pavement, and other impervious surfaces, and is currently used as office space, a fitness center, restaurants, and shops. Building 22 was a foundry used for melting and casting from 1858 through 1915, then for metal machining and assembly operations of various guns until the 1960s, when it became the Naval Station Laundry. By 1975, Building 22 had become the Radiation Effects Facility (RADEF) Instrumentation Test Facility. In 1990, it became the Naval Investigative Service (NIS) forensic lab, in which light machining, darkroom photo processing, and electronics work were performed. An underground storage tank (UST) identified as an emergency generator (oil)/dry cleaning products tank was also located north of Building 22. Two other USTs were located in an area that is the southwest corner of the current Building 22.

Site 2: Site 2 is located near the center of the WNY, south of Site 1, and consists of the soil beneath Buildings 33, 37, 39, 109, and 36; which are multistoried brick structures known as the Quadrangle Complex. The site also includes approximately 40 ft of the immediately surrounding area to the west, south, and east, and is adjoined by Site 1 on the north. Site 2 is covered by buildings, pavements, and other impervious surfaces, and is currently used as office space. Site 2, the Quadrangle Complex, is believed to be the site of the original WNY machine shop, and was constructed in phases between 1854 and 1860 (with the exception of Building 37). Building 37 was constructed as a toilet (bathroom) in 1899. Industrial operations in the Quadrangle Complex buildings ceased in the early 1960s, when the WNY Naval Gun Factory was closed. In the years after the factory's closure, the Quadrangle Complex buildings served primarily as storage facilities for the Navy Exchange System and the WNY Supply Department. A battery shop, containing automotive-type batteries, was believed to have been located in former Building 33A, a small cinderblock addition to Building 33. In the late 1990s, all of the Quadrangle Complex buildings were fully gutted and renovated within the original building footprints. The original floor slabs were removed, and soil was excavated within each of the buildings to at least 3 ft below grade. Abandoned utilities were removed, and new utilities were installed under a new reinforced concrete floor. During the excavation activities, a 1,000-gallon UST was discovered under Building 109. It was believed that the UST was used to store heating oil for the building. The UST was removed in 1996. Because there was some evidence of a release related to this tank, a site characterization investigation was conducted in accordance with the District of Columbia Department of Health (DCDOH) UST Division procedures and, after several rounds of groundwater monitoring, the case was closed out in 1998. The renovated buildings were installed with an under-slab ventilation system. Although a specific explanation as to the purpose of this system has not been found, one likely explanation is that it was installed as a protective measure for residual petroleum found in the soil during the UST site characterization. Site

Site 3: Site 3 is also located near the center of the WNY, immediately east of Site 1. It consists of the area formerly occupied by Buildings 40 and 41. Buildings 40 and 41 were demolished in 1977; no buildings are currently located on the site, which is now a park. Buildings 40 and 41 were constructed in 1892 and 1859, respectively, and were previously connected to still-existing Building 76, which is located south of Site 3. In the 1950s, electroplating in Building 41 was performed on gun parts, using a number of plating solutions containing chrome, zinc, nickel, copper, brass, gold, silver, and rhodium. Electroplating operations in Building 41 consisted of three deep plating pits (one 75 ft deep

MAP FINDINGS

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

and two 60 ft deep) and a number of other plating and storage tanks. The deep pits were located approximately 60 feet north of Building 76. Buildings 40 and 41 were demolished owing to their contamination with acid fumes from the electroplating process. Much of the buildings' foundations, including the former electroplating pits, were left in place. The presence of remnant building foundations has been confirmed during the Phase II Remedial Investigation (RI), when large concrete and brick blocks were encountered in the Site 3 area during drilling activities. Some underground rooms reportedly are still intact under Dahlgren Avenue west of the area formerly occupied by the buildings. These underground rooms remain as underground void spaces; they are not used for any purpose and are not accessible for occupancy. Based on the historical review of Buildings 40 and 41, no spills or releases to the soil or groundwater have been documented at Site 3; however, the possibility exists that undocumented spills or releases may have occurred. Site 7: Site 7, located near the eastern boundary of WNY, consists of Building 126 and approximately 10 ft of the immediately surrounding area to the west, north, and east. Site 7 is covered by buildings, pavement, and other impervious surfaces, and is currently used as office space. Building 126 is approximately 65 years old and currently houses the Naval District Washington Security Division. From 1938 to 1950, Building 126 was the receiving station laundry, in which clothes were washed, starched, and pressed. According to the historical review, no dry-cleaning activities were performed in Building 126. Based on the historical review, no documented spills or releases to the soil or groundwater at Site 7 have been documented; however, the possibility exists that undocumented spills or releases may have occurred. Site 9, located in the northeastern corner of the WNY, consists of soil beneath Buildings 219 and 220 and approximately 10 to 50 ft of the immediately surrounding area. It is covered by buildings, pavement, and other impervious surfaces. Buildings 219 and 220 are four-story brick-and-concrete buildings that were constructed in 1944 and are currently used for office space. From 1944 through 1962, Building 219 was used as a gauge laboratory and machine shop for manufacturing precision instruments; for a period of time it was used as a U.S. Geological Survey (USGS) laboratory for the study of uranium and other radioactive raw materials on behalf of the Atomic Energy Commission. The floors of Building 219 were concrete and covered with creosoted wood blocks in the shop areas and asphalt tile in the administrative areas. Building 220 was used as an aviation ordnance shop to manufacture and test prototype aviation equipment such as bomb racks and rocket launchers. The shop comprised the following sections: woodworking, sheet metal fabricating and welding, heat treating (using a small on-floor grade cyanide heat-treating bath), instrument making (all types of precision instruments including bombsights and intervelometers), and general machining. Based on the historical review of activities at Buildings 219 and 220, no spills or releases to the soil or groundwater at Site 9 have been documented; however, the possibility exists that undocumented spills or releases may have occurred. Site 11: Site 11, located in the southeast corner of the WNY at the eastern extent of the Building 166 parking lot, consists of two former incinerators. Site 11 is entirely paved with asphalt and is not currently used. The incinerators were installed in 1967 and 1971 to burn classified materials from numerous government agencies in the Washington, D.C., area. Based on the fairly recent use of the incinerators on WNY (last 35 years) and the amount of covered area (from pavement, concrete, buildings, etc.) at WNY during that time, it is likely that any ash waste material from the incinerators was transported off-facility for disposal and not disposed of at WNY. Therefore, the potential release of contaminants associated with the incinerator is believed to be associated with the air emissions rather than soil and groundwater contamination from contacting buried ash material. Site 13: Site 13, located in north central section of the WNY, consists of the area

MAP FINDINGS

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

around Building 290. The site is covered by a building with an unpaved (mulched), perimeter, and currently houses electrical equipment. Building 290 is suspected to have housed polychlorinated biphenyl (PCB)-containing equipment. Currently, WNY includes administrative, supply, and storage buildings; residences; training facilities; and museums. Buildings and other impervious surfaces cover approximately 95 percent of the area surfaces. Leutze Park, in the facility's north-central portion, is the only substantial vegetated area in this largely urban setting. Sites 1, 2, 7, and 9 currently have buildings on-site that are used as office space. Site 1 buildings are also used as a fitness center, restaurants, and shops. Site 3 is currently a park. Site 11 is not currently used, and is entirely paved with asphalt. Site 13 currently houses electrical equipment. The Naval Station Washington Master Plan details development and land use plans for the WNY. According to the Master Plan the future use of Sites 1, 2, 7, and 9 will remain consistent with current use and Sites 3 and 11 may be developed for office use in the future. The potential future exposure scenarios evaluated in the Human Health Risk Assessment for all seven sites addressed by this Record of Decision (ROD) conservatively assume that the subsurface soil will be excavated to a depth of 4 feet below ground surface and become surface soil, and that the sites will be redeveloped at some point for residential use. A ROD addressing OU13 was completed in December 2007. OU 14: Site 14 (Operating Unit 14) includes a single-story building (Building 292) on the WNY, located east of Willard Park. Building 292, currently used for storage, was formerly designated Electrical Substation "C" for the WNY. This site formerly included a transformer (on the west side of the building), and other electrical equipment that contained polychlorinated biphenyls (PCBs). Because the site is located near a storm sewer leading to Outfall 6, which discharges to the Anacostia River, the site may have contributed to historical sediment contamination in the sewer. Building 292 was also used to store unspecified maintenance materials for the bleacher seats formerly located west of Building 292. On July 16, 1997, the EPA and the Navy entered into a Consent Order to perform a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) at the WNY to determine the nature and extent of potential releases of hazardous wastes, solid wastes, and/or hazardous constituents at or from the WNY. The EPA's jurisdiction to issue the Consent Order derived from authority vested in EPA by Section 7003 of the RCRA, as amended by the Hazardous and Solid Waste Amendments of 1984. Pursuant to CERCLA authorities, on March 6, 1998, the EPA proposed the WNY for listing on the Federal Facilities section of the National Priorities List (NPL) by publishing a proposed rule in the Federal Register (volume 63, number 44, pages 11,340-11,345). The Federal Register notice announced EPA's public comment period for the proposed listing of the WNY (and several other sites) from March 6, 1998, through May 5, 1998. The WNY was added to the NPL through a final rule in the Federal Register on July 28, 1998 (volume 63, number 144, pages 40,182-40,188). An Interagency agreement (Federal Facilities Agreement [FFA]) between EPA Region III, the District of Columbia, and the Navy was signed on June 30, 1999. In accord with Executive Order 12580 and the National Oil and Hazardous Substances Pollution Contingency Plan (National Contingency Plan or NCP), the Navy functions as the lead agency for the management and cleanup of the WNY IR sites under CERCLA. Effective September 27, 1999, the FFA superseded the July 16, 1997 RCRA Order. Site 14 was identified in the FFA as Building 292. In 1995, Baker Environmental, Inc. (Baker) conducted a Site Investigation (SI) study on 13 sites and 2 Areas of Concern (AOCs), including Site 14. Surface soil samples and sub-basement surface water samples were collected during the investigation at Site 14 to assess the potential presence of PCBs originating from the electrical equipment previously located at Building 292. Surface soil samples at locations north, west, and south of Building 292 were field screened for PCBs during the SI.

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Based on elevated PCB field screening results, four of these samples, collected from locations south of Building 292, were sent to a laboratory for PCB analysis, which indicated that PCBs were present in the surface soil. Based on the SI results, the Navy conducted a removal action in November 1997 to remove PCB-contaminated soil from a 28-by-22-foot area adjacent to, and south of, Building 292. Two separate excavation activities were performed, within the same excavation area, to fully remove PCB-contaminated soil. During these excavation activities, a display cannon on a 7-by-5-foot concrete pad was not moved; therefore, soil beneath the cannon was not evaluated for PCBs. Site 14 includes Building 292 and other asphalt and concrete-covered surfaces (e.g., pavement and sidewalks). The current use for the Site 14 building is storage. Since Site 14 consists of buildings, pavement, or similar impervious surfaces, there is no current exposure to the soil at Site 14. The Naval Station Washington Master Plan indicates that the future use of Site 14 will be as a concession stand with outdoor tables. The potential future exposure scenarios evaluated at Site 14 conservatively assumed that the subsurface soil will be excavated to a depth of 4 feet below ground surface and become surface soil. A Record of Decision (ROD) addressing Site 14 (OU14) was completed in October of 2005. Operable Unit (OU) 5: Site 5 (OU 05) is located in the northwestern portion of the WNY, encompassing the soil around Building 73.

Site 5 primarily encompasses the soil around Building 73. Building 73 was constructed between 1898 and 1901 on the former site of Jeffers Square and Building 26. Building 73 originally served as the Secondary Mount Shop and contained machinery for assembling gun mounts and other miscellaneous activities. Starting in 1915, a portion of Building 73 was used to manufacture tubes that were used to launch torpedoes. Torpedoes themselves were not manufactured at this building. These manufacturing activities continued until the building was converted into the Boilermakers Shop Annex in 1949. The Boilermakers Shop Annex fabricated metal items such as girders, shields, and magazine guide tubes for rocket launchers. In 1952, a Welding Shop was added to the operations in Building 73. The Welding Shop in Building 73 housed transformers, generators, and an electric furnace. An aluminum shed was added to the building in 1955 to store oxygen and acetylene tanks. In the late 1950s, Building 73 was used as an aluminum cleaning facility. Ten tanks, approximately 6 feet wide, were located on the first floor of the building along the southern wall of the building. The degreaser tank, used as the first step of the aluminum cleaning process, was mounted in a pit approximately 4 feet below the concrete floor near the southwest corner of Building 73. Building 73 was converted to Administrative Offices in 1961. In 1965, the building was converted into storage space. After 1965, a classified disintegrator was installed in Building 73 to shred paper. During the 1970s or 1980s, the building served as a recreational facility and housed indoor tennis courts. In 1998 renovations began as a part of the Base Realignment and Closure (BRAC) - Naval Sea Command project, which involved converting Building 73 back to office space. It is anticipated that future use of Building 73 will remain as office space. The 1998 BRAC renovations included constructing the parking garage (Building 28) that is presently south of Building 73. The parking garage construction involved the demolition of two buildings (former Buildings 26 and 143). The entire area, including part of what is now Site 5, was excavated to varying depths, the soil was replaced with clean fill, and the surface was landscaped with mulch and shrubbery. Building 73 at Site 5 is currently used as office space. Building 28, which borders Site 5 to the south, is a parking garage. The area between the two buildings measures approximately 25 feet by 300 feet and consists of a concrete pedestrian walkway and landscaped planting areas with several benches. Future use of this area is expected to remain the same or similar (i.e., office, recreational, or industrial). Future use for residential purposes is possible, but is considered to be



MAP FINDINGS

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

unlikely. A Record of Decision addressing OU 05 (Site 5) was completed in September of 2006. OU 16: Site 16 (Operable Unit 06) is located in the south-central portion of the WNY, adjacent to the Anacostia River. Site 16 is a high-traffic area that is predominantly covered with asphalt, concrete, and buildings. Building 71 and the surrounding paved areas serve as restrooms and parking for visitors to the Navy Museum. The site also provides access to the adjacent Pier No. 2, where the display ship U.S.S. Barry is docked. Site 16 encompasses Building 71 and its former petroleum underground storage tanks (USTs), stormwater lines traversing the site, and an area where free-phase mercury was discovered in the subsurface soil. At one time, 13 petroleum USTs existed at Site 16, within and surrounding Building 71. Between November 1993 and March 1994, these USTs were either removed or abandoned in place. The USTs ranged in size from 550 to 10,000 gallons and contained waste oil, gasoline and diesel fuel. Currently, a corrective action plan (CAP) is being implemented at the Building 71 site under the Naval District Washington (NDW) UST Program through coordination with District of Columbia Department of the Environment (DDOE) UST Division. The CAP involves free-product removal and longterm groundwater monitoring. The stormwater lines that run through the site terminate at Outfalls 5 and 6. The main area of interest within Site 16 is a 12- x 12-foot (ft) area where free-phase mercury was discovered in 1996 in the subsurface soil and removed pursuant to the time-critical removal action performed in June 1999. The area where free-phase mercury was discovered in the subsurface is in the area of the former Building 146, which was built in 1916 and demolished in 1983. At various times throughout its existence, Building 146 housed an Airplane Motor Testing Shop, was used as a shipwright's shop, a diving school, and a public garage, and housed Navy administrative offices. The specific source of mercury release is unknown; however, gauges associated with diving apparatus may have contained mercury. Site 16 is predominantly covered with asphalt, concrete, and buildings, and is a high-traffic area for workers and visitors at the WNY. Building 71 and the surrounding paved areas serve as restrooms and parking for visitors to the Navy Museum. The site also provides access to the adjacent Pier No. 2, where the display ship U.S.S. Barry is docked. The Barry is also a destination for visitors to the WNY. Future use of this area is expected to be the same or similar (i.e., office, recreational, or industrial). Future use for residential purposes is possible, but is considered to be unlikely. A Record of Decision addressing OU 06 (Site 16) was completed in September of 2006.

CERCLIS Assessment History:

Action Code:	001
Action:	DISCOVERY
Date Started:	/ /
Date Completed:	05/01/81
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	EPA Fund-Financed
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code:	001
Action:	PRELIMINARY ASSESSMENT
Date Started:	05/16/91
Date Completed:	05/16/91

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Priority Level: Deferred to RCRA (Subtitle C)  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: PRELIMINARY ASSESSMENT  
Date Started: 01/31/94  
Date Completed: 09/14/94  
Priority Level: Higher priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: HAZARD RANKING SYSTEM PACKAGE  
Date Started: 09/01/95  
Date Completed: 02/26/98  
Priority Level: Being considered for proposal to the NPL  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: PROPOSAL TO NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 03/06/98  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FINAL LISTING ON NATIONAL PRIORITIES LIST  
Date Started: / /  
Date Completed: 07/28/98  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 06/02/99  
Date Completed: 06/16/99  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL INTERAGENCY AGREEMENT  
Date Started: 10/01/98  
Date Completed: 06/30/99  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: INTERAGENCY AGREEMENT NEGOTIATIONS  
Date Started: 10/14/98  
Date Completed: 06/30/99  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: ALTERNATIVE DISPUTE RESOLUTION  
Date Started: 06/01/00  
Date Completed: 12/30/00  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Enforcement  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Action Code: 008  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 05/27/99  
Date Completed: 09/28/04  
Priority Level: Not reported  
Operable Unit: SITE 4  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 013  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/28/04  
Priority Level: Not reported  
Operable Unit: SITE 4  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 017  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 05/27/99  
Date Completed: 10/14/05  
Priority Level: Not reported  
Operable Unit: SITE 14  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 014  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 10/14/05  
Priority Level: Not reported  
Operable Unit: SITE 14  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 11/01/05

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Date Completed: 12/23/05  
Priority Level: Not reported  
Operable Unit: NFA PHASE II SITES  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 010  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 05/27/99  
Date Completed: 09/29/06  
Priority Level: Not reported  
Operable Unit: BLDG 73  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 009  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 05/26/00  
Date Completed: 09/29/06  
Priority Level: Not reported  
Operable Unit: BLDG 71-SITE 5  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/29/06  
Priority Level: Not reported  
Operable Unit: BLDG 71-SITE 5  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 007  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/29/06  
Priority Level: Not reported  
Operable Unit: BLDG 73

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 12/05/06  
Date Completed: 08/20/07  
Priority Level: Not reported  
Operable Unit: SITE 6  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: ENGINEERING EVALUATION/COST ANALYSIS  
Date Started: 12/05/06  
Date Completed: 08/20/07  
Priority Level: Not reported  
Operable Unit: SITE 6  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 021  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 12/20/07  
Priority Level: Not reported  
Operable Unit: NFA PHASE II SITES  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY REMOVAL  
Date Started: 06/01/04  
Date Completed: 05/15/08  
Priority Level: Not reported  
Operable Unit: ADMIRALS QUARTERS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 014  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 10/12/01  
Date Completed: 09/18/09  
Priority Level: Not reported  
Operable Unit: ADMIRALS QUARTERS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 020  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/18/09  
Priority Level: Not reported  
Operable Unit: ADMIRALS QUARTERS  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 019  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 03/31/06  
Date Completed: 09/29/11  
Priority Level: Not reported  
Operable Unit: SITE 17  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 025  
Action: RECORD OF DECISION  
Date Started: / /  
Date Completed: 09/29/11  
Priority Level: Not reported  
Operable Unit: SITE 17  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Action Code: 001  
Action: Restoration Advisory Board  
Date Started: 10/15/97  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 03/25/99  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: ANACOSTIA RIVER SEDIMENT  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 002  
Action: FEDERAL FACILITY REMEDIAL DESIGN  
Date Started: 10/01/01  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: ANACOSTIA RIVER SEDIMENT  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 005  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 07/30/04  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: GROUNDWATER  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 001  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION  
Date Started: 03/29/06  
Date Completed: / /  
Priority Level: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Operable Unit: SITE 6  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 018  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 05/15/06  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: SITE 8  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Action Code: 006  
Action: FEDERAL FACILITY REMEDIAL INVESTIGATION/FEASIBILITY STUDY  
Date Started: 07/01/06  
Date Completed: / /  
Priority Level: Not reported  
Operable Unit: ANACOSTIA RIVER SEDIMENT  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

For detailed financial records, contact EDR for a Site Report.:

Federal Register Details:

Fed Register Date: 07/28/98  
Fed Register Volume: 63  
Page Number: 40182

Fed Register Date: 03/06/98  
Fed Register Volume: 63  
Page Number: 11340

[Click this hyperlink](#) while viewing on your computer to access  
102 additional US CERCLIS Financial: record(s) in the EDR Site Report.

CORRACTS:

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 14  
Actual Date: 19980217  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is  
source removal and/or treatment

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 6  
Actual Date: 19980217  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 1  
Actual Date: 19980611  
Action: CA611  
NAICS Code(s): 92811  
National Security  
Original schedule date: 19971231  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 10  
Actual Date: 19980611  
Action: CA611  
NAICS Code(s): 92811  
National Security  
Original schedule date: 19971231  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: ENTIRE FACILITY  
Actual Date: 19980612  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: ENTIRE FACILITY  
Actual Date: 19970716  
Action: CA100 - RFI Imposition  
NAICS Code(s): 92811  
National Security  
Original schedule date: 19970306  
Schedule end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 16  
Actual Date: 19980814  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: ENTIRE FACILITY  
Actual Date: 19960829  
Action: CA070YE - RFA Determination Of Need For An RFI, RFI is Necessary  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: ENTIRE FACILITY  
Actual Date: 19980922  
Action: CA210SF - CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective Action at the facility or area referred to CERCLA  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 14  
Actual Date: 19970929  
Action: CA611  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 6  
Actual Date: 19970929  
Action: CA611  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: ENTIRE FACILITY  
Actual Date: 19960930  
Action: CA075HI - CA Prioritization, Facility or area was assigned a high corrective action priority

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 5  
Actual Date: 19961026  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 1  
Actual Date: 19961026  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 10  
Actual Date: 19961026  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment

NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 10  
Actual Date: 19961026  
Action: CA611  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 5  
Actual Date: 19961026  
Action: CA611  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 2  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 1  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 6  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 9  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 8  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Area Name: OUTFALL 3  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: OUTFALL 7  
Actual Date: 19981114  
Action: CA600SR - Stabilization Measures Implemented, Primary measure is source removal and/or treatment  
NAICS Code(s): 92811  
National Security  
Original schedule date: Not reported  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 13  
Actual Date: Not reported  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 92811  
National Security  
Original schedule date: 19981001  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 11  
Actual Date: Not reported  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 92811  
National Security  
Original schedule date: 19981001  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: SITE 7  
Actual Date: Not reported  
Action: CA110 - RFI Workplan Received  
NAICS Code(s): 92811  
National Security  
Original schedule date: 19981001  
Schedule end date: Not reported

EPA ID: DC9170024310  
EPA Region: 03  
Area Name: ENTIRE FACILITY  
Actual Date: Not reported  
Action: CA150 - RFI Workplan Approved  
NAICS Code(s): 92811  
National Security

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Original schedule date: 19971015  
Schedule end date: Not reported

**RCRA-LQG:**

Date form received by agency: 03/01/2012  
Facility name: WASHINGTON NAVY YARD  
Facility address: 1013 O STREET SE; SUITE 100N  
WASHINGTON NAVY YARD, DC 20374  
EPA ID: DC9170024310  
Mailing address: HARWOOD STREET SE  
WASHINGTON NAVY YARD, DC 20374  
Contact: STEVEN GODIO  
Contact address: HARWOOD STREET SE  
WASHINGTON NAVY YARD, DC 20374  
Contact country: Not reported  
Contact telephone: (202) 433-7182  
Telephone ext.: 7182  
Contact email: STEVEN.GODIO@NAVY.MIL  
EPA Region: 03  
Land type: Federal  
Classification: Large Quantity Generator  
Description: Handler: generates 1,000 kg or more of hazardous waste during any calendar month; or generates more than 1 kg of acutely hazardous waste during any calendar month; or generates more than 100 kg 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; or generates 1 kg or less of acutely hazardous waste during any calendar month, and accumulates more than 1 kg of acutely hazardous waste at any time; 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 more than 100 kg of that material at any time

**Owner/Operator Summary:**

Owner/operator name: NACFAC WASHINGTON  
Owner/operator address: O STREET SE; SUITE 100N  
WASHINGTON NAVY YARD, DC 20374  
Owner/operator country: US  
Owner/operator telephone: (202) 433-7182  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported  
  
Owner/operator name: COMMANDER, NSA WASHINGTON  
Owner/operator address: PARSONS AVENUE SE; SUITE 340  
WASHINGTON NAVY YARD, DC 20374  
Owner/operator country: US  
Owner/operator telephone: (202) 433-3495  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

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: 03/01/2010

Facility name: WASHINGTON NAVY YARD  
Classification: Large Quantity Generator

Date form received by agency: 03/03/2008

Facility name: WASHINGTON NAVY YARD  
Site name: NAVAL DISTRICT WASHINGTON  
Classification: Large Quantity Generator

Date form received by agency: 04/04/2006

Facility name: WASHINGTON NAVY YARD  
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004

Facility name: WASHINGTON NAVY YARD  
Site name: HQ NAVAL DISTRICT WASHINGTON  
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002

Facility name: WASHINGTON NAVY YARD  
Site name: HQ NAVAL DISTRICT WASHINGTON  
Classification: Large Quantity Generator

Date form received by agency: 02/25/2000

Facility name: WASHINGTON NAVY YARD  
Site name: HQ NAVAL DISTRICT WASHINGTON  
Classification: Large Quantity Generator

Date form received by agency: 03/01/1998

Facility name: WASHINGTON NAVY YARD  
Site name: HQ NAVAL DISTRICT WASHINGTON  
Classification: Large Quantity Generator

Date form received by agency: 06/28/1995

Facility name: WASHINGTON NAVY YARD  
Classification: Large Quantity Generator

Date form received by agency: 02/28/1994



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Facility name: WASHINGTON NAVY YARD  
Site name: NAVAL DISTRICT - WASHINGTON DC  
Classification: Large Quantity Generator

Date form received by agency: 04/01/1992  
Facility name: WASHINGTON NAVY YARD  
Site name: NAVAL DISTRICT - WASHINGTON DC  
Classification: Large Quantity Generator

Date form received by agency: 02/26/1985  
Facility name: WASHINGTON NAVY YARD  
Classification: Large Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D005  
Waste name: BARIUM

Waste code: D008  
Waste name: LEAD

Waste code: D009  
Waste name: MERCURY

Waste code: D011  
Waste name: SILVER

Waste code: D035  
Waste name: METHYL ETHYL KETONE

**Biennial Reports:**

Last Biennial Reporting Year: 2013

**Annual Waste Handled:**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Amount (Lbs): 183

Waste code: D005  
Waste name: BARIUM  
Amount (Lbs): 97

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Waste code: D008  
Waste name: LEAD  
Amount (Lbs): 6735

Waste code: D009  
Waste name: MERCURY  
Amount (Lbs): 83

Waste code: D011  
Waste name: SILVER  
Amount (Lbs): 83

Waste code: D035  
Waste name: METHYL ETHYL KETONE  
Amount (Lbs): 97

**Corrective Action Summary:**

Event date: 08/29/1996  
Event: RFA Determination Of Need For An RFI, RFI is Necessary;

Event date: 09/30/1996  
Event: CA Prioritization, Facility or area was assigned a high corrective action priority.

Event date: 10/26/1996  
Event: CA611

Event date: 10/26/1996  
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 07/16/1997  
Event: RFI Imposition

Event date: 09/29/1997  
Event: CA611

Event date: 02/17/1998  
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 06/11/1998  
Event: CA611

Event date: 06/12/1998  
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: 08/14/1998  
Event: RFI Workplan Approved

Event date: 09/22/1998  
Event: CA Responsibility Referred To A Non-RCRA Federal Authority, Corrective

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Action at the facility or area referred to CERCLA.

Event date: 11/14/1998  
Event: Stabilization Measures Implemented, Primary measure is source removal and/or treatment (e.g., soil or waste excavation, in-situ soil treatment, off-site treatment).

Event date: Not reported  
Event: RFI Workplan Approved

Event date: Not reported  
Event: RFI Workplan Received

Facility Has Received Notices of Violations:

Regulation violated: SR - 4202.7(c), 4202.7(d).  
Area of violation: Generators - Pre-transport  
Date violation determined: 09/09/2005  
Date achieved compliance: 10/13/2005  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/21/2005  
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 - 4202.6  
Area of violation: Generators - Pre-transport  
Date violation determined: 09/09/2005  
Date achieved compliance: 10/13/2005  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/21/2005  
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 - 4200.10  
Area of violation: Generators - General  
Date violation determined: 09/09/2005  
Date achieved compliance: 10/13/2005  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 09/21/2005  
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: FR - 40 CFR 265.50

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Area of violation: Generators - General  
Date violation determined: 06/28/1995  
Date achieved compliance: 01/23/2001  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.51(a)  
Area of violation: Generators - General  
Date violation determined: 05/15/1995  
Date achieved compliance: 01/23/2001  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.12  
Area of violation: Generators - General  
Date violation determined: 02/26/1995  
Date achieved compliance: 12/19/1996  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.174  
Area of violation: Generators - General  
Date violation determined: 02/26/1995  
Date achieved compliance: 01/23/2001  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.16  
Area of violation: Generators - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Date violation determined: 02/26/1995  
Date achieved compliance: 08/13/1998  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(3)  
Area of violation: Generators - Pre-transport  
Date violation determined: 02/26/1995  
Date achieved compliance: 08/13/1998  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 02/26/1995  
Date achieved compliance: 08/13/1998  
Violation lead agency: EPA  
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 12/30/1988  
Date achieved compliance: 05/12/1989  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 01/17/1989  
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: 12/13/2012  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	06/05/2012
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	03/01/2012
Evaluation:	NON-FINANCIAL RECORD REVIEW
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/20/2011
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	01/28/2010
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	State
Evaluation date:	07/08/2008
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	09/09/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	10/13/2005
Evaluation lead agency:	State
Evaluation date:	09/09/2005
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - Pre-transport
Date achieved compliance:	10/13/2005
Evaluation lead agency:	State
Evaluation date:	01/23/2001
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Not reported
Date achieved compliance:	Not reported
Evaluation lead agency:	EPA
Evaluation date:	06/28/1995
Evaluation:	COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation:	Generators - General
Date achieved compliance:	12/19/1996
Evaluation lead agency:	EPA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Evaluation date: 06/28/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 08/13/1998  
Evaluation lead agency: EPA

Evaluation date: 06/28/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 08/13/1998  
Evaluation lead agency: EPA

Evaluation date: 06/28/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 01/23/2001  
Evaluation lead agency: EPA

Evaluation date: 05/15/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 01/23/2001  
Evaluation lead agency: EPA

Evaluation date: 09/29/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/12/1989  
Evaluation: COMPLIANCE SCHEDULE EVALUATION  
Area of violation: Generators - General  
Date achieved compliance: 05/12/1989  
Evaluation lead agency: State

Evaluation date: 12/30/1988  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 05/12/1989  
Evaluation lead agency: State

Evaluation date: 07/17/1985  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**US ENG CONTROLS:**

EPA ID: DC9170024310  
Site ID: 0300031  
Name: WASHINGTON NAVY YARD  
Address: 901 M STREET, SE  
WASHINGTON, DC 203740001  
  
EPA Region: 03  
County: DISTRICT OF COLUMBIA  
Event Code: Not reported  
Actual Date: 09/30/11

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Action ID: 006  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/06  
Operable Unit: 05  
Contaminated Media : Soil  
Engineering Control: No Further Action

Action ID: 007  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/06  
Operable Unit: 06  
Contaminated Media : Soil  
Engineering Control: No Further Action

Action ID: 013  
Action Name: RECORD OF DECISION  
Action Completion date: 09/28/04  
Operable Unit: 04  
Contaminated Media : Soil  
Engineering Control: No Further Action

Action ID: 014  
Action Name: RECORD OF DECISION  
Action Completion date: 10/14/05  
Operable Unit: 14  
Contaminated Media : Soil  
Engineering Control: No Further Action

Action ID: 020  
Action Name: RECORD OF DECISION  
Action Completion date: 09/18/09  
Operable Unit: 10  
Contaminated Media : Subsurface Soil  
Engineering Control: No Further Action

Action ID: 020  
Action Name: RECORD OF DECISION  
Action Completion date: 09/18/09  
Operable Unit: 10  
Contaminated Media : Surface Soil  
Engineering Control: No Further Action

Action ID: 021  
Action Name: RECORD OF DECISION  
Action Completion date: 12/20/07  
Operable Unit: 13  
Contaminated Media : Soil  
Engineering Control: No Action

Action ID: 025  
Action Name: RECORD OF DECISION  
Action Completion date: 09/29/11  
Operable Unit: 19  
Contaminated Media : Soil  
Engineering Control: No Action



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

ROD:

Full-text of USEPA Record of Decision(s) is available from EDR.

NY MANIFEST:

EPA ID: DC9170024310  
Country: USA  
Mailing Name: UNITED STATES MILITARY  
Mailing Contact: UNITED STATES MILITARY  
Mailing Address: GSA NAVY YARD-10 P STREET SW  
Mailing Address 2: Not reported  
Mailing City: WASHINGTON  
Mailing State: DC  
Mailing Zip: 20407  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 202-755-5636

Document ID: NYC1052469  
Manifest Status: Completed after the designated time period for a TSDf to get a copy to the DEC  
Trans1 State ID: 42791A101  
Trans2 State ID: NJ564TUH  
Generator Ship Date: 910628  
Trans1 Recv Date: 910628  
Trans2 Recv Date: 910711  
TSD Site Recv Date: 910719  
Part A Recv Date: 910715  
Part B Recv Date: 910802  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSDf ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 91

Document ID: NYA9581556  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890725  
Trans1 Recv Date: 890725  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890725  
Part A Recv Date: 890801  
Part B Recv Date: 890809  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDf ID: NYD980753784

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Waste Code: F003 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 89

Document ID: NYA3328593  
Manifest Status: Completed copy  
Trans1 State ID: S-12529/0  
Trans2 State ID: Not reported  
Generator Ship Date: 880226  
Trans1 Recv Date: 880226  
Trans2 Recv Date: 880307  
TSD Site Recv Date: 880310  
Part A Recv Date: 880309  
Part B Recv Date: 880318  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: DCD981735244  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00004  
Units: Y - Cubic yards\* (.85 tons)  
Number of Containers: 002  
Container Type: CW - Wooden boxes  
Handling Method: L Landfill.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00001  
Units: Y - Cubic yards\* (.85 tons)  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 88

Document ID: NYB8805087  
Manifest Status: Not reported  
Trans1 State ID: PAD146714878  
Trans2 State ID: Not reported  
Generator Ship Date: 08/31/1998  
Trans1 Recv Date: 08/31/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 09/02/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: XB58795PA  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 39860

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYB8805159  
Manifest Status: Not reported  
Trans1 State ID: PAD146714878  
Trans2 State ID: Not reported  
Generator Ship Date: 10/19/1998  
Trans1 Recv Date: 10/19/1998  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/21/1998  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: XA07713PA  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 21140  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 01.00  
Year: 98

Document ID: NYC0223492  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 42790A057  
Trans2 State ID: T615KP NJ  
Generator Ship Date: 900430  
Trans1 Recv Date: 900430  
Trans2 Recv Date: 900511  
TSD Site Recv Date: 900515  
Part A Recv Date: 900831  
Part B Recv Date: 900706  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSDF ID: NYD980753784  
Waste Code: F003 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90

Document ID: NYC0298855

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 900530  
Trans1 Recv Date: 900530  
Trans2 Recv Date: 900607  
TSD Site Recv Date: 900612  
Part A Recv Date: 900731  
Part B Recv Date: 900627  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSDF ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90

Document ID: NYA9397124  
Manifest Status: Completed copy  
Trans1 State ID: 4289A0454  
Trans2 State ID: Not reported  
Generator Ship Date: 890329  
Trans1 Recv Date: 890329  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890404  
Part A Recv Date: 890405  
Part B Recv Date: 890411  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSDF ID: NYD980753784  
Waste Code: F003 - UNKNOWN  
Quantity: 00144  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 89

Document ID: NYC0378415  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: 42790A057  
Trans2 State ID: 506T4JNJ  
Generator Ship Date: 900731  
Trans1 Recv Date: 900731  
Trans2 Recv Date: 900811  
TSD Site Recv Date: 900817  
Part A Recv Date: 900906  
Part B Recv Date: 900907

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSDF ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00123  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90

Document ID: NYG1885977  
Manifest Status: Not reported  
Trans1 State ID: PAD987358587  
Trans2 State ID: Not reported  
Generator Ship Date: 06/27/2001  
Trans1 Recv Date: 06/27/2001  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 06/28/2001  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSDF ID: XN39249PA  
Waste Code: B002 - PETROLEUM OIL WITH 50 BUT < 500 PPM PCB  
Quantity: 05227  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 023  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 01.00  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 00682  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 010  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2001

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJ0000027193  
Trans2 State ID: NJD986576031  
Generator Ship Date: 2008-03-27  
Trans1 Recv Date: 2008-03-27  
Trans2 Recv Date: 2008-04-01  
TSD Site Recv Date: 2008-04-02  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 522.0  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 5.0  
Container Type: CF - Fiber or plastic boxes, cartons  
Handling Method: L Landfill.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000848170JJK  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: Y  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: NYC0497046  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 42790A057  
Trans2 State ID: Not reported  
Generator Ship Date: 900921  
Trans1 Recv Date: 900921  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 901009  
Part A Recv Date: 901012  
Part B Recv Date: 901024  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: Not reported  
TSD ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90

Document ID: NYC0716646  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 427-91A10  
Trans2 State ID: NJ506TYJ  
Generator Ship Date: 910219  
Trans1 Recv Date: 910219  
Trans2 Recv Date: 910228  
TSD Site Recv Date: 910305  
Part A Recv Date: 910305

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Part B Recv Date: 910321  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSD ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 91

Document ID: NYC0040724  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 42790A057  
Trans2 State ID: T615KPNJ  
Generator Ship Date: 900122  
Trans1 Recv Date: 900122  
Trans2 Recv Date: 900201  
TSD Site Recv Date: 900206  
Part A Recv Date: 900129  
Part B Recv Date: 900228  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSD ID: NYD980753784  
Waste Code: F003 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90

Document ID: NYB7194258  
Manifest Status: Completed copy  
Trans1 State ID: XB55806PA  
Trans2 State ID: Not reported  
Generator Ship Date: 960731  
Trans1 Recv Date: 960731  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 960801  
Part A Recv Date: 960819  
Part B Recv Date: 960819  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: PAD987271020  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 13260  
Units: P - Pounds  
Number of Containers: 001

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 100  
Year: 96

Document ID: NYA7986285  
Manifest Status: Completed copy  
Trans1 State ID: 000000000  
Trans2 State ID: 000000000  
Generator Ship Date: 890111  
Trans1 Recv Date: 890111  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 890123  
Part A Recv Date: 890118  
Part B Recv Date: 890127  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: DCD981735244  
Trans2 EPA ID: DCD981735244  
TSD ID: NYD049836679  
Waste Code: B005 - PCB ARTICLES WITH 500 PPM OR > PCB  
Quantity: 00750  
Units: P - Pounds  
Number of Containers: 004  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 89

Document ID: NYC0880593  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 42791A101  
Trans2 State ID: NJ564TUH  
Generator Ship Date: 910419  
Trans1 Recv Date: 910419  
Trans2 Recv Date: 910425  
TSD Site Recv Date: 910430  
Part A Recv Date: 910501  
Part B Recv Date: 910515  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSD ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 91

Document ID: NYA9849497  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 42789A352



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Trans2 State ID: T631631SC  
Generator Ship Date: 891212  
Trans1 Recv Date: 891212  
Trans2 Recv Date: 891215  
TSD Site Recv Date: 891219  
Part A Recv Date: 891219  
Part B Recv Date: 900108  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSD ID: NYD980753784  
Waste Code: F003 - UNKNOWN  
Quantity: 00123  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 89

Document ID: NYC0581163  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 42790A057  
Trans2 State ID: T996LNNJ  
Generator Ship Date: 901128  
Trans1 Recv Date: 901128  
Trans2 Recv Date: 901206  
TSD Site Recv Date: 901212  
Part A Recv Date: 910102  
Part B Recv Date: 910116  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408  
Trans2 EPA ID: ILD051060408  
TSD ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00123  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 90

Document ID: NYC1233819  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: 056401  
Trans2 State ID: Not reported  
Generator Ship Date: 910923  
Trans1 Recv Date: 910923  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 911004  
Part A Recv Date: 911003  
Part B Recv Date: 911028  
Generator EPA ID: DC9170024310  
Trans1 EPA ID: ILD051060408

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Trans2 EPA ID: Not reported  
TSD ID: NYD980753784  
Waste Code: F005 - UNKNOWN  
Quantity: 00027  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 91

[Click this hyperlink](#) while viewing on your computer to access  
21 additional NY\_MANIFEST: record(s) in the EDR Site Report.

PA MANIFEST:

Year: 2011  
Manifest Number: 006496765JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 07/26/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 3  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 008982378JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 12/19/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: D011  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 14  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 008982125JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 09/19/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: NONE  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 30  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 000843971JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 08/25/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Waste Number: D008  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 300  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 001052577GBF  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 12/14/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported

Page Number: 1  
Line Number: 1  
Waste Number: D008  
Container Number: 2  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 500  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 001052586GBF  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 12/14/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D008  
Container Number: 1  
Container Type: Metal drums, barrels, kegs

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Waste Quantity: 150  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006496765JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 07/26/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: NONE  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 40  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006496765JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 07/26/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 4  
Waste Number: D008  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 35  
Unit: Pounds  
Handling Code: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	008982125JJK
Manifest Type:	T
Generator EPA Id:	DC9170024310
Generator Date:	09/19/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	202-433-7182
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	2
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	38
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2011
Manifest Number:	008982378JJK
Manifest Type:	T
Generator EPA Id:	DC9170024310
Generator Date:	12/19/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	202-433-7182
TSD Epa Id:	PAD067098822
TSD Date:	Not reported
TSD Facility Name:	CYCLE CHEM INC
TSD Facility Address:	550 INDUSTRIAL DRIVE
TSD Facility City:	LEWISBERRY
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	14
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Year: 2011  
Manifest Number: 008982125JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 09/19/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 2  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 008982378JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 12/19/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 25  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 008982378JJK  
Manifest Type: T

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

Generator EPA Id: DC9170024310  
Generator Date: 12/19/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 2  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006496765JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 07/26/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 40  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 008982125JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 09/19/2011  
Mailing Address: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 4  
Waste Number: NONE  
Container Number: 3  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 1100  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 008982125JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 09/19/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: D011  
Container Number: 2  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 38  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2010  
Manifest Number: 006954692JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 11/09/2010  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

WASHINGTON NAVY YARD (Continued)

1000147680

TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D008  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 100  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2010  
Manifest Number: 006499008JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 07/29/2010  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 4  
Waste Number: D002  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 4  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2010  
Manifest Number: 006499069JJK  
Manifest Type: T  
Generator EPA Id: DC9170024310  
Generator Date: 08/23/2010  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-433-7182  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1000147680**

TSD Facility Address: 550 INDUSTRIAL DRIVE  
 TSD Facility City: LEWISBERRY  
 TSD Facility State: PA  
 Facility Telephone: Not reported  
 Page Number: 1  
 Line Number: 4  
 Waste Number: NONE  
 Container Number: 3  
 Container Type: Fiberboard or plastic drums, barrels, kegs  
 Waste Quantity: 75  
 Unit: Pounds  
 Handling Code: Not reported  
 TSP EPA Id: Not reported  
 Date TSP Sig: Not reported

Year: 2010  
 Manifest Number: 006499069JJK  
 Manifest Type: T  
 Generator EPA Id: DC9170024310  
 Generator Date: 08/23/2010  
 Mailing Address: Not reported  
 Mailing City, St, Zip: Not reported  
 Contact Name: Not reported  
 Contact Phone: 202-433-7182  
 TSD Epa Id: PAD067098822  
 TSD Date: Not reported  
 TSD Facility Name: CYCLE CHEM INC  
 TSD Facility Address: 550 INDUSTRIAL DRIVE  
 TSD Facility City: LEWISBERRY  
 TSD Facility State: PA  
 Facility Telephone: Not reported  
 Page Number: 1  
 Line Number: 2  
 Waste Number: D001  
 Container Number: 1  
 Container Type: Fiberboard or plastic drums, barrels, kegs  
 Waste Quantity: 50  
 Unit: Pounds  
 Handling Code: Not reported  
 TSP EPA Id: Not reported  
 Date TSP Sig: Not reported

[Click this hyperlink](#) while viewing on your computer to access  
 56 additional PA MANIFEST: record(s) in the EDR Site Report.

1

< 1/8  
 1 ft.

**100 S STREET, SW  
 WASHINGTON, DC**

**DC BROWNFIELDS S108931551  
 N/A**

**Relative:  
 Lower**

BROWNFIELD:  
 PB ID: PBF2004-0120  
 Ownership: Private  
 Size (sf): Not reported  
 Phase I: unknown  
 Phase II: unknown  
 Lot: 0011-0810  
 Square: 0602

**Actual:  
 19 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S108931551

Latitude/Longitude: 38.8682155 / -77.0121963  
Notes: WS: Other

A2 PEPCO BUZZARD - TANK # 1  
< 1/8 180 S STREET, SW  
1 ft. WASHINGTON, DC

DC LUST S108931574  
DC BROWNFIELDS N/A

Site 1 of 3 in cluster A

Relative:  
Lower

LUST:  
Facility ID: 2-002337  
Facility Type: Other  
Facility Status: Closed  
Product: Gasoline, Diesel  
Notification Date: 8/27/1993  
Ward: 6  
Media Of Contamination: SOIL  
Entry Date: 8/27/1993  
Lust Number: 93094

Actual:  
17 ft.

BROWNFIELD:

PB ID: PBF2003-0034  
Ownership: Private  
Size (sf): Not reported  
Phase I: unknown  
Phase II: unknown  
Lot: N  
Square: 0605?  
Latitude/Longitude: 38.92895304 / -76.97906441  
Notes: WS: Other

A3 ATTIS  
< 1/8 1714 2ND ST SW  
1 ft. WASHINGTON, DC 20024

DC UST U002108164  
N/A

Site 2 of 3 in cluster A

Relative:  
Lower

UST:  
Facility ID: 2000084  
Facility Description: False  
Owner: AT&T COMMUNICATIONS

Actual:  
17 ft.

Tank ID: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 3500  
Substance: Gasoline

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**A4**      **AT&T - 1714 2ND ST SW**  
**1714 2ND STREET, SW**  
**WASHINGTON, DC**

**DC LUST**    **S108931573**  
**DC BROWNFIELDS**    **N/A**

< 1/8  
 1 ft.

**Site 3 of 3 in cluster A**

**Relative:**  
**Lower**

LUST:  
 Facility ID:                    2-000084  
 Facility Type:                Other  
 Facility Status:              Closed  
 Product:                        Gasoline  
 Notification Date:          7/1/1992  
 Ward:                            6  
 Media Of Contamination:    Soil/GW  
 Entry Date:                  7/1/1992  
 Lust Number:                 92076

**Actual:**  
**17 ft.**

BROWNFIELD:  
 PB ID:                         PBF2003-0008  
 Ownership:                    Private  
 Size (sf):                     25,612  
 Phase I:                        unknown  
 Phase II:                       unknown  
 Lot:                             0007  
 Square:                        0605  
 Latitude/Longitude:        38.86822262 / -77.01359292  
 Notes:                         WS: Other

**B5**      **HOME MOVING & STORAGE**  
**1812 HALF ST., SW**  
**WASHINGTON, DC**

**DC LUST**    **S105029670**  
**N/A**

< 1/8  
 1 ft.

**Site 1 of 3 in cluster B**

**Relative:**  
**Higher**

LUST:  
 Facility ID:                    2-004505  
 Facility Type:                Other  
 Facility Status:              Open  
 Product:                        Gasoline  
 Notification Date:          12/6/1994  
 Ward:                            6  
 Media Of Contamination:    Soil/GW  
 Entry Date:                  12/6/1994  
 Lust Number:                 95015

**Actual:**  
**21 ft.**

**B6**      **BORGER MANAGEMENT, INC.**  
**1812 HALF ST SW**  
**WASHINGTON, DC 20024**

**DC UST**    **U003054693**  
**N/A**

< 1/8  
 1 ft.

**Site 2 of 3 in cluster B**

**Relative:**  
**Higher**

UST:  
 Facility ID:                    2004505  
 Facility Description:        False  
 Owner:                         BORGER MANAGEMENT, INC.  
  
 Tank ID:                        1  
 Tank Status:                 **Permanently Out of Use**

**Actual:**  
**21 ft.**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BORGER MANAGEMENT, INC. (Continued)**

**U003054693**

Tank Capacity: 4000  
 Substance: Gasoline

7

**PEPCO**  
**1ST & T ST SW**  
**WASHINGTON, DC 20024**

**DC UST U003294414**  
**N/A**

< 1/8  
 1 ft.

**Relative:**  
**Lower**

UST:  
 Facility ID: 2000214  
 Facility Description: False  
 Owner: POTOMAC ELECTRIC POWER COMPANY.

**Actual:**  
**18 ft.**

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 6000  
 Substance: Diesel

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 6000  
 Substance: Diesel

B8

**1824 HALF STREET, SW**  
**WASHINGTON, DC**

**DC BROWNFIELDS S108931575**  
**N/A**

< 1/8  
 1 ft.

**Site 3 of 3 in cluster B**

**Relative:**  
**Higher**

BROWNFIELD:  
 PB ID: PBF2003-0015  
 Ownership: Private  
 Size (sf): Not reported  
 Phase I: unknown  
 Phase II: unknown  
 Lot: 0001  
 Square: 0664  
 Latitude/Longitude: 38.91337093 / -76.98594752  
 Notes: WS: Other

**Actual:**  
**21 ft.**

C9

**SUPER SALVAGE, INC.**  
**1711 1ST STREET., SW**  
**WASHINGTON, DC**

**DC LUST S102834829**  
**N/A**

< 1/8  
 1 ft.

**Site 1 of 4 in cluster C**

**Relative:**  
**Higher**

LUST:  
 Facility ID: 2-003504  
 Facility Type: Other  
 Facility Status: Closed  
 Product: Gasoline  
 Notification Date: 10/13/1995  
 Ward: 6  
 Media Of Contamination: SOIL

**Actual:**  
**22 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUPER SALVAGE, INC. (Continued)**

**S102834829**

Entry Date: 10/13/1995  
Lust Number: 96030

**C10**  
**< 1/8**  
**1 ft.**

**SUPER SALVAGE INC.**  
**1711 1ST ST SW**  
**WASHINGTON, DC 20024**

**DC UST** **U003054563**  
**N/A**

**Site 2 of 4 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**22 ft.**

UST:  
Facility ID: 2003504  
Facility Description: False  
Owner: SUPER SALVAGE INC.  
  
Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Gasoline

**C11**  
**< 1/8**  
**1 ft.**

**1700 1ST STREET, SW**  
**WASHINGTON, DC**

**DC BROWNFIELDS** **S108931572**  
**N/A**

**Site 3 of 4 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**22 ft.**

BROWNFIELD:  
PB ID: PBF2003-0026  
Ownership: Private  
Size (sf): Not reported  
Phase I: unknown  
Phase II: unknown  
Lot: 0605  
Square: Unknown  
Latitude/Longitude: 38.91226503 / -76.9818002  
Notes: WS: Other

**C12**  
**< 1/8**  
**1 ft.**

**SUPER SALVAGE INC**  
**1711 FIRST STREET SW**  
**WASHINGTON, DC 20024**

**RCRA-CESQG** **1001023400**  
**DCR000000208**

**Site 4 of 4 in cluster C**

**Relative:**  
**Higher**  
**Actual:**  
**22 ft.**

RCRA-CESQG:  
Date form received by agency: 02/10/2010  
Facility name: SUPER SALVAGE INC  
Facility address: 1711 FIRST STREET SW  
WASHINGTON, DC 20024  
  
EPA ID: DCR000000208  
Mailing address: FIRST STREET SW  
WASHINGTON, DC 20024  
  
Contact: STEPHEN MIDDLETHON  
Contact address: FIRST STREET SW  
WASHINGTON, DC 20024  
  
Contact country: US  
Contact telephone: 202-488-7157

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUPER SALVAGE INC (Continued)**

**1001023400**

Contact email: SCRAPBOY@NETZERO.NET  
EPA Region: 03  
Land type: Private  
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: KAPLAN ROBERT  
Owner/operator address: 3226 LUNHAM DR  
SILVER SPRING, MD 20906  
Owner/operator country: Not reported  
Owner/operator telephone: (301) 598-7267  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: KAPLAN ROBERT  
Owner/operator address: LUNHAM DR  
SILVER SPRING, MD 20906  
Owner/operator country: US  
Owner/operator telephone: 301-598-7267  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2010  
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



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SUPER SALVAGE INC (Continued)**

**1001023400**

Historical Generators:

Date form received by agency: 02/03/2000  
Facility name: SUPER SALVAGE INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 05/31/1995  
Facility name: SUPER SALVAGE INC  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSLEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D018  
Waste name: BENZENE

Waste code: D035  
Waste name: METHYL ETHYL KETONE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/22/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/01/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/22/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SUPER SALVAGE INC (Continued)**

**1001023400**

Evaluation lead agency: State

Evaluation date: 12/22/1998  
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Area of violation: Not reported  
 Date achieved compliance: Not reported  
 Evaluation lead agency: State

Evaluation date: 01/23/1996  
 Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
 Area of violation: Not reported  
 Date achieved compliance: Not reported  
 Evaluation lead agency: State

**D13**  
**NNE**  
 < 1/8  
 0.027 mi.  
 140 ft.

**METRO BUILDING SUPPLY**  
**50 Q STREET, SW**  
**WASHINGTON, DC**

**DC LUST S102835013**  
**N/A**

**Site 1 of 5 in cluster D**

**Relative:**  
**Higher**

**LUST:**  
 Facility ID: 2-000575  
 Facility Type: Other  
 Facility Status: NFA  
 Product: Gasoline  
 Notification Date: 6/28/1991  
 Ward: 6  
 Media Of Contamination: Soil/GW  
 Entry Date: 6/28/1991  
 Lust Number: 91045

**Actual:**  
**25 ft.**

**D14**  
**NNE**  
 < 1/8  
 0.027 mi.  
 140 ft.

**METRO BUILDING SUPPLY CO.**  
**50 Q ST SW**  
**WASHINGTON, DC 20024**

**DC UST U002108276**  
**N/A**

**Site 2 of 5 in cluster D**

**Relative:**  
**Higher**

**UST:**  
 Facility ID: 2000575  
 Facility Description: False  
 Owner: METRO BUILDING SUPPLY, CO

**Actual:**  
**25 ft.**

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 4000  
 Substance: Diesel

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 4000  
 Substance: Diesel

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 2000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**METRO BUILDING SUPPLY CO. (Continued)**

**U002108276**

Substance: Gasoline

**D15**  
**NNE**  
**< 1/8**  
**0.032 mi.**  
**168 ft.**

**USA MOTORS INC**  
**45 Q STREET SW**  
**WASHINGTON, DC 20024**

**RCRA-CESQG 1004681868**  
**NJ MANIFEST DCR000500017**

**Site 3 of 5 in cluster D**

**Relative:**  
**Higher**

RCRA-CESQG:

Date form received by agency: 07/25/2011

Facility name: USA MOTORS INC

Facility address: 45 Q STREET SW  
WASHINGTON, DC 20024

EPA ID: DCR000500017

Mailing address: Q STREET SW  
WASHINGTON, DC 20024

Contact: BALWINDER SINGH

Contact address: Q STREET SW  
WASHINGTON, DC 20024

Contact country: US

Contact telephone: (202) 484-4155

Contact email: Not reported

EPA Region: 03

Land type: Private

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: SINGH, BALWINDER  
Owner/operator address: 1439 FISHERS MILL COURT  
HERNDON, VA 20170

Owner/operator country: US  
Owner/operator telephone: (703) 450-9667

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 11/01/2000

Owner/Op end date: Not reported

Owner/operator name: SINGH, BALWINDER  
Owner/operator address: 1439 FISHERS MILL COURT  
HERNDON, VA 20170

Owner/operator country: US  
Owner/operator telephone: (703) 450-9667

Legal status: Private

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Owner/Operator Type: Operator  
Owner/Op start date: 11/01/2000  
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: 11/07/2000  
Facility name: USA MOTORS INC  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018  
Waste name: BENZENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/30/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/01/2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 08/29/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**NJ MANIFEST:**

Manifest Code: NJA5224187  
EPA ID: DCR000500017  
Date Shipped: 01/19/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 01/19/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 01/26/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 03030521  
Reference Manifest Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5070813  
EPA ID: DCR000500017  
Date Shipped: 03/17/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 03/17/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 03/21/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 05110521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5213719  
EPA ID: DCR000500017  
Date Shipped: 05/19/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 05/19/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 05/23/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06240521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5068396  
EPA ID: DCR000500017  
Date Shipped: 07/06/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/06/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 07/12/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 08100521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5068142  
EPA ID: DCR000500017  
Date Shipped: 09/12/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 09/12/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 09/20/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 10280521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5250985  
EPA ID: DCR000500017  
Date Shipped: 10/26/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/26/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 11/03/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 12140535  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5255704  
EPA ID: DCR000500017  
Date Shipped: 12/16/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 12/16/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 12/22/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 02170622  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Hand Code: Not reported

Manifest Code: 002090700SKS  
EPA ID: DCR000500017  
Date Shipped: 08/26/2009  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/26/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 09/01/2009  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D039  
Manifest Year: 2009 New Jersey Manifest Data  
Quantity: 14  
Unit: G  
Hand Code: H020

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Manifest Code: NJA5096032  
EPA ID: DCR000500017  
Date Shipped: 01/02/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 01/02/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 01/14/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 03120421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5117455

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

EPA ID: DCR000500017  
Date Shipped: 02/17/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 02/17/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 02/27/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 03300422  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5094874  
EPA ID: DCR000500017

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Date Shipped: 04/20/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 04/20/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 04/26/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 05110421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5039563  
EPA ID: DCR000500017  
Date Shipped: 06/14/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/14/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 06/16/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06250421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5070147  
EPA ID: DCR000500017  
Date Shipped: 08/03/2004  
TSDF EPA ID: NJD002182897



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/03/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 08/06/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 08300425  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071346  
EPA ID: DCR000500017  
Date Shipped: 10/01/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/01/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 10/07/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 11030425  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5072111  
EPA ID: DCR000500017  
Date Shipped: 11/19/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 11/19/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 11/24/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 01050525  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: 001848711SKS  
EPA ID: DCR000500017  
Date Shipped: 02/12/2010  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/12/2010
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/18/2010
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejectedd (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2010 New Jersey Manifest Data
Quantity:	15
Unit:	G
Hand Code:	H020
Manifest Code:	003648596FLE
EPA ID:	DCR000500017
Date Shipped:	1/26/2011
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	NJD071629976
Transporter 3 EPA ID:	TXR000050930
Transporter 4 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	Not reported
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	Not reported
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	USA MOTORS INC
Transporter-1 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-2 EPA Facility Name:	SJ TRANSPORTATION COMPANY
Transporter-3 EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	SAFETY KLEEN SYSTEMS INC
QTY Units:	gallons
Transporter SEQ ID:	1.00
Transporter-1 Date:	1/26/2011
Waste SEQ ID:	1.00
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	2/3/2011
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	Not reported
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2011 New Jersey Manifest Data
Quantity:	14.00
Unit:	gallons
Hand Code:	H020
Manifest Code:	001600365SKS
EPA ID:	DCR000500017
Date Shipped:	03/12/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	03/12/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	03/16/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	Not reported
Reference Manifest Number:	Not reported
Was Load Rejectedd (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	D039
Manifest Year:	2009 New Jersey Manifest Data
Quantity:	29
Unit:	G
Hand Code:	H020
Manifest Code:	000266120CEX
EPA ID:	DCR000500017
Date Shipped:	10/22/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/22/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 10/28/2009  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D039  
Manifest Year: 2009 New Jersey Manifest Data  
Quantity: 15  
Unit: G  
Hand Code: H020

Manifest Code: 001910737SKS  
EPA ID: DCR000500017  
Date Shipped: 05/08/2009  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**USA MOTORS INC (Continued)**

**1004681868**

Transporter 8 EPA ID: Not reported  
 Transporter 10 EPA ID: Not reported  
 Date Trans1 Transported Waste: 05/08/2009  
 Date Trans2 Transported Waste: Not reported  
 Date Trans3 Transported Waste: Not reported  
 Date Trans4 Transported Waste: Not reported  
 Date Trans5 Transported Waste: Not reported  
 Date Trans6 Transported Waste: Not reported  
 Date Trans7 Transported Waste: Not reported  
 Date Trans8 Transported Waste: Not reported  
 Date Trans9 Transported Waste: Not reported  
 Date Trans10 Transported Waste: Not reported  
 Date TSDf Received Waste: 05/11/2009  
 Tranporter 1 Decal: Not reported  
 Tranporter 2 Decal: Not reported  
 Generator EPA Facility Name: Not reported  
 Transporter-1 EPA Facility Name: Not reported  
 Transporter-2 EPA Facility Name: Not reported  
 Transporter-3 EPA Facility Name: Not reported  
 Transporter-4 EPA Facility Name: Not reported  
 Transporter-5 EPA Facility Name: Not reported  
 TSDf EPA Facility Name: Not reported  
 QTY Units: Not reported  
 Transporter SEQ ID: Not reported  
 Transporter-1 Date: Not reported  
 Waste SEQ ID: Not reported  
 Waste Type Code 2: Not reported  
 Waste Type Code 3: Not reported  
 Waste Type Code 4: Not reported  
 Waste Type Code 5: Not reported  
 Waste Type Code 6: Not reported  
 Date Accepted: Not reported  
 Manifest Discrepancy Type: Not reported  
 Data Entry Number: Not reported  
 Reference Manifest Number: Not reported  
 Was Load Rejected (Y/N): No  
 Reason Load Was Rejected: Not reported  
 Waste Code: D039  
 Manifest Year: 2009 New Jersey Manifest Data  
 Quantity: 13  
 Unit: G  
 Hand Code: H020

D16  
 NNE  
 < 1/8  
 0.032 mi.  
 168 ft.

**45 Q ST SW  
 WASHINGTON, DC 20024**  
**Site 4 of 5 in cluster D**

EDR US Hist Auto Stat 1015501451  
 N/A

Relative:  
 Higher  
 Actual:  
 25 ft.

EDR Historical Auto Stations:  
 Name: USA MOTORS INC  
 Year: 2001  
 Address: 45 Q ST SW  
 Name: USA MOTORS INC  
 Year: 2006



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

1015501451

Address: 45 Q ST SW  
Name: USA MOTORS INC  
Year: 2008  
Address: 45 Q ST SW  
Name: USA MOTORS INC  
Year: 2010  
Address: 45 Q ST SW  
Name: USA MOTORS INC  
Year: 2012  
Address: 45 Q ST SW

E17  
SE  
< 1/8  
0.037 mi.  
196 ft.

1900 HALF STREET, SW  
WASHINGTON, DC

DC BROWNFIELDS S108931576  
N/A

Site 1 of 2 in cluster E

Relative:  
Lower

BROWNFIELD:  
PB ID: PBF2003-0071  
Ownership: Private  
Size (sf): 110,988  
Phase I: unknown  
Phase II: unknown  
Lot: 0015  
Square: 0666  
Latitude/Longitude: 38.87650263 / -77.00351471  
Notes: WS: Other

Actual:  
11 ft.

E18  
SE  
< 1/8  
0.037 mi.  
196 ft.

WESTWOOD MANAGEMENT CORPORATION  
1900 HALF ST SW  
WASHINGTON, DC 20024

DC LUST U003054158  
DC UST N/A

Site 2 of 2 in cluster E

Relative:  
Lower

LUST:  
Facility ID: 2-000221  
Facility Type: Other  
Facility Status: Closed  
Product: Heating Oil  
Notification Date: Not reported  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: Not reported  
Lust Number: 95042

Actual:  
11 ft.

UST:

Facility ID: 2000221  
Facility Description: False  
Owner: WESTWOOD MANAGEMENT CORPORATION  
Tank ID: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 300

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**WESTWOOD MANAGEMENT CORPORATION (Continued)**

**U003054158**

Substance: Diesel

<b>F19</b>	<b>UNKNOWN</b>	<b>DC HIST UST</b>	<b>S110337839</b>
<b>North</b>	<b>1620 1ST ST SW</b>		<b>N/A</b>
<b>&lt; 1/8</b>	<b>WASHINGTON, DC</b>		
<b>0.040 mi.</b>			
<b>211 ft.</b>	<b>Site 1 of 5 in cluster F</b>		

<b>Relative:</b>	<b>HIST UST:</b>		
<b>Higher</b>	Facility Id:	2003502*001	
	Confirm Tank/Owner Address Found:	Not reported	
<b>Actual:</b>	Confirm Tank/No Owner Found:	Not reported	
<b>24 ft.</b>	Owner Found/No Tank:	Not reported	
	No Owner/No Tank:	Not reported	
	Address Not Found:	yes	
	Ltr Edc:	Not reported	
	Tank Status:	UNK	
	Tank Capacity:	Not reported	
	Product:	unk	

<b>D20</b>	<b>GOLD STAR SERVICES</b>	<b>RCRA-CESQG</b>	<b>1001122928</b>
<b>NE</b>	<b>39 Q STREET SW</b>	<b>FINDS</b>	<b>DCR000000711</b>
<b>&lt; 1/8</b>	<b>WASHINGTON, DC 20024</b>	<b>NJ MANIFEST</b>	
<b>0.047 mi.</b>			
<b>247 ft.</b>	<b>Site 5 of 5 in cluster D</b>		

<b>Relative:</b>	<b>RCRA-CESQG:</b>		
<b>Higher</b>	Date form received by agency:	06/08/2011	
	Facility name:	GOLD STAR SERVICES	
<b>Actual:</b>	Facility address:	39 Q STREET SW	
<b>24 ft.</b>		WASHINGTON, DC 20024	
	EPA ID:	DCR000000711	
	Mailing address:	Q STREET SW	
		WASHINGTON, DC 20024	
	Contact:	PRITMAN S GHUMAN	
	Contact address:	Q STREET SW	
		WASHINGTON, DC 20024	
	Contact country:	US	
	Contact telephone:	202-484-5555	
	Contact email:	Not reported	
	EPA Region:	03	
	Land type:	Private	
	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	

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

**1001122928**

hazardous waste

Owner/Operator Summary:

Owner/operator name: PRITMAN GHUMAN  
Owner/operator address: Q STREET SW  
WASHINGTON, DC 20024  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 04/01/1998  
Owner/Op end date: Not reported

Owner/operator name: SEREKE NEWAY  
Owner/operator address: 39 Q STREET SW  
WASHINGTON, DC 20024  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 05/01/2003  
Owner/Op end date: Not reported

Owner/operator name: PRITMAN GHUMAN  
Owner/operator address: Q STREET SW  
WASHINGTON, DC 20024  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 04/01/1998  
Owner/Op end date: Not reported

Owner/operator name: SODHI JAGJIT SINGH  
Owner/operator address: 5612 WOOD TRUSH CT  
FAIRFAX, VA 22032  
Owner/operator country: Not reported  
Owner/operator telephone: (703) 426-0328  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

Owner/operator name: GHUMAN INC  
Owner/operator address: 39 Q STREET SW  
WASHINGTON, DC 20024  
Owner/operator country: US  
Owner/operator telephone: (202) 484-5555  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 05/01/2003  
Owner/Op end date: Not reported

Handler Activities Summary:

U.S. importer of hazardous waste: No  
Mixed waste (haz. and radioactive): No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

**1001122928**

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: 07/13/2009  
Facility name: GOLD STAR SERVICES  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/04/2004  
Facility name: GOLD STAR SERVICES  
Site name: GHUMAN INC.  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 11/29/1996  
Facility name: GOLD STAR SERVICES  
Site name: SRL AUTO SERVICE INC  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D008  
Waste name: LEAD

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: SR - 4202.7(e)  
Area of violation: Generators - Pre-transport  
Date violation determined: 03/26/2003  
Date achieved compliance: 12/09/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

**1001122928**

Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/07/2003  
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 - 4200.6  
Area of violation: Generators - General  
Date violation determined: 03/26/1998  
Date achieved compliance: 04/24/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/26/1998  
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 - 4200.6(d)  
Area of violation: Generators - General  
Date violation determined: 03/26/1998  
Date achieved compliance: 04/24/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/26/1998  
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

Evaluation Action Summary:  
Evaluation date: 06/08/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/26/2003  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 12/09/2008  
Evaluation lead agency: State

Evaluation date: 03/26/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 04/24/1998  
Evaluation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

**1001122928**

Evaluation date: 01/07/1997  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110002504111

**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.

**NJ MANIFEST:**

Manifest Code: NJA5068143  
EPA ID: DCR000000711  
Date Shipped: 09/12/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 09/12/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 09/20/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 10280521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5085568  
EPA ID: DCR000000711  
Date Shipped: 05/14/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 05/14/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 05/21/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06070422  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5040675  
EPA ID: DCR000000711  
Date Shipped: 07/07/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/07/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 07/12/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 08200421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071663  
EPA ID: DCR000000711  
Date Shipped: 08/16/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/16/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 08/24/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 09170422  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071347  
EPA ID: DCR000000711  
Date Shipped: 10/01/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/01/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 10/07/2004  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 11030425  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5069437  
EPA ID: DCR000000711  
Date Shipped: 11/09/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 11/09/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 11/11/2004  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 01180525  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5224981  
EPA ID: DCR000000711  
Date Shipped: 12/29/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 12/29/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 01/05/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Manifest Discrepancy Type: Not reported  
Data Entry Number: 01310521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5070814  
EPA ID: DCR000000711  
Date Shipped: 03/14/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 03/14/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 03/21/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Data Entry Number: 05110521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5225356  
EPA ID: DCR000000711  
Date Shipped: 06/06/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/06/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 06/14/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 07210521

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GOLD STAR SERVICES (Continued)**

1001122928

Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

F21  
North  
< 1/8  
0.049 mi.  
261 ft.

**UNKNOWN**  
**1615 1ST ST SW**  
**WASHINGTON, DC**  
**Site 2 of 5 in cluster F**

**DC HIST UST** **S110337833**  
**N/A**

**Relative:**  
**Higher**

HIST UST:  
Facility Id: 2003501\*001  
Confirm Tank/Owner Address Found: Not reported  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: Not reported  
No Owner/No Tank: yes  
Address Not Found: Not reported  
Ltr Edc: Not reported  
Tank Status: UNK  
Tank Capacity: Not reported  
Product: unk

**Actual:**  
**24 ft.**

F22  
NNW  
< 1/8  
0.069 mi.  
365 ft.

**AUTO WARD INC.**  
**129 Q STREET SW**  
**WASHINGTON, DC 20024**  
**Site 3 of 5 in cluster F**

**RCRA-CESQG** **1000495676**  
**FINDS** **DCD983969064**  
**NJ MANIFEST**

**Relative:**  
**Lower**

RCRA-CESQG:  
Date form received by agency: 03/31/2011  
Facility name: AUTO WARD INC.  
Facility address: 129 Q STREET SW  
WASHINGTON, DC 20024  
EPA ID: DCD983969064  
Mailing address: Q STREET SW  
WASHINGTON, DC 20024  
Contact: MUHAMMAD SALEEM  
Contact address: Q STREET SW  
WASHINGTON, DC 20024  
Contact country: US  
Contact telephone: (NON) E G-IVEN  
Contact email: Not reported  
EPA Region: 03  
Land type: Private  
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

**Actual:**  
**18 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

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: TIBER CREEK ASSOCIATES  
Owner/operator address: 655 15TH ST NW STE 410  
WASHINGTON, DC 20006  
Owner/operator country: Not reported  
Owner/operator telephone: (202) 639-3813  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: MUHAMMAD SALEEM  
Owner/operator address: Q STREET  
WASHINGTON, DC 20024  
Owner/operator country: US  
Owner/operator telephone: 202-484-2222  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/2000  
Owner/Op end date: Not reported

Owner/operator name: MUHAMMAD SALEEM  
Owner/operator address: Q STREET  
WASHINGTON, DC 20024  
Owner/operator country: US  
Owner/operator telephone: 202-484-2222  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2000  
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  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Used oil transfer facility: No  
Used oil transporter: No

Historical Generators:

Date form received by agency: 05/12/2009  
Facility name: AUTO WARD INC.  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 08/19/1998  
Facility name: AUTO WARD INC.  
Site name: SAGA CORPORATION LINCOLN CAB ASSN  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018  
Waste name: BENZENE

Waste code: D035  
Waste name: METHYL ETHYL KETONE

Waste code: D036  
Waste name: NITROBENZENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F008  
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Used Oil - Generators  
Date violation determined: 12/09/2008  
Date achieved compliance: 06/22/2009

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

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

Regulation violated: Not reported  
Area of violation: TSD - General Facility Standards  
Date violation determined: 12/09/2008  
Date achieved compliance: 06/22/2009  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: Not reported  
Area of violation: Used Oil - Applicability  
Date violation determined: 12/09/2008  
Date achieved compliance: 06/22/2009  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: SR - 262.41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 04/04/1994  
Date achieved compliance: 05/01/1996  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/04/1994  
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: 03/01/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Evaluation lead agency: State

Evaluation date: 12/09/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Used Oil - Generators  
Date achieved compliance: 06/22/2009  
Evaluation lead agency: State

Evaluation date: 12/09/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: TSD - General Facility Standards  
Date achieved compliance: 06/22/2009  
Evaluation lead agency: State

Evaluation date: 12/09/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Used Oil - Applicability  
Date achieved compliance: 06/22/2009  
Evaluation lead agency: State

Evaluation date: 08/13/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/23/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/16/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 04/04/1994  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 05/01/1996  
Evaluation lead agency: State

Evaluation date: 03/24/1994  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110002502140

**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,

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

**NJ MANIFEST:**

Manifest Code:	001799345SKS
EPA ID:	DCD983969064
Date Shipped:	06/18/2009
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	06/18/2009
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	06/23/2009
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001  
Manifest Year: 2009 New Jersey Manifest Data  
Quantity: 5  
Unit: G  
Hand Code: H020

Manifest Code: 002107476SKS  
EPA ID: DCD983969064  
Date Shipped: 09/17/2009  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 09/17/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 09/22/2009  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001  
Manifest Year: 2009 New Jersey Manifest Data  
Quantity: 5  
Unit: G  
Hand Code: H020

Manifest Code: 001196839SKS  
EPA ID: DCD983969064  
Date Shipped: 04/28/2008  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 04/28/2008  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 05/06/2008  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001  
Manifest Year: 2008 New Jersey Manifest Data  
Quantity: 6  
Unit: G  
Hand Code: H020

Manifest Code: NJA5069919  
EPA ID: DCD983969064  
Date Shipped: 02/04/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 02/04/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 02/10/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 04130521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5222034  
EPA ID: DCD983969064  
Date Shipped: 04/29/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 04/29/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 05/05/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06020522  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5068607  
EPA ID: DCD983969064  
Date Shipped: 07/19/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/19/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 07/27/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 09020521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5250740  
EPA ID: DCD983969064  
Date Shipped: 10/11/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/11/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 10/18/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Manifest Discrepancy Type: Not reported  
Data Entry Number: 12270521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: 000339665SKS  
EPA ID: DCD983969064  
Date Shipped: 06/04/2007  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/04/2007  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 06/12/2007  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001  
Manifest Year: 2007 New Jersey Manifest Data  
Quantity: 7  
Unit: G  
Hand Code: H02

Manifest Code: NJA5036662  
EPA ID: DCD983969064  
Date Shipped: 03/04/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 03/04/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 03/05/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 04020425

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5039281  
EPA ID: DCD983969064  
Date Shipped: 05/21/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 05/21/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 05/30/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06150421  
Reference Manifest Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071665  
EPA ID: DCD983969064  
Date Shipped: 08/16/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/16/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 08/24/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 09170422  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5069439  
EPA ID: DCD983969064  
Date Shipped: 11/09/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 11/09/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 11/11/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 01180525  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: 001643717SKS  
EPA ID: DCD983969064  
Date Shipped: 01/06/2009  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 01/06/2009  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 01/20/2009  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Manifest Year: 2009 New Jersey Manifest Data  
Quantity: 6  
Unit: G  
Hand Code: H020

Manifest Code: NJA5307876  
EPA ID: DCD983969064  
Date Shipped: 01/05/2006  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 01/05/2006  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 01/10/2006  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 02280622  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5308459  
EPA ID: DCD983969064  
Date Shipped: 03/29/2006  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 03/29/2006  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 04/04/2006  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 05310621  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5256538  
EPA ID: DCD983969064  
Date Shipped: 06/19/2006  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/19/2006  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 06/21/2006  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 08030625  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Hand Code: Not reported

Manifest Code: 002303981SKS  
EPA ID: DCD983969064  
Date Shipped: 06/03/2010  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/03/2010  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 06/03/2010  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D039  
Manifest Year: 2010 New Jersey Manifest Data  
Quantity: 5  
Unit: G  
Hand Code: H020

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Manifest Code: 001388165SKS  
EPA ID: DCD983969064  
Date Shipped: 09/03/2008  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 09/03/2008  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 09/08/2008  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001  
Manifest Year: 2008 New Jersey Manifest Data  
Quantity: 4  
Unit: G  
Hand Code: H020

Manifest Code: 000983507SKS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

EPA ID: DCD983969064  
Date Shipped: 02/14/2008  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 02/14/2008  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 02/18/2008  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: D001  
Manifest Year: 2008 New Jersey Manifest Data  
Quantity: 11  
Unit: G  
Hand Code: H020

Manifest Code: 000849335SKS  
EPA ID: DCD983969064

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AUTO WARD INC. (Continued)**

**1000495676**

Date Shipped: 10/09/2007  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/09/2007  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 10/15/2007  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: Not reported  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

---

<b>F23</b> <b>NNW</b> < 1/8 0.069 mi. 365 ft.	<b>CABCO INC.</b> <b>129 Q ST SW</b> <b>WASHINGTON, DC 20024</b>  <b>Site 4 of 5 in cluster F</b>	<b>DC UST</b>	<b>U002108191</b> <b>N/A</b>
---	---	---------------	---------------------------------

<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>18 ft.</b>	<p>UST:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Facility ID:</td> <td>2000170</td> </tr> <tr> <td>Facility Description:</td> <td>False</td> </tr> <tr> <td>Owner:</td> <td>CABCO INC.</td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Tank ID:</td> <td>1</td> </tr> <tr> <td><b>Tank Status:</b></td> <td><b>Temporarily Out of Use</b></td> </tr> <tr> <td>Tank Capacity:</td> <td>4000</td> </tr> <tr> <td>Substance:</td> <td>Not Listed</td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Tank ID:</td> <td>2</td> </tr> <tr> <td><b>Tank Status:</b></td> <td><b>Temporarily Out of Use</b></td> </tr> <tr> <td>Tank Capacity:</td> <td>4000</td> </tr> <tr> <td>Substance:</td> <td>Not Listed</td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Tank ID:</td> <td>3</td> </tr> <tr> <td><b>Tank Status:</b></td> <td><b>Temporarily Out of Use</b></td> </tr> <tr> <td>Tank Capacity:</td> <td>6000</td> </tr> <tr> <td>Substance:</td> <td>Not Listed</td> </tr> </table>	Facility ID:	2000170	Facility Description:	False	Owner:	CABCO INC.	Tank ID:	1	<b>Tank Status:</b>	<b>Temporarily Out of Use</b>	Tank Capacity:	4000	Substance:	Not Listed	Tank ID:	2	<b>Tank Status:</b>	<b>Temporarily Out of Use</b>	Tank Capacity:	4000	Substance:	Not Listed	Tank ID:	3	<b>Tank Status:</b>	<b>Temporarily Out of Use</b>	Tank Capacity:	6000	Substance:	Not Listed
Facility ID:	2000170																														
Facility Description:	False																														
Owner:	CABCO INC.																														
Tank ID:	1																														
<b>Tank Status:</b>	<b>Temporarily Out of Use</b>																														
Tank Capacity:	4000																														
Substance:	Not Listed																														
Tank ID:	2																														
<b>Tank Status:</b>	<b>Temporarily Out of Use</b>																														
Tank Capacity:	4000																														
Substance:	Not Listed																														
Tank ID:	3																														
<b>Tank Status:</b>	<b>Temporarily Out of Use</b>																														
Tank Capacity:	6000																														
Substance:	Not Listed																														

<b>F24</b> <b>NNW</b> < 1/8 0.069 mi. 365 ft.	<b>129 Q ST SW</b> <b>WASHINGTON, DC 20024</b>  <b>Site 5 of 5 in cluster F</b>	<b>EDR US Hist Auto Stat</b>	<b>1015198835</b> <b>N/A</b>
---	--	------------------------------	---------------------------------

<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>18 ft.</b>	<p>EDR Historical Auto Stations:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Name:</td> <td>LINCOLN CAB AUTO REPAIR</td> </tr> <tr> <td>Year:</td> <td>1999</td> </tr> <tr> <td>Address:</td> <td>129 Q ST SW</td> </tr> </table> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Name:</td> <td>LINCOLN CAB AUTO REPAIR</td> </tr> <tr> <td>Year:</td> <td>2000</td> </tr> <tr> <td>Address:</td> <td>129 Q ST SW</td> </tr> </table>	Name:	LINCOLN CAB AUTO REPAIR	Year:	1999	Address:	129 Q ST SW	Name:	LINCOLN CAB AUTO REPAIR	Year:	2000	Address:	129 Q ST SW
Name:	LINCOLN CAB AUTO REPAIR												
Year:	1999												
Address:	129 Q ST SW												
Name:	LINCOLN CAB AUTO REPAIR												
Year:	2000												
Address:	129 Q ST SW												

<b>G25</b> <b>ENE</b> < 1/8 0.072 mi. 380 ft.	<b>STEUART PETROLEUM</b> <b>1721 S. CAPITOL STREET, SW</b> <b>WASHINGTON, DC</b>  <b>Site 1 of 4 in cluster G</b>	<b>DC LUST</b>	<b>S103816900</b> <b>N/A</b>
---	---	----------------	---------------------------------

<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>15 ft.</b>	<p>LUST:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 15%;">Facility ID:</td> <td>2-000640</td> </tr> <tr> <td>Facility Type:</td> <td>Gas Station</td> </tr> <tr> <td>Facility Status:</td> <td>Open</td> </tr> <tr> <td>Product:</td> <td>Gasoline, Heating Oil</td> </tr> <tr> <td>Notification Date:</td> <td>9/23/1987</td> </tr> <tr> <td>Ward:</td> <td>6</td> </tr> <tr> <td>Media Of Contamination:</td> <td>Soil/GW</td> </tr> <tr> <td>Entry Date:</td> <td>9/23/1987</td> </tr> </table>	Facility ID:	2-000640	Facility Type:	Gas Station	Facility Status:	Open	Product:	Gasoline, Heating Oil	Notification Date:	9/23/1987	Ward:	6	Media Of Contamination:	Soil/GW	Entry Date:	9/23/1987
Facility ID:	2-000640																
Facility Type:	Gas Station																
Facility Status:	Open																
Product:	Gasoline, Heating Oil																
Notification Date:	9/23/1987																
Ward:	6																
Media Of Contamination:	Soil/GW																
Entry Date:	9/23/1987																



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEUART PETROLEUM (Continued)**

**S103816900**

Lust Number: 87012

**G26**  
**ENE**  
**< 1/8**  
**0.072 mi.**  
**380 ft.**

**STEUART PETROLEUM COMPANY.**  
**1721 S CAPITOL ST SW**  
**WASHINGTON, DC 20003**

**DC UST** **U003763742**  
**N/A**

**Site 2 of 4 in cluster G**

**Relative:**  
**Lower**

UST:  
Facility ID: 2000640  
Facility Description: False  
Owner: STEUART INVESTMENT CO.  
  
Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1234934  
Substance: Heating Oil

**Actual:**  
**15 ft.**

**G27**  
**ENE**  
**< 1/8**  
**0.072 mi.**  
**380 ft.**

**STEUART PETRO CO SO CAPITOL TERMINAL**  
**1721 S CAPITOL ST NW**  
**WASHINGTON, DC 20024**

**RCRA NonGen / NLR** **1000424041**  
**DCD980551022**

**Site 3 of 4 in cluster G**

**Relative:**  
**Lower**

RCRA NonGen / NLR:  
Date form received by agency: 11/14/1980  
Facility name: STEUART PETRO CO SO CAPITOL TERMINAL  
Facility address: 1721 S CAPITOL ST NW  
WASHINGTON, DC 20024  
EPA ID: DCD980551022  
Mailing address: 4646 40TH ST NW  
WASHINGTON, DC 20016  
Contact: ANDREW\_S\_GARBUTT  
Contact address: 1721 S CAPITOL ST NW  
WASHINGTON, DC 20024  
Contact country: US  
Contact telephone: (202) 537-8900  
Contact email: Not reported  
EPA Region: 03  
Land type: Facility is not located on Indian land. Additional information is not known.  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**15 ft.**

**Owner/Operator Summary:**

Owner/operator name: STEUART INVESTMENT COMPANY  
Owner/operator address: OWNERSTREET  
OWNERCITY, AK 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEUART PETRO CO SO CAPITOL TERMINAL (Continued)**

**1000424041**

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  
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

Hazardous Waste Summary:

Waste code: D000  
Waste name: Not Defined

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 04/04/1994  
Date achieved compliance: 04/18/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/04/1994  
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 - 262.41(a)  
Area of violation: Generators - Records/Reporting  
Date violation determined: 03/06/1992

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**STEUART PETRO CO SO CAPITOL TERMINAL (Continued)**

**1000424041**

Date achieved compliance: 03/27/1992  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/06/1992  
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: 04/04/1994  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 04/18/1994  
Evaluation lead agency: State

Evaluation date: 03/06/1992  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 03/27/1992  
Evaluation lead agency: State

Evaluation date: 02/20/1985  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

28  
East  
< 1/8  
0.073 mi.  
383 ft.

**GOOSE BAY AGGREGATE,INC.  
2 S ST SW  
WASHINGTON, DC 20024**

**DC UST U002108259  
N/A**

Relative:  
Lower

UST:

Facility ID: 2000503  
Facility Description: False  
Owner: HOWAT CONCRETE COMPANY,INC.

Actual:  
9 ft.

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Heating Oil

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 4000  
Substance: Diesel

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 4000  
Substance: Diesel

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

GOOSE BAY AGGREGATE,INC. (Continued)

U002108259

Tank ID: 4  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Diesel

H29  
NE  
< 1/8  
0.073 mi.  
384 ft.

OPPORTUNITY CONCRETE GARAGE.  
1601 S CAPITOL ST SW  
WASHINGTON, DC 20024

DC UST U002108295  
N/A

Site 1 of 8 in cluster H

Relative:  
Higher

UST:  
Facility ID: 2000638  
Facility Description: False  
Owner: STEUART INVESTMENT,COMPANY

Actual:  
21 ft.

Tank ID: 1  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 1000  
Substance: Used Oil

Tank ID: 2  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 550  
Substance: Used Oil

Tank ID: 3  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 3000  
Substance: Heating Oil

Tank ID: 4  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 25000  
Substance: Heating Oil

Tank ID: 5  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 2000  
Substance: Heating Oil

Tank ID: 6  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 3000  
Substance: Gasoline

Tank ID: 7  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 550  
Substance: Not Listed

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

H30  
NE  
< 1/8  
0.073 mi.  
384 ft.

**OPPORTUNITY CONCRETE CORP**  
**1601 S CAPITOL ST SW**  
**WASHINGTON, DC**

**RCRA NonGen / NLR**  
**FINDS**  
**DC LUST**

**1000495667**  
**DCD983968975**

**Site 2 of 8 in cluster H**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**21 ft.**

Date form received by agency: 02/18/2000  
Facility name: OPPORTUNITY CONCRETE CORP  
Facility address: 1601 S CAPITOL ST SW  
WASHINGTON, DC 200030000  
EPA ID: DCD983968975  
Contact: JOSEPH J PENTOLINO  
Contact address: Not reported  
Not reported  
Contact country: Not reported  
Contact telephone: (202) 269-3300  
Contact email: Not reported  
EPA Region: 03  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: OPPORTUNITY CONCRETE CORP  
Owner/operator address: 1601 S CAPITOL ST SW  
WASHINGTON, DC 20003  
Owner/operator country: Not reported  
Owner/operator telephone: (202) 488-4138  
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: 03/16/1992  
Facility name: OPPORTUNITY CONCRETE CORP  
Classification: Not a generator, verified

Hazardous Waste Summary:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**OPPORTUNITY CONCRETE CORP (Continued)**

**1000495667**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D018  
Waste name: BENZENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 04/04/1994  
Date achieved compliance: 04/18/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/04/1994  
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: 07/21/2000  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 04/04/1994  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 04/18/1994  
Evaluation lead agency: State

FINDS:

Registry ID: 110002502051

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits

MAP FINDINGS

**OPPORTUNITY CONCRETE CORP (Continued)**

**1000495667**

issued under the Clean Water Act. Under NPDES, all facilities that discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

ICIS (Integrated Compliance Information System) is the Integrated Compliance Information System and provides a database that, when complete, will contain integrated Enforcement and Compliance information across most of EPA's programs. The vision for ICIS is to replace EPA's independent databases that contain Enforcement data with a single repository for that information. Currently, ICIS contains all Federal Administrative and Judicial enforcement actions. This information is maintained in ICIS by EPA in the Regional offices and it Headquarters. A future release of ICIS will replace the Permit Compliance System (PCS) which supports the NPDES and will integrate that information with Federal actions already in the system. ICIS also has the capability to track other activities occurring in the Region that support Compliance and Enforcement programs. These include; Incident Tracking, Compliance Assistance, and Compliance Monitoring.

**LUST:**

Facility ID: 0-000000  
 Facility Type: Industrial Former Fuel Termina  
 Facility Status: Open  
 Product: Heating Oil, Gasoline, Diesel  
 Notification Date: 3/21/2013  
 Ward: 6  
 Media Of Contamination: Soil/GW  
 Entry Date: 4/4/2013  
 Lust Number: 2013006

Facility ID: 2-000638  
 Facility Type: Other  
 Facility Status: Closed  
 Product: Gasoline  
 Notification Date: 11/30/1993  
 Ward: 6  
 Media Of Contamination: SOIL  
 Entry Date: 11/30/1993  
 Lust Number: 94012

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>H31</b> <b>NE</b> < 1/8 0.073 mi. 384 ft.	<b>SOLON AUTOMATED SERVICES</b> <b>1625 S CAPITOL ST SW</b> <b>WASHINGTON, DC 20003</b>  <b>Site 3 of 8 in cluster H</b>	<b>DC UST</b>	<b>U002109477</b> <b>N/A</b>
--	--	---------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	UST: Facility ID: 2004778 Facility Description: False Owner: POTOMAC DEVELOPMENT
<b>Actual:</b> <b>19 ft.</b>	Tank ID: 1 <b>Tank Status: Permanently Out of Use</b> Tank Capacity: 1000 Substance: Hazardous Substance

<b>H32</b> <b>NE</b> < 1/8 0.073 mi. 384 ft.	<b>625 SOUTH CAPITOL STREET LLC</b> <b>1625 SOUTH CAPITOL STREET SOUTHWEST</b> <b>WASHINGTON, DC</b>  <b>Site 4 of 8 in cluster H</b>	<b>DC LUST</b>	<b>S113402155</b> <b>N/A</b>
--	---	----------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	LUST: Facility ID: -000000 Facility Type: Industrial former fuel termina Facility Status: Open Product: Heating Oil, Gasoline, Diesel Notification Date: 3/28/2013 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 4/4/2013 Lust Number: 2013005
<b>Actual:</b> <b>19 ft.</b>	

<b>G33</b> <b>ENE</b> < 1/8 0.073 mi. 388 ft.	<b>PAK-AMERICAN CORPORATION</b> <b>1625 SOUTH CAPITOL STREET SW</b> <b>WASHINGTON, DC 20024</b>  <b>Site 4 of 4 in cluster G</b>	<b>RCRA-CESQG</b> <b>NJ MANIFEST</b>	<b>1000905832</b> <b>DC0000444547</b>
---	--	---	--

<b>Relative:</b> <b>Lower</b>	RCRA-CESQG: Date form received by agency: 01/31/2012 Facility name: PAK-AMERICAN CORPORATION Facility address: 1625 SOUTH CAPITOL STREET SW WASHINGTON, DC 20024 EPA ID: DC0000444547 Mailing address: L STREET SE WASHINGTON, DC 20024 Contact: IMRAN BUTT Contact address: L STREET SE WASHINGTON, DC 20024 Contact country: US Contact telephone: 202-488-4844 Contact email: Not reported EPA Region: 03 Land type: Private 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;
<b>Actual:</b> <b>12 ft.</b>	



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAK-AMERICAN CORPORATION (Continued)**

**1000905832**

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: PAK-AMERICAN CORPORATION  
Owner/operator address: SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20024  
  
Owner/operator country: US  
Owner/operator telephone: 202-488-4844  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/2001  
Owner/Op end date: Not reported

Owner/operator name: PAK-AMERICAN CORPORATION  
Owner/operator address: SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20024  
  
Owner/operator country: US  
Owner/operator telephone: (202) 488-4844  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/2001  
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: 03/07/2011  
Facility name: PAK-AMERICAN CORPORATION  
Classification: Conditionally Exempt Small Quantity Generator

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAK-AMERICAN CORPORATION (Continued)**

**1000905832**

Date form received by agency: 03/20/2000  
Facility name: PAK-AMERICAN CORPORATION  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 06/20/1994  
Facility name: PAK-AMERICAN CORPORATION  
Classification: Conditionally Exempt Small Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D018  
Waste name: BENZENE

Waste code: D027  
Waste name: 1,4-DICHLOROBENZENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

**Evaluation Action Summary:**

Evaluation date: 01/22/2013  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/31/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/07/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAK-AMERICAN CORPORATION (Continued)**

**1000905832**

Evaluation date: 04/12/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 10/27/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**NJ MANIFEST:**

Manifest Code: NJA5213680  
EPA ID: DC0000444547  
Date Shipped: 04/21/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 04/21/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 04/28/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06160525

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAK-AMERICAN CORPORATION (Continued)**

**1000905832**

Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5223389  
EPA ID: DC0000444547  
Date Shipped: 07/13/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 07/13/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 07/20/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 08240521  
Reference Manifest Number: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PAK-AMERICAN CORPORATION (Continued)**

**1000905832**

Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

**I34**  
**South**  
**< 1/8**  
**0.077 mi.**  
**409 ft.**

**PEPCO BUZZARD POINT GENERATING STATION**  
**1ST & V STREETS SW**  
**WASHINGTON, DC 20024**  
**Site 1 of 4 in cluster I**

**RCRA-CESQG** **1004681879**  
**DCR000500140**

**Relative:**  
**Lower**

RCRA-CESQG:

Date form received by agency: 02/26/2009  
Facility name: PEPCO BUZZARD POINT GENERATING STATION  
Facility address: 1ST & V STREETS SW  
WASHINGTON, DC 20024

**Actual:**  
**15 ft.**

EPA ID: DCR000500140  
Contact: SHIRLEY HARMON  
Contact address: NORTH 17TH STREET SUITE 1600  
ARLINGTON, VA 22209  
Contact country: US  
Contact telephone: (703) 253-1799  
Contact email: SHARMON@PEPCOENERGY.COM  
EPA Region: 03  
Land type: Private  
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: POTOMAC POWER RESOURCE, LLC  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 12/15/2000  
Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PEPCO BUZZARD POINT GENERATING STATION (Continued)**

**1004681879**

Owner/operator name: POTOMAC POWER RESOURCE, LLC  
Owner/operator address: Not reported  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 12/15/2000  
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: 02/26/2002  
Facility name: PEPCO BUZZARD POINT GENERATING STATION  
Site name: PPR BUZZARD POINT  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2001  
Facility name: PEPCO BUZZARD POINT GENERATING STATION  
Site name: PPR BUZZARD POINT GEN STATION  
Classification: Large Quantity Generator

**Hazardous Waste Summary:**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PEPCO BUZZARD POINT GENERATING STATION (Continued)**

**1004681879**

Waste code: D008  
Waste name: LEAD  
  
Waste code: D009  
Waste name: MERCURY  
  
Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 03/01/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State  
  
Evaluation date: 06/27/2005  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**I35  
South  
< 1/8  
0.077 mi.  
409 ft.**

**PEPCO BUZZARD PT GENERATING ST  
1ST V STS SW  
WASHINGTON, DC 20068**

**RCRA-CESQG 1000175304  
RAATS DCD000819508  
DC UST**

**Site 2 of 4 in cluster I**

**Relative:  
Lower**

RCRA-CESQG:

Date form received by agency: 02/26/2010  
Facility name: PEPCO BUZZARD POINT FACILITY  
Facility address: 1ST & V STREETS SW  
WASHINGTON, DC 200240000  
EPA ID: DCD000819508  
Mailing address: NINTH STREET NW  
WASHINGTON, DC 200680000  
Contact: GHIRMAY BEHRE  
Contact address: NINTH STREET NW  
WASHINGTON, DC 200680000  
Contact country: US  
Contact telephone: (202) 331-6197  
Contact email: GBERHE@PEPCO.COM  
EPA Region: 03  
Land type: Private  
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:  
15 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PEPCO BUZZARD PT GENERATING ST (Continued)**

**1000175304**

Owner/Operator Summary:

Owner/operator name: POTOMAC ELECTRIC POWER COMPANY  
Owner/operator address: 701 NINTH STREET NW  
WASHINGTON, DC 20068  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1900  
Owner/Op end date: Not reported

Owner/operator name: PEPSCO  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1900  
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: 05/09/2008  
Facility name: PEPSCO BUZZARD POINT FACILITY  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 03/01/2004  
Facility name: PEPSCO BUZZARD POINT FACILITY  
Site name: PEPSCO BUZZARD POINT GENERATING STATION  
Classification: Large Quantity Generator

Date form received by agency: 02/28/2002  
Facility name: PEPSCO BUZZARD POINT FACILITY  
Site name: PEPSCO BUZZARD POINT GENERATING STATION  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 02/15/2001  
Facility name: PEPSCO BUZZARD POINT FACILITY  
Classification: Large Quantity Generator



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PEPCO BUZZARD PT GENERATING ST (Continued)**

**1000175304**

Date form received by agency: 02/14/2001  
Facility name: PEPCO BUZZARD POINT FACILITY  
Classification: Large Quantity Generator

Date form received by agency: 02/22/2000  
Facility name: PEPCO BUZZARD POINT FACILITY  
Site name: PEPCO BUZZARD POINT GENERATING STATION  
Classification: Large Quantity Generator

Date form received by agency: 02/20/1998  
Facility name: PEPCO BUZZARD POINT FACILITY  
Site name: PEPCO BUZZARD POINT GENERATING STATION  
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980  
Facility name: PEPCO BUZZARD POINT FACILITY  
Classification: Not a generator, verified

Date form received by agency: 08/18/1980  
Facility name: PEPCO BUZZARD POINT FACILITY  
Classification: Small Quantity Generator

**Hazardous Waste Summary:**

Waste code: D006  
Waste name: CADMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D009  
Waste name: MERCURY

Violation Status: No violations found

**Evaluation Action Summary:**

Evaluation date: 03/01/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/04/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 06/27/2005  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 06/27/1991  
Evaluation: FOCUSED COMPLIANCE INSPECTION  
Area of violation: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PEPCO BUZZARD PT GENERATING ST (Continued)**

**1000175304**

Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 02/08/1984  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

UST:

Facility ID: 2000609  
Facility Description: False  
Owner: PEPCO ENERGY SERVICES INC

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Used Oil

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Used Oil

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Used Oil

Tank ID: 4  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Used Oil

Tank ID: 5  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 10000  
Substance: Heating Oil

Tank ID: 6  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 10000  
Substance: Heating Oil

Tank ID: 7  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Gasoline

Tank ID: 8  
**Tank Status: Permanently Out of Use**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

PEPCO BUZZARD PT GENERATING ST (Continued)

1000175304

Tank Capacity: 500  
Substance: Hazardous Substance

Tank ID: 9  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 4000  
Substance: Diesel

Tank ID: 10  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 4000  
Substance: Diesel

I36  
South  
< 1/8  
0.077 mi.  
409 ft.

BUZZARD POINT FACILITY  
180 S ST SW  
WASHINGTON, DC 20024

DC UST U003054341  
N/A

Site 3 of 4 in cluster I

Relative:  
Lower

UST:  
Facility ID: 2002337  
Facility Description: False  
Owner: POTOMAC ELECTRIC POWER COMPANY.

Actual:  
15 ft.

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 6000  
Substance: Gasoline

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 6000  
Substance: Gasoline

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 20000  
Substance: Gasoline

I37  
South  
< 1/8  
0.077 mi.  
409 ft.

PEPCO - BUZZARD POINT  
33 V STREET, SW  
WASHINGTON, DC

DC LUST S107520980  
N/A

Site 4 of 4 in cluster I

Relative:  
Lower

LUST:  
Facility ID: 2-000609  
Facility Type: Other  
Facility Status: Closed  
Product: Gasoline, Diesel, Heating Oil  
Notification Date: 8/29/1991  
Ward: 6

Actual:  
15 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**PEPCO - BUZZARD POINT (Continued)**

**S107520980**

Media Of Contamination: Soil  
Entry Date: 8/29/1991  
Lust Number: 91071

Facility ID: 2-000609  
Facility Type: Other  
Facility Status: Closed  
Product: Waste Oil  
Notification Date: 7/31/1992  
Ward: 6  
Media Of Contamination: Soil/GW  
Entry Date: 7/31/1992  
Lust Number: 92083

Facility ID: 2-000609  
Facility Type: Other  
Facility Status: NFA-DCRBCA  
Product: Gasoline, Diesel  
Notification Date: 1/29/1993  
Ward: 6  
Media Of Contamination: Soil/GW  
Entry Date: 1/29/1993  
Lust Number: 93051

Facility ID: 2-000609  
Facility Type: Other  
Facility Status: Closed  
Product: Waste Oil  
Notification Date: 10/13/1993  
Ward: 6  
Media Of Contamination: SOIL  
Entry Date: 10/13/1993  
Lust Number: 94005

**H38**  
**NE**  
**< 1/8**  
**0.094 mi.**  
**496 ft.**

**FEDDERLINE.**  
**1724 S CAPITOL ST SW**  
**WASHINGTON, DC 20003**  
**Site 5 of 8 in cluster H**

**DC UST** **U003763743**  
**N/A**

**Relative:**  
**Higher**

UST:  
Facility ID: 2000663  
Facility Description: False  
Owner: STEUART INVESTMENT CO.

**Actual:**  
**23 ft.**

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 4000  
Substance: Diesel

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 4000  
Substance: Gasoline

Tank ID: 3

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FEDDERLINE. (Continued)

U003763743

Tank ID: **Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Gasoline

Tank ID: 4  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Gasoline

Tank ID: 5  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 6  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 7  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 8  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 9  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 10  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 11  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 12  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

FEDDERLINE. (Continued)

U003763743

Tank ID: 13  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

Tank ID: 14  
Tank Status: Permanently Out of Use  
Tank Capacity: 4000  
Substance: Used Oil

H39  
NE  
< 1/8  
0.094 mi.  
496 ft.

1724 SOUTH CAPITOL ST SE  
WASHINGTON, DC

DC BROWNFIELDS S108276627  
N/A

Site 6 of 8 in cluster H

Relative:  
Higher

BROWNFIELD:

PB ID: PBF2004-0190  
Ownership: OPM  
Size (sf): 42,208  
Phase I: unknown  
Phase II: unknown  
Lot: 0004  
Square: 708  
Latitude/Longitude: 38.876746 / -77.008537  
Notes: Not reported

Actual:  
23 ft.

H40  
NE  
< 1/8  
0.094 mi.  
496 ft.

GULF OIL CORP (BULK PLANT)  
1724 S CAPITOL ST SE  
WASHINGTON, DC

EDR US Hist Auto Stat 1009001835  
N/A

Site 7 of 8 in cluster H

Relative:  
Higher

EDR Historical Auto Stations:

Name: GULF OIL CORP OFC  
Year: 1943  
Type: GASOLINE AND OIL SERVICE STATIONS  
  
Name: GULF OIL CORP (BULK PLANT)  
Year: 1948  
Type: GASOLINE AND OIL SERVICE STATIONS  
  
Name: GULF OIL CORP BULK PLANT  
Year: 1954  
Type: GASOLINE STATIONS

Actual:  
23 ft.

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**H41**  
**NE**  
**< 1/8**  
**0.094 mi.**  
**496 ft.**

**STEUART INVESTMENT CO.**  
**1724 S. CAPITOL ST, SE**  
**WASHINGTON, DC**

**DC LUST**    **S102834832**  
**N/A**

**Site 8 of 8 in cluster H**

**Relative:**  
**Higher**

LUST:  
Facility ID: 2-000663  
Facility Type: Other  
Facility Status: Closed  
Product: M  
Notification Date: 6/2/1997  
Ward: 6  
Media Of Contamination: Soil/GW  
Entry Date: 6/2/1997  
Lust Number: 97070

**Actual:**  
**23 ft.**

**J42**  
**NE**  
**< 1/8**  
**0.094 mi.**  
**497 ft.**

**1505 S CAPITOL ST SW**  
**WASHINGTON, DC 20003**

**EDR US Hist Auto Stat**    **1015239120**  
**N/A**

**Site 1 of 11 in cluster J**

**Relative:**  
**Higher**

EDR Historical Auto Stations:  
Name: AUTOMOTIVE CARE CTR INC  
Year: 2004  
Address: 1505 S CAPITOL ST SW  
  
Name: AUTOMOTIVE CARE CENTER INC  
Year: 2005  
Address: 1505 S CAPITOL ST SW  
  
Name: AUTOMOTIVE CARE CENTER INC  
Year: 2006  
Address: 1505 S CAPITOL ST SW  
  
Name: AUTOMOTIVE CARE CENTER INC  
Year: 2007  
Address: 1505 S CAPITOL ST SW  
  
Name: AUTOMOTIVE CARE CENTER INC  
Year: 2008  
Address: 1505 S CAPITOL ST SW  
  
Name: AUTOMOTIVE CARE CENTER INC  
Year: 2009  
Address: 1505 S CAPITOL ST SW  
  
Name: AUTOMOTIVE CARE CTR INC  
Year: 2010  
Address: 1505 S CAPITOL ST SW

**Actual:**  
**23 ft.**

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**43**  
**NNE**  
**< 1/8**  
**0.104 mi.**  
**547 ft.**

**UNKNOWN**  
**1513 HALF ST SW**  
**WASHINGTON, DC**

**DC HIST UST**    **S110337803**  
**N/A**

**Relative:**  
**Higher**

HIST UST:  
 Facility Id: 2003154\*001  
 Confirm Tank/Owner Address Found: yes  
 Confirm Tank/No Owner Found: Not reported  
 Owner Found/No Tank: Not reported  
 No Owner/No Tank: Not reported  
 Address Not Found: yes  
 Ltr Edc: Not reported  
 Tank Status: UNK  
 Tank Capacity: Not reported  
 Product: unk

**Actual:**  
**30 ft.**

**K44**  
**North**  
**< 1/8**  
**0.104 mi.**  
**551 ft.**

**1546 1ST ST SW**  
**WASHINGTON, DC 20024**  
**Site 1 of 2 in cluster K**

**EDR US Hist Cleaners**    **1014998268**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Cleaners:  
 Name: SHULMANS LAUNDRAMAT  
 Year: 2004  
 Address: 1546 1ST ST SW

**Actual:**  
**23 ft.**

**J45**  
**NE**  
**< 1/8**  
**0.108 mi.**  
**568 ft.**

**1620 SOUTH CAPITOL ST SE**  
**WASHINGTON, DC**  
**Site 2 of 11 in cluster J**

**DC LUST**    **S106983188**  
**DC BROWNFIELDS**    **N/A**

**Relative:**  
**Higher**

LUST:  
 Facility ID: 2-000066  
 Facility Type: Commercial  
 Facility Status: Open  
 Product: Gasoline, Diesel, Heating Oil, Varsol  
 Notification Date: 6/1/2005  
 Ward: 6  
 Media Of Contamination: Soil/GW  
 Entry Date: 6/1/2005  
 Lust Number: 2005039

**Actual:**  
**24 ft.**

BROWNFIELD:  
 PB ID: PBF2003-0035  
 Ownership: OPM  
 Size (sf): 83,333  
 Phase I: unknown  
 Phase II: unknown  
 Lot: 808  
 Square: 708  
 Latitude/Longitude: 38.90135059 / -77.03835899  
 Notes: ODMPED: Redevelopment Initiative  
 PB ID: PBF2004-0092



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

(Continued)

S106983188

Ownership: OPM  
Size (sf): 57,630  
Phase I: unknown  
Phase II: unknown  
Lot: 804  
Square: 708  
Latitude/Longitude: 38.91190842 / -77.00904504  
Notes: ODMPED: Redevelopment Initiative

PB ID: PBF2004-0103  
Ownership: Private  
Size (sf): 83,333+15,881  
Phase I: unknown  
Phase II: unknown  
Lot: 0808-0807-0804  
Square: 0708  
Latitude/Longitude: 38.91192729 / -77.00904472  
Notes: WS: Other

J46  
NE  
< 1/8  
0.108 mi.  
568 ft.

AMERADA HESS CORP  
1620 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003

RCRA NonGen / NLR 1000352847  
FINDS DCD045493814

Site 3 of 11 in cluster J

Relative:  
Higher

RCRA NonGen / NLR:

Actual:  
24 ft.

Date form received by agency: 09/19/2011  
Facility name: AMERADA HESS CORP  
Facility address: 1620 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
EPA ID: DCD045493814  
Mailing address: SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
Contact: TOM WHITTAKER  
Contact address: SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
Contact country: US  
Contact telephone: (201) 750-6000  
Contact email: Not reported  
EPA Region: 03  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: AMERADA HESS CORPORATION  
Owner/operator address: OWNERSTREET  
OWNERCITY, AK 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERADA HESS CORP (Continued)**

**1000352847**

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  
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: 08/18/1980  
Facility name: AMERADA HESS CORP  
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Violation Status: No violations found

FINDS:

Registry ID: 110002499760

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.

US National Pollutant Discharge Elimination System (NPDES) module of the Compliance Information System (ICIS) tracks surface water permits issued under the Clean Water Act. Under NPDES, all facilities that

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERADA HESS CORP (Continued)**

**1000352847**

discharge pollutants from any point source into waters of the United States are required to obtain a permit. The permit will likely contain limits on what can be discharged, impose monitoring and reporting requirements, and include other provisions to ensure that the discharge does not adversely affect water quality.

PCS (Permit Compliance System) is a computerized management information system that contains data on National Pollutant Discharge Elimination System (NPDES) permit holding facilities. PCS tracks the permit, compliance, and enforcement status of NPDES facilities.

J47  
NE  
< 1/8  
0.108 mi.  
568 ft.

**AMERADA HESS CORP.  
1620 S CAPITOL ST SE  
WASHINGTON, DC 20003**

**DC UST U002108146  
N/A**

**Site 4 of 11 in cluster J**

**Relative:  
Higher**

UST:

**Actual:  
24 ft.**

Facility ID: 2000066  
Facility Description: False  
Owner: DOUGLAS DEVELOPMENT

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 420000  
Substance: Heating Oil

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 483000  
Substance: Heating Oil

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 378000  
Substance: Heating Oil

Tank ID: 4  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 25200  
Substance: Heating Oil

Tank ID: 5  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 25200  
Substance: Heating Oil

Tank ID: 6  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 25200  
Substance: Heating Oil

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**AMERADA HESS CORP. (Continued)**

**U002108146**

Tank ID: 7  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 25200  
Substance: Heating Oil

Tank ID: 8  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 25200  
Substance: Heating Oil

Tank ID: 9  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 25200  
Substance: Unknown

Tank ID: 10  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 25200  
Substance: Heating Oil

Tank ID: 11  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Heating Oil

Tank ID: 12  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 100000  
Substance: Heating Oil

Tank ID: 13  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 100000  
Substance: Heating Oil

Tank ID: 14  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 100000  
Substance: Heating Oil

Tank ID: 15  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 315000  
Substance: Heating Oil

MAP FINDINGS

Map ID  
Direction  
Distance  
Elevation

Site

Database(s)

EDR ID Number  
EPA ID Number

**J48**      **ASSOCIATED LAUNDRIES**      **EDR US Hist Cleaners**      **1009133302**  
**NE**      **1507 S CAPITOL ST SE**           **N/A**  
**< 1/8**      **WASHINGTON, DC**  
**0.112 mi.**  
**594 ft.**      **Site 5 of 11 in cluster J**

**Relative:**      EDR Historical Cleaners:  
**Higher**      Name:      ASSOCIATED LAUNDRIES  
                  Year:      1948  
**Actual:**      Type:      LAUNDRIES  
**24 ft.**

**K49**      **LAUNDROMAT**      **DC LUST**      **U003885949**  
**North**      **1530 1ST ST SW**      **DC UST**      **N/A**  
**< 1/8**      **WASHINGTON, DC 20024**  
**0.117 mi.**  
**620 ft.**      **Site 2 of 2 in cluster K**

**Relative:**      LUST:  
**Higher**      Facility ID:      9-000590  
                  Facility Type:      Commercial  
**Actual:**      Facility Status:      Closed  
**21 ft.**      Product:      Heating Oil  
                  Notification Date:      11/1/2002  
                  Ward:      6  
                  Media Of Contamination:      Soil  
                  Entry Date:      11/8/2002  
                  Lust Number:      2003047

UST:  
     Facility ID:      9000590  
     Facility Description:      False  
     Owner:      RUBY W LEE LIVING TRUST  
  
     Tank ID:      1  
     **Tank Status:      Permanently Out of Use**  
     Tank Capacity:      2000  
     Substance:      Heating Oil

**J50**      **TRANSMISSION S INC**      **EDR US Hist Auto Stat**      **1009002308**  
**NNE**      **1509 SOUTH CAPITOL TER SW**           **N/A**  
**< 1/8**      **WASHINGTON, DC**  
**0.123 mi.**  
**650 ft.**      **Site 6 of 11 in cluster J**

**Relative:**      EDR Historical Auto Stations:  
**Higher**      Name:      TRANSMISSION S INC  
                  Year:      1964  
**Actual:**      Type:      AUTOMOBILE REPAIRING  
**25 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

J51  
NNE  
1/8-1/4  
0.126 mi.  
667 ft.

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE**  
**1505 SOUTH CAPITOL STREET SW**  
**WASHINGTON, DC 20024**

**RCRA-CESQG 1000858623**  
**NJ MANIFEST DCD983971391**

**Site 7 of 11 in cluster J**

**Relative:  
Higher**

RCRA-CESQG:

Date form received by agency: 08/03/2011

Facility name: SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE

Facility address: 1505 SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20024

EPA ID: DCD983971391

Mailing address: SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20024

Contact: INDERJIT SINGH

Contact address: SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20024

Contact country: US

Contact telephone: 202-554-6877

Contact email: Not reported

EPA Region: 03

Land type: Private

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: SINGH TRANSMISSION C/O AUTO CARE CENTRE

Owner/operator address: SOUTH CAPITOL ST SW  
WASHINGTON, DC 20024

Owner/operator country: US

Owner/operator telephone: 202-554-6877

Legal status: Private

Owner/Operator Type: Owner

Owner/Op start date: 01/01/2000

Owner/Op end date: Not reported

Owner/operator name: AUTOMOTIVE CARE CENTER INC

Owner/operator address: SOUTH CAPITOL ST SW  
WASHINGTON, DC 20024

Owner/operator country: US

Owner/operator telephone: 202-554-6877

Legal status: Private

Owner/Operator Type: Operator

Owner/Op start date: 01/01/2000

Owner/Op end date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

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: 09/02/1998  
Facility name: SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE  
Site name: AUTOMOTIVE CARE CENTER INC  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 01/10/1995  
Facility name: SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE  
Site name: AUTOMOTIVE CARE CENTER INC  
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D009  
Waste name: MERCURY

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41  
Area of violation: Generators - Records/Reporting  
Date violation determined: 04/04/1994  
Date achieved compliance: 06/09/1994  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 04/04/1994  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Evaluation Action Summary:

Evaluation date: 08/03/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 08/06/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 08/26/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 07/26/1996  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 04/04/1994  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 06/09/1994  
Evaluation lead agency: State

Evaluation date: 09/17/1993  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

NJ MANIFEST:

Manifest Code: NJA5095756  
EPA ID: DCD983971391  
Date Shipped: 01/02/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 01/02/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 01/14/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 03120421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5097058  
EPA ID: DCD983971391  
Date Shipped: 02/11/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 02/11/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 02/17/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 03220421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5094875  
EPA ID: DCD983971391  
Date Shipped: 04/22/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 04/22/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 04/26/2004  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 05110421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5039280  
EPA ID: DCD983971391  
Date Shipped: 06/03/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/03/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 06/08/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06230421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071664  
EPA ID: DCD983971391  
Date Shipped: 08/26/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/26/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Date TSDF Received Waste: 09/01/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 10010422  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071348  
EPA ID: DCD983971391  
Date Shipped: 10/01/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 10/01/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 10/07/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 11030425  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5069438  
EPA ID: DCD983971391  
Date Shipped: 11/09/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 11/09/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 11/11/2004  
Tranporter 1 Decal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 01180525  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5224982  
EPA ID: DCD983971391  
Date Shipped: 12/28/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 12/28/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 01/05/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 01310521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5069918  
EPA ID: DCD983971391  
Date Shipped: 02/04/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 02/04/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 02/10/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 04130521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5070815  
EPA ID: DCD983971391  
Date Shipped: 03/14/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 03/14/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 03/21/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 05110521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5225357  
EPA ID: DCD983971391  
Date Shipped: 06/06/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/06/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 06/14/2005  
Transporter 1 Decal: Not reported  
Transporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SINGH TRANSMISSION C/O AUTOMOTIVE CARE CENTRE (Continued)**

**1000858623**

Transporter-3 EPA Facility Name: Not reported  
 Transporter-4 EPA Facility Name: Not reported  
 Transporter-5 EPA Facility Name: Not reported  
 TSDF EPA Facility Name: Not reported  
 QTY Units: Not reported  
 Transporter SEQ ID: Not reported  
 Transporter-1 Date: Not reported  
 Waste SEQ ID: Not reported  
 Waste Type Code 2: Not reported  
 Waste Type Code 3: Not reported  
 Waste Type Code 4: Not reported  
 Waste Type Code 5: Not reported  
 Waste Type Code 6: Not reported  
 Date Accepted: Not reported  
 Manifest Discrepancy Type: Not reported  
 Data Entry Number: 07210521  
 Reference Manifest Number: Not reported  
 Was Load Rejected (Y/N): No  
 Reason Load Was Rejected: Not reported  
 Waste Code: Not reported  
 Manifest Year: Not reported  
 Quantity: Not reported  
 Unit: Not reported  
 Hand Code: Not reported

**L52**  
**NNE**  
**1/8-1/4**  
**0.127 mi.**  
**672 ft.**

**G S A CENTRAL SUPPORT FIELD OFFICE**  
**10 P STREET SW**  
**WASHINGTON, DC**

**RCRA NonGen / NLR** **1000101059**  
**FINDS** **DC8470090020**

**Site 1 of 10 in cluster L**

**Relative:**  
**Higher**

RCRA NonGen / NLR:

**Actual:**  
**26 ft.**

Date form received by agency: 03/09/2007  
 Facility name: GSA - CENTRAL SUPPORT FIELD OFFICE  
 Facility address: 10 P STREET SW  
 WASHINGTON, DC 20407  
 EPA ID: DC8470090020  
 Mailing address: P STREET SW  
 WASHINGTON, DC 20407  
 Contact: JOHN DOLLINS  
 Contact address: P STREET SW  
 WASHINGTON, DC 20407  
 Contact country: US  
 Contact telephone: (202) 755-9459  
 Contact email: Not reported  
 EPA Region: 03  
 Land type: Facility is not located on Indian land. Additional information is not known.  
 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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G S A CENTRAL SUPPORT FIELD OFFICE (Continued)**

**1000101059**

Owner/operator telephone: (215) 555-1212  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: Not reported  
Owner/Op end date: Not reported

Owner/operator name: US GOVERNMENT  
Owner/operator address: OWNERSTREET  
OWNERCITY, AK 99999

Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
Legal status: Federal  
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: 09/28/1987  
Facility name: GSA - CENTRAL SUPPORT FIELD OFFICE  
Site name: G S A CENTRAL SUPPORT FIELD OFFICE  
Classification: Small Quantity Generator

Hazardous Waste Summary:

Waste code: D000  
Waste name: Not Defined

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**G S A CENTRAL SUPPORT FIELD OFFICE (Continued)**

**1000101059**

OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Facility Has Received Notices of Violations:

Regulation violated: SR - 262.41(a)  
Area of violation: Generators - Records/Reporting  
Date violation determined: 03/06/1992  
Date achieved compliance: 03/25/1992  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/06/1992  
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: 03/06/1992  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 03/25/1992  
Evaluation lead agency: State  
  
Evaluation date: 01/12/1990  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

FINDS:

Registry ID: 110002498994

Environmental Interest/Information System

NCDB (National Compliance Data Base) supports implementation of the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Toxic Substances Control Act (TSCA). The system tracks inspections in regions and states with cooperative agreements, enforcement actions, and settlements.

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.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

L53  
NNE  
1/8-1/4  
0.127 mi.  
672 ft.

LANSBURGH BROTHERS  
10 P ST SW  
WASHINGTON, DC

DC HIST UST S110337387  
N/A

Site 2 of 10 in cluster L

Relative:  
Higher

HIST UST:

Facility Id: 0000253\*001  
Confirm Tank/Owner Address Found:yes  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: Not reported  
No Owner/No Tank: Not reported  
Address Not Found: Not reported  
Ltr Edc: yes  
Tank Status: POU  
Tank Capacity: 1000  
Product: Gas

Actual:  
26 ft.

Facility Id: 0000253\*002  
Confirm Tank/Owner Address Found:yes  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: Not reported  
No Owner/No Tank: Not reported  
Address Not Found: Not reported  
Ltr Edc: yes  
Tank Status: POU  
Tank Capacity: 1000  
Product: Gas

Facility Id: 0000253\*003  
Confirm Tank/Owner Address Found:yes  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: Not reported  
No Owner/No Tank: Not reported  
Address Not Found: Not reported  
Ltr Edc: yes  
Tank Status: POU  
Tank Capacity: 1000  
Product: Gas

J54  
NNE  
1/8-1/4  
0.127 mi.  
672 ft.

WASHINGTON REAL ESTATE INVESTMENT INSURANCE  
1501 SOUTH CAPITOL STREET, SW  
WASHINGTON, DC

DC LUST S105260082  
N/A

Site 8 of 11 in cluster J

Relative:  
Higher

LUST:

Facility ID: 2-000210  
Facility Type: Commercial  
Facility Status: Closed  
Product: Gasoline  
Notification Date: 11/2/2001  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 11/8/2001  
Lust Number: 2002014

Actual:  
25 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

J55  
NNE  
1/8-1/4  
0.127 mi.  
672 ft.

**FIVE SAC SELF-STORAGE**  
1501 S CAPITOL ST SW10 P ST SW  
WASHINGTON, DC 20003

DC UST U003294411  
N/A

Site 9 of 11 in cluster J

Relative:  
Higher

UST:

Facility ID: 2000210  
Facility Description: False  
Owner: FIVE SAC SELF-STORAGE CORPORATION ET AL

Actual:  
25 ft.

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 12000  
Substance: Heating Oil

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Gasoline

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Gasoline

Tank ID: 4  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Gasoline

J56  
NNE  
1/8-1/4  
0.130 mi.  
684 ft.

**SERCO MANAGEMENT SERVICES**  
1501 SOUTH CAPITOL ST SW  
WASHINGTON, DC 20024

RCRA NonGen / NLR 1000886515  
FINDS DC0000266130

Site 10 of 11 in cluster J

Relative:  
Higher

RCRA NonGen / NLR:

Date form received by agency: 08/06/2008  
Facility name: SERCO MANAGEMENT SERVICES  
Facility address: 1501 SOUTH CAPITOL ST SW  
WASHINGTON, DC 20024  
EPA ID: DC0000266130  
Mailing address: SOUTH CAPITOL ST SW  
WASHINGTON, DC 20024  
Contact: PAUL GAUTIER  
Contact address: SOUTH CAPITOL ST SW  
WASHINGTON, DC 20024  
Contact country: US  
Contact telephone: (202) 863-7770  
Contact email: Not reported  
EPA Region: 03  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
25 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERCO MANAGEMENT SERVICES (Continued)**

**1000886515**

Owner/Operator Summary:

Owner/operator name: CSN MANAGEMENT CORP  
Owner/operator address: 14000 CONNECTICUT AVE  
KENSINGTON, MD 20895  
Owner/operator country: Not reported  
Owner/operator telephone: (301) 984-9400  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

Owner/operator name: CSN MANAGEMENT CORP  
Owner/operator address: 14000 CONNECTICUT AVE  
KENSINGTON, MD 20895  
Owner/operator country: US  
Owner/operator telephone: (301) 984-9400  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1901  
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: 01/09/2002  
Facility name: SERCO MANAGEMENT SERVICES  
Classification: Not a generator, verified

Date form received by agency: 10/27/1999  
Facility name: SERCO MANAGEMENT SERVICES  
Classification: Small Quantity Generator

Facility Has Received Notices of Violations:

Regulation violated: SR - 4401.23-4401.29  
Area of violation: Generators - Records/Reporting  
Date violation determined: 02/25/1999  
Date achieved compliance: 03/24/1999  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/25/1999



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SERCO MANAGEMENT SERVICES (Continued)**

**1000886515**

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 - 4403  
Area of violation: Generators - Records/Reporting  
Date violation determined: 02/25/1999  
Date achieved compliance: 03/24/1999  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/25/1999  
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 - 4200.6  
Area of violation: Generators - General  
Date violation determined: 02/25/1999  
Date achieved compliance: 03/24/1999  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 02/25/1999  
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: 11/01/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 02/25/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/24/1999  
Evaluation lead agency: State

Evaluation date: 02/25/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 03/24/1999  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110002498477

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**SERCO MANAGEMENT SERVICES (Continued)**

**1000886515**

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.

**J57**  
**NE**  
 1/8-1/4  
 0.130 mi.  
 688 ft.

**ANACOSTIA READY MIX PLANT**  
**1522 S CAPITOL ST SE**  
**WASHINGTON, DC 20003**  
 Site 11 of 11 in cluster J

**DC UST**    **U003763748**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**25 ft.**

UST:  
 Facility ID:            2000764  
 Facility Description: False  
 Owner:                GENSTAR STONE PRODUCTS CO  
  
 Tank ID:                1  
**Tank Status:        Permanently Out of Use**  
 Tank Capacity:        15000  
 Substance:             Diesel

**L58**  
**NNE**  
 1/8-1/4  
 0.147 mi.  
 774 ft.

**HOWARD S ODORIESS CLEANERS (PLANT)**  
**1347 S CAPITOL ST SE**  
**WASHINGTON, DC**  
 Site 3 of 10 in cluster L

**EDR US Hist Cleaners**    **1009133672**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**25 ft.**

EDR Historical Cleaners:  
 Name:                 HOWARD S ODORIESS CLEANERS (PLANT)  
 Year:                  1936  
 Type:                  CLOTHES PRESSERS AND CLEANERS

**L59**  
**NNE**  
 1/8-1/4  
 0.151 mi.  
 795 ft.

**BRIDGEWAY MOTORS**  
**1343-45 S CAPITOL ST SE**  
**WASHINGTON, DC**  
 Site 4 of 10 in cluster L

**EDR US Hist Auto Stat**    **1009003409**  
**N/A**

**Relative:**  
**Higher**  
  
**Actual:**  
**26 ft.**

EDR Historical Auto Stations:  
 Name:                 BRIDGEWAY MOTORS  
 Year:                  1960  
 Type:                  AUTOMOBILE REPAIRING

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

L60  
NNE  
1/8-1/4  
0.151 mi.  
795 ft.

**HOWARD S ODORLESS CLEANERS**  
1343 S CAPITOL ST SE  
WASHINGTON, DC

EDR US Hist Cleaners 1009133102  
N/A

Site 5 of 10 in cluster L

Relative:  
Higher

EDR Historical Cleaners:

Name: HOWARD S ODORLESS CLEANERS  
Year: 1931  
Type: CLEANERS-GARMENTS CURTAINS AND DRAPERIES

Actual:  
26 ft.

Name: HOWARD S ODORLESS CLEANERS INC OFFICE  
Year: 1940  
Type: CLOTHES PRESSERS AND CLEANERS

L61  
NE  
1/8-1/4  
0.163 mi.  
859 ft.

**NATIONALS PARK**  
1500 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003

RCRA-CESQG 1014388462  
DCR000503359

Site 6 of 10 in cluster L

Relative:  
Higher

RCRA-CESQG:

Date form received by agency: 12/21/2010  
Facility name: NATIONALS PARK  
Facility address: 1500 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 200031507  
EPA ID: DCR000503359  
Mailing address: SOUTH CAPITOL STREET SE  
WASHINGTON, DC 200031507  
Contact: FRANK GAMBINO  
Contact address: SOUTH CAPITAL STREET SE  
WASHINGTON, DC 200031507  
Contact country: US  
Contact telephone: 202-640-7000  
Contact email: FGAMBINO@LERNER.COM  
EPA Region: 03  
Land type: Private  
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:  
25 ft.

Owner/Operator Summary:

Owner/operator name: WASHINGTON CONVENTION & SPORTS AUTHORITY  
Owner/operator address: MOUNT VERNON PLACE NW  
WASHINGTON, DC 20056  
Owner/operator country: US  
Owner/operator telephone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NATIONALS PARK (Continued)**

**1014388462**

Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 03/08/2008  
Owner/Op end date: Not reported  
  
Owner/operator name: WASHINGTON NATIONALS STADIUM LLC  
Owner/operator address: SOUTH CAPITAL STREET SE  
WASHINGTON, DC 20003  
  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 03/30/2008  
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

Hazardous Waste Summary:

Waste code: D009  
Waste name: MERCURY

Violation Status: No violations found

Evaluation Action Summary:

Evaluation date: 02/22/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

L62  
NE  
1/8-1/4  
0.163 mi.  
859 ft.

**BASEBALL STADIUM  
1500 SOUTH CAPITOL ST SE  
WASHINGTON, DC 20001**

**DC UST U004051757  
N/A**

**Site 7 of 10 in cluster L**

Relative:  
Higher

UST:  
Facility ID: 9000736  
Facility Description: False  
Owner: UNKNOWN

Actual:  
25 ft.

Tank ID: 1

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**BASEBALL STADIUM (Continued)**

**U004051757**

**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Not Listed

Tank ID: 2  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 1000  
Substance: Unknown

Tank ID: 3  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 1000  
Substance: Unknown

Tank ID: 4  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 500  
Substance: Other

Tank ID: 5  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 500  
Substance: Other

Tank ID: 6  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Diesel

Tank ID: 7  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Diesel

Tank ID: 8  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 1000  
Substance: Unknown

Tank ID: 9  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 1000  
Substance: Unknown

Tank ID: 10  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Unknown

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**BASEBALL STADIUM (Continued)**

**U004051757**

Tank ID: 11  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 550  
 Substance: Not Listed

Tank ID: 12  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 3000  
 Substance: Not Listed

**L63**  
**NE**  
**1/8-1/4**  
**0.163 mi.**  
**859 ft.**

**DC SPORT & ENTERTAINMENT COM**  
**1500 S. CAPITAL ST. S.E**  
**WASHINGTON, DC 20003**

**DC VCP S107994790**  
**N/A**

**Site 8 of 10 in cluster L**

**Relative:**  
**Higher**

VCP:  
 Facility ID: VCP2006-008  
 Square Number: 2, 703,704,705,7065-8,11,15,37-39,53,54,  
 Ward: 6  
 Zoning Type: Special-Stadium  
 Contamination Type: BTEX,TPH. PAH, Metals  
 Contamination Media: Soil/GW  
 Size: 19.70  
 Enrolled Date: 4/6/05  
 Cleanup Current Status: Active  
 Complete Date: 6/22/10

**Actual:**  
**25 ft.**

**M64**  
**South**  
**1/8-1/4**  
**0.167 mi.**  
**880 ft.**

**POTOMAC ELECT POWER CO/BUZZARD PT STATIO**  
**1ST & V ST/SW**  
**WASHINGTON, DC 20024**

**NY MANIFEST S111445484**  
**N/A**

**Site 1 of 2 in cluster M**

**Relative:**  
**Lower**

NY MANIFEST:  
 EPA ID: DCD000819508  
 Country: USA  
 Mailing Name: POTOMAC ELECT POWER CO/BUZZARD PT STATIO  
 Mailing Contact: R E STUDDS  
 Mailing Address: 1ST & V STREET SW  
 Mailing Address 2: Not reported  
 Mailing City: WASHINGTON  
 Mailing State: DC  
 Mailing Zip: 20024  
 Mailing Zip4: Not reported  
 Mailing Country: USA  
 Mailing Phone: 202-388-2414

**Actual:**  
**9 ft.**

Document ID: Not reported  
 Manifest Status: Not reported  
 Trans1 State ID: NJD080631369  
 Trans2 State ID: NJD071629976  
 Generator Ship Date: 2008-01-22  
 Trans1 Recv Date: 2008-01-22

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Trans2 Recv Date: 2008-01-29  
TSD Site Recv Date: 2008-02-11  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 400.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000152567VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: NYB9481347  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: Not reported  
Generator Ship Date: 12/03/2001  
Trans1 Recv Date: 12/03/2001  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/11/2001  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: 321146459  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00390  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2001

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Trans2 State ID: NJD071629976  
Generator Ship Date: 2008-01-22  
Trans1 Recv Date: 2008-01-22  
Trans2 Recv Date: 2008-01-29  
TSD Site Recv Date: 2008-02-11  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 400.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000152567VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NJD071629976  
Generator Ship Date: 2008-01-22  
Trans1 Recv Date: 2008-01-22  
Trans2 Recv Date: 2008-01-29  
TSD Site Recv Date: 2008-02-11  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 400.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000152567VES  
Import Ind: N



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

EPA ID: DCR000500140  
Country: USA  
Mailing Name: MIRANT COMPANY  
Mailing Contact: VERNON CABLE  
Mailing Address: 1 STREET & V STREET  
Mailing Address 2: Not reported  
Mailing City: WASHINGTON  
Mailing State: DC  
Mailing Zip: 20024  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: Not reported

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NJD071629976  
Generator Ship Date: 2008-01-22  
Trans1 Recv Date: 2008-01-22  
Trans2 Recv Date: 2008-01-29  
TSD Site Recv Date: 2008-02-11  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 400.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000152567VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132  
  
Document ID: NYB9481347  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: Not reported  
Generator Ship Date: 12/03/2001  
Trans1 Recv Date: 12/03/2001  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 12/11/2001  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: 321146459  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 00390  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2001

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NJD071629976  
Generator Ship Date: 2008-01-22  
Trans1 Recv Date: 2008-01-22  
Trans2 Recv Date: 2008-01-29  
TSD Site Recv Date: 2008-02-11  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 400.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000152567VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTOMAC ELECT POWER CO/BUZZARD PT STATIO (Continued)

S111445484

Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

Document ID: Not reported  
Manifest Status: Not reported  
Trans1 State ID: NJD080631369  
Trans2 State ID: NJD071629976  
Generator Ship Date: 2008-01-22  
Trans1 Recv Date: 2008-01-22  
Trans2 Recv Date: 2008-01-29  
TSD Site Recv Date: 2008-02-11  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DCR000500140  
Trans1 EPA ID: Not reported  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: Not reported  
Quantity: 400.0  
Units: P - Pounds  
Number of Containers: 1.0  
Container Type: DM - Metal drums, barrels  
Handling Method: T Chemical, physical, or biological treatment.  
Specific Gravity: 1.0  
Year: 2008  
Manifest Tracking Num: 000152567VES  
Import Ind: N  
Export Ind: N  
Discr Quantity Ind: N  
Discr Type Ind: N  
Discr Residue Ind: N  
Discr Partial Reject Ind: N  
Discr Full Reject Ind: N  
Manifest Ref Num: Not reported  
Alt Fac RCRA Id: Not reported  
Alt Fac Sign Date: Not reported  
Mgmt Method Type Code: H132

L65  
NNE  
1/8-1/4  
0.167 mi.  
881 ft.

CAMPBELL S GARAGE  
1327 S CAPITOL ST SE  
WASHINGTON, DC

EDR US Hist Auto Stat 1009003453  
N/A

Site 9 of 10 in cluster L

Relative:  
Higher

EDR Historical Auto Stations:  
Name: CAMPBELL S AUTO SERVICE  
Year: 1960  
Type: AUTOMOBILE REPAIRING

Actual:  
28 ft.

Name: CAMPBELL S GARAGE  
Year: 1964  
Type: AUTOMOBILE REPAIRING

MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Site

Database(s)

EDR ID Number  
 EPA ID Number

**M66** **DC BROWNFIELDS** **S108931552**  
**South** **100 V STREET, SW** **N/A**  
**1/8-1/4** **WASHINGTON, DC**  
**0.168 mi.**  
**885 ft.** **Site 2 of 2 in cluster M**

**Relative:** BROWNFIELD:  
**Lower** PB ID: PBF2003-0082  
 Ownership: Private  
**Actual:** Size (sf): Not reported  
**9 ft.** Phase I: unknown  
 Phase II: unknown  
 Lot: N  
 Square: Unknown  
 Latitude/Longitude: 38.86461519 / -77.01220805  
 Notes: WS: Other

**N67** **DC BROWNFIELDS** **S108931543**  
**SSW** **0200 V STREET, SW** **N/A**  
**1/8-1/4** **WASHINGTON, DC**  
**0.168 mi.**  
**886 ft.** **Site 1 of 4 in cluster N**

**Relative:** BROWNFIELD:  
**Lower** PB ID: PBF2003-0081  
 Ownership: Private  
**Actual:** Size (sf): 16000  
**9 ft.** Phase I: unknown  
 Phase II: unknown  
 Lot: 0001  
 Square: 0612  
 Latitude/Longitude: 38.86462529 / -77.01320834  
 Notes: WS: Other

**N68** **DC LUST** **S104918563**  
**SSW** **NPS - JAMES CREEK MARINA** **N/A**  
**1/8-1/4** **200 V STREET, SW**  
**0.168 mi.** **WASHINGTON, DC**  
**886 ft.** **Site 2 of 4 in cluster N**

**Relative:** LUST:  
**Lower** Facility ID: 2-000028  
 Facility Type: Federal  
**Actual:** Facility Status: Closed  
**9 ft.** Product: Gasoline, Diesel  
 Notification Date: 9/17/1992  
 Ward: 6  
 Media Of Contamination: Soil/GW  
 Entry Date: 9/17/1992  
 Lust Number: 92093

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

<b>N69</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.168 mi.</b> <b>886 ft.</b>	<b>JAMES CREEK MARINA</b> <b>200 V ST SW</b> <b>WASHINGTON, DC 20024</b>  <b>Site 3 of 4 in cluster N</b>	<b>DC UST</b>	<b>U002108109</b> <b>N/A</b>
--	---	---------------	---------------------------------

<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>9 ft.</b>	<b>UST:</b> Facility ID: 2000028 Facility Description: False Owner: NATIONAL CAPITAL PARKS EAST  Tank ID: 1 <b>Tank Status: Permanently Out of Use</b> Tank Capacity: 2000 Substance: Gasoline  Tank ID: 2 <b>Tank Status: Currently in Use</b> Tank Capacity: 10000 Substance: Gasoline  Tank ID: 3 <b>Tank Status: Currently in Use</b> Tank Capacity: 10000 Substance: Diesel	
--	--	--

<b>N70</b> <b>SSW</b> <b>1/8-1/4</b> <b>0.169 mi.</b> <b>892 ft.</b>	<b>US COAST GUARD HSC-K</b> <b>2100 SECOND STREET SW</b> <b>WASHINGTON, DC 20593</b>  <b>Site 4 of 4 in cluster N</b>	<b>RCRA-SQG</b> <b>PA MANIFEST</b>	<b>1009216733</b> <b>DCR000500629</b>
--	---	---------------------------------------	--

<b>Relative:</b> <b>Lower</b>  <b>Actual:</b> <b>9 ft.</b>	<b>RCRA-SQG:</b> Date form received by agency: 01/26/2006 Facility name: US COAST GUARD HSC-K Facility address: 2100 SECOND STREET SW ROOM 732 WASHINGTON, DC 20593  EPA ID: DCR000500629 Mailing address: SECOND STREET SW ROOM 732 WASHINGTON, DC 20593  Contact: PATRICIA A GOLDEN Contact address: SECOND STREET SW ROOM 732 WASHINGTON, DC 20593  Contact country: US Contact telephone: 202-267-0540 Contact email: PGOLDEN@COMDT.USCG.MIL EPA Region: 03 Land type: Federal 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	
--	---	--

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US COAST GUARD HSC-K (Continued)**

**1009216733**

Owner/Operator Summary:

Owner/operator name: USCG HQ HEALTH SERVICES DIVISION  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 02/10/2004  
Owner/Op end date: Not reported

Owner/operator name: TRANSPPOINT BUILDING COMPANY  
Owner/operator address: Not reported  
Not reported  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 02/10/2004  
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

Hazardous Waste Summary:

Waste code: D008  
Waste name: LEAD  
  
Waste code: D011  
Waste name: SILVER

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - Records/Reporting  
Date violation determined: 07/24/2008  
Date achieved compliance: 03/26/2009  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US COAST GUARD HSC-K (Continued)**

**1009216733**

Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 01/11/2013  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 08/04/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 07/24/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 03/26/2009  
Evaluation lead agency: State

PA MANIFEST:

Year: 2006  
Manifest Number: PAH199091  
Manifest Type: T  
Generator EPA Id: DCR000500629  
Generator Date: 05/19/2006  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: 202-267-0540  
Page Number: 1  
Line Number: 1  
Waste Number: D011  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 5  
Unit: Gallons (liquids only)  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2006  
Manifest Number: PAH199091  
Manifest Type: T  
Generator EPA Id: DCR000500629  
Generator Date: 05/19/2006

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**US COAST GUARD HSC-K (Continued)**

**1009216733**

Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: 202-267-0540  
Page Number: 1  
Line Number: 3  
Waste Number: NONE  
Container Number: 2  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 10  
Unit: Gallons (liquids only)  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2006  
Manifest Number: PAH199091  
Manifest Type: T  
Generator EPA Id: DCR000500629  
Generator Date: 05/19/2006  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: 202-267-0540  
Page Number: 1  
Line Number: 2  
Waste Number: D008  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 3  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported



MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

---

<b>O71</b> <b>NE</b> <b>1/8-1/4</b> <b>0.173 mi.</b> <b>914 ft.</b>	<b>DC MATERIALS CO./ FLORIDA ROCKS</b> <b>25 POTOMAC AVE, SE</b> <b>WASHINGTON, DC</b>  <b>Site 1 of 2 in cluster O</b>	<b>DC LUST</b>	<b>U003294418</b> <b>N/A</b>
---	---	----------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	<b>LUST:</b>	
<b>Actual:</b> <b>9 ft.</b>	Facility ID:	2-000271
	Facility Type:	Other
	Facility Status:	Open
	Product:	Heating Oil, Diesel
	Notification Date:	8/23/1995
	Ward:	6
	Media Of Contamination:	Soil
	Entry Date:	8/23/1995
	Lust Number:	95078

---

<b>O72</b> <b>NE</b> <b>1/8-1/4</b> <b>0.173 mi.</b> <b>914 ft.</b>	<b>D.C. MATERIALS CO.</b> <b>25 POTOMAC AV SE</b> <b>WASHINGTON, DC 20003</b>  <b>Site 2 of 2 in cluster O</b>	<b>DC UST</b>	<b>U003763728</b> <b>N/A</b>
---	--	---------------	---------------------------------

<b>Relative:</b> <b>Lower</b>	<b>UST:</b>	
<b>Actual:</b> <b>9 ft.</b>	Facility ID:	2000271
	Facility Description:	False
	Owner:	DC MATERIALS CO.
	 Tank ID:	 1
	<b>Tank Status:</b>	<b>Permanently Out of Use</b>
	Tank Capacity:	12000
	Substance:	Diesel
	 Tank ID:	 2
	<b>Tank Status:</b>	<b>Permanently Out of Use</b>
	Tank Capacity:	5000
	Substance:	Diesel

---

<b>L73</b> <b>NNE</b> <b>1/8-1/4</b> <b>0.178 mi.</b> <b>940 ft.</b>	<b>1430 P STREET WAREHOUSE</b> <b>1430 SOUTH CAPITOL STREET SE</b> <b>WASHINGTON, DC 20003</b>  <b>Site 10 of 10 in cluster L</b>	<b>RCRA NonGen / NLR</b>	<b>1007879325</b> <b>DCR000500462</b>
--	---	--------------------------	--

<b>Relative:</b> <b>Higher</b>	<b>RCRA NonGen / NLR:</b>	
<b>Actual:</b> <b>29 ft.</b>	Date form received by agency:	03/04/2008
	Facility name:	1430 P STREET WAREHOUSE
	Facility address:	1430 SOUTH CAPITOL STREET SE WASHINGTON, DC 20003
	EPA ID:	DCR000500462
	Mailing address:	SOUTH CAPITOL STREET SE AOC - US CAPITOL BLDG WASHINGTON, DC 20515
	Contact:	EDDY E JOSEPH
	Contact address:	SOUTH CAPITAL STREET SE AOC - US CAPITOL BLDG WASHINGTON, DC 20515
	Contact country:	US

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1430 P STREET WAREHOUSE (Continued)**

**1007879325**

Contact telephone: 202-226-4791  
Contact email: EJOSEPH@AOC.GOV  
EPA Region: 03  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: ARCHITECT OF THE CAPITOL  
Owner/operator address: US CAPITOL BLDG  
WASHINGTON, DC 20515

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Operator  
Owner/Op start date: 10/19/1983  
Owner/Op end date: Not reported

Owner/operator name: GUEST SERVICES INC  
Owner/operator address: 3055 PROSPERITY AVENUE  
FAIRFAX, VA 22031

Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 10/19/1983  
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  
Used oil refiner: No  
Used oil fuel marketer to burner: No  
Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Universal Waste Summary:

Waste type: Batteries  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Waste type: Lamps  
Accumulated waste on-site: Yes  
Generated waste on-site: Not reported

Historical Generators:

Date form received by agency: 03/04/2008

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**1430 P STREET WAREHOUSE (Continued)**

**1007879325**

Facility name: 1430 P STREET WAREHOUSE  
Classification: Not a generator, verified  
  
Date form received by agency: 12/13/2004  
Facility name: 1430 P STREET WAREHOUSE  
Classification: Conditionally Exempt Small Quantity Generator  
  
Violation Status: No violations found

**P74  
NW  
1/8-1/4  
0.187 mi.  
986 ft.**

**UNKNOWN  
321 P ST SW  
WASHINGTON, DC  
Site 1 of 2 in cluster P**

**DC HIST UST S110338186  
N/A**

**Relative:  
Lower**

HIST UST:  
Facility Id: 2005155\*001  
Confirm Tank/Owner Address Found: Not reported  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: Not reported  
No Owner/No Tank: Not reported  
Address Not Found: yes  
Ltr Edc: Not reported  
Tank Status: UNK  
Tank Capacity: Not reported  
Product: unk

**Actual:  
13 ft.**

**75  
North  
1/8-1/4  
0.189 mi.  
996 ft.**

**DC PUBLIC SCHOOL SYSTEM  
50 O ST SW  
WASHINGTON, DC 20024**

**DC UST U002109496  
N/A**

**Relative:  
Higher**

UST:  
Facility ID: 2005107  
Facility Description: False  
Owner: OFF OF PUBLIC EDUCATION FACILITIES MODERNIZATION  
  
Tank ID: 1  
**Tank Status: Currently in Use**  
Tank Capacity: 15000  
Substance: Heating Oil

**Actual:  
21 ft.**

**Q76  
NNE  
1/8-1/4  
0.192 mi.  
1013 ft.**

**UNKNOWN  
1400 S CAPITOL ST SE  
WASHINGTON, DC  
Site 1 of 8 in cluster Q**

**DC HIST UST S110337749  
N/A**

**Relative:  
Higher**

HIST UST:  
Facility Id: 2004776\*001  
Confirm Tank/Owner Address Found: Not reported  
Confirm Tank/No Owner Found: yes  
Owner Found/No Tank: Not reported  
No Owner/No Tank: Not reported  
Address Not Found: Not reported

**Actual:  
29 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**UNKNOWN (Continued)**

**S110337749**

Ltr Edc: Not reported  
Tank Status: UNK  
Tank Capacity: Not reported  
Product: unk

**R77  
NE  
1/8-1/4  
0.193 mi.  
1021 ft.**

**FORMER DISTRICT PAVING - ASPHALT  
60 P ST SE  
WASHINGTON, DC 20003**

**DC UST U002108225  
N/A**

**Site 1 of 3 in cluster R**

**Relative:  
Lower**

UST:

Facility ID: 2000310  
Facility Description: False  
Owner: ROUBIN ASSOCIATES

**Actual:  
17 ft.**

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Gasoline

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Diesel

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 10000  
Substance: Heating Oil

Tank ID: 4  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 10000  
Substance: Heating Oil

Tank ID: 5  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 15000  
Substance: Other

Tank ID: 6  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Gasoline

Tank ID: 7  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Gasoline

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER DISTRICT PAVING - ASPHALT (Continued)**

**U002108225**

Tank ID: 8  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 7000  
Substance: Heating Oil

Tank ID: 9  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Gasoline

Tank ID: 10  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Other

Tank ID: 11  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Used Oil

Tank ID: 12  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Heating Oil

Tank ID: 13  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 10000  
Substance: Other

Tank ID: 14  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 5000  
Substance: Other

Tank ID: 15  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 5000  
Substance: Heating Oil

Tank ID: 16  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 5000  
Substance: Heating Oil

Tank ID: 17  
**Tank Status:** Permanently Out of Use  
Tank Capacity: 5000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORMER DISTRICT PAVING - ASPHALT (Continued)**

**U002108225**

Substance: Used Oil

Tank ID: 18  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 5000  
Substance: Heating Oil

Tank ID: 19  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 5000  
Substance: Heating Oil

**R78**  
**NE**  
**1/8-1/4**  
**0.193 mi.**  
**1021 ft.**

**DISTRICT PAVING CORPORATION**  
**60 P STREET SE**  
**WASHINGTON, DC 20003**

**RCRA NonGen / NLR** **1000419754**  
**FINDS** **DCD116197286**

**Site 2 of 3 in cluster R**

**Relative:**  
**Lower**

RCRA NonGen / NLR:

Date form received by agency: 02/01/1996

Facility name: DISTRICT PAVING CORPORATION

Facility address: 60 P STREET SE  
WASHINGTON, DC 20003

EPA ID: DCD116197286

Mailing address: P STREET SE  
WASHINGTON, DC 20003

Contact: ROY BURKE  
Contact address: P STREET SE  
WASHINGTON, DC 20003

Contact country: US  
Contact telephone: 202-529-5100

Contact email: Not reported

EPA Region: 03

Land type: Private

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: ROUBIN ANGEL  
Owner/operator address: LEE HIGHWAY SUITE 700  
FAIRFAX, VA 22030

Owner/operator country: US  
Owner/operator telephone: 703-573-9350

Legal status: Private

Owner/Operator Type: Owner

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DISTRICT PAVING CORPORATION (Continued)**

**1000419754**

Owner/Op start date: 02/01/1996  
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  
Used 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: 08/26/1986  
Facility name: DISTRICT PAVING CORPORATION  
Site name: ROUBIN JANCIRO INC  
Classification: Not a generator, verified

Hazardous Waste Summary:

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Facility Has Received Notices of Violations:

Regulation violated: Not reported  
Area of violation: Generators - General  
Date violation determined: 05/25/1989  
Date achieved compliance: 03/02/1990  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 06/02/1989  
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: Not reported  
Area of violation: Generators - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DISTRICT PAVING CORPORATION (Continued)**

**1000419754**

Date violation determined: 05/25/1989  
Date achieved compliance: 03/02/1990  
Violation lead agency: State  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Evaluation Action Summary:

Evaluation date: 05/25/1989  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 03/02/1990  
Evaluation lead agency: State

Evaluation date: 07/30/1987  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

FINDS:

Registry ID: 110006183557

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.

R79  
NE  
1/8-1/4  
0.193 mi.  
1021 ft.

**VIRGINIA PAVING  
60 P STREET, SE  
WASHINGTON, DC**  
Site 3 of 3 in cluster R

**DC LUST S103534574  
N/A**

Relative:  
Lower

LUST:

Facility ID: 2-000310  
Facility Type: Other  
Facility Status: NFA-DCRBCA  
Product: Diesel  
Notification Date: 7/28/1998  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 7/28/1998  
Lust Number: 98086

Actual:  
17 ft.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

80  
NW  
1/8-1/4  
0.194 mi.  
1024 ft.

**SMITH THEO N**  
**234 3RD AVE SW**  
**WASHINGTON, DC**

**EDR US Hist Cleaners**    **1009133769**  
**N/A**

**Relative:**  
**Lower**

EDR Historical Cleaners:

Name: SMITH THEO N  
Year: 1926

**Actual:**  
**12 ft.**

Type: DYERS AND CLEANERS

Name: SMITH THEO N  
Year: 1931  
Type: CLOTHES PRESSERS AND CLEANERS

P81  
NW  
1/8-1/4  
0.202 mi.  
1067 ft.

**FORT MCNAIR**  
**350 P STREET SW**  
**WASHINGTON, DC 20319**

**CERCLIS**    **1000481199**  
**RCRA-SQG**    **DC8210021004**  
**PA MANIFEST**  
**NY MANIFEST**

Site 2 of 2 in cluster P

**Relative:**  
**Lower**

CERCLIS:

Site ID: 0300030  
EPA ID: DC8210021004  
Facility County: DISTRICT OF COLUMBIA  
Short Name: FORT MCNAIR  
Congressional District: 01  
IFMS ID: Not reported  
SMSA Number: 8840  
USGC Hydro Unit: 02070010  
Federal Facility: Federal Facility  
DMNSN Number: 0.00000  
Site Orphan Flag: N  
RCRA ID: Not reported  
USGS Quadrangle: Not reported  
Site Init By Prog: Not reported  
NFRAP Flag: Not reported  
Parent ID: Not reported  
RST Code: Not reported  
EPA Region: 03  
Classification: Not reported  
Site Settings Code: Not reported  
NPL Status: Not on the NPL  
DMNSN Unit Code: Not reported  
RBRAC Code: Not reported  
RResp Fed Agency Code: USAR  
Non NPL Status: Other Cleanup Activity: State-Lead Cleanup  
Non NPL Status Date: 02/07/92  
Site Fips Code: 11001  
CC Concurrence Date: / /  
CC Concurrence FY: Not reported  
Alias EPA ID: Not reported  
Site FUDS Flag: Not reported

**Actual:**  
**13 ft.**

CERCLIS Site Alias Name(s):

Alias ID: 0  
Alias Name: USA FT MCNAIR  
Alias Address: 350 P STREET SW  
WASHINGTON, DC 20319

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Alias ID: 3270049  
Alias Name: FORT MCNAIR  
Alias Address: 350 P STREET, S.W.  
WASHINGTON, DC 20407  
Alias Comments: Not reported  
Site Description: Not reported

CERCLIS Assessment History:

Action Code: 001  
Action: DISCOVERY  
Date Started: / /  
Date Completed: 09/01/80  
Priority Level: Not reported  
Operable Unit: SITEWIDE  
Primary Responsibility: EPA Fund-Financed  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

Action Code: 001  
Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 02/07/92  
Priority Level: Low priority for further assessment  
Operable Unit: SITEWIDE  
Primary Responsibility: Federal Facilities  
Planning Status: Not reported  
Urgency Indicator: Not reported  
Action Anomaly: Not reported

RCRA-SQG:

Date form received by agency: 02/16/2010  
Facility name: FORT LESLIE J MCNAIR  
Facility address: 4TH & P STREETS SW  
WASHINGTON, DC 20319  
EPA ID: DC8210021004  
Mailing address: STEWART ROAD BLDG 313 RM 4  
FORT MYER  
ARLINGTON, VA 222111199  
Contact: MARK LUCKERS  
Contact address: STEWART ROAD BLDG 313 RM 4 FORT MYER  
ARLINGTON, VA 222111199  
Contact country: US  
Contact telephone: 703-696-2012  
Contact email: MARK.LUCKERS@US.ARMY.MIL  
EPA Region: 03  
Land type: Federal  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Owner/Operator Summary:

Owner/operator name: US ARMY  
Owner/operator address: Not reported  
DC  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 01/01/1990  
Owner/Op end date: Not reported

Owner/operator name: US DEPT OF DEFENSE  
Owner/operator address: Not reported  
DC  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/1990  
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: 02/15/2002  
Facility name: FORT LESLIE J MCNAIR  
Site name: FORT LESLIE J MCNAIR MDW US ARMY  
Classification: Small Quantity Generator

Date form received by agency: 02/29/2000  
Facility name: FORT LESLIE J MCNAIR  
Site name: FORT LESLIE J MCNAIR MDW US ARMY  
Classification: Small Quantity Generator

Date form received by agency: 04/09/1985  
Facility name: FORT LESLIE J MCNAIR  
Site name: FORT LESLIE J MCNAIR MDW US ARMY  
Classification: Small Quantity Generator

Hazardous Waste Summary:

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D009  
Waste name: MERCURY

Facility Has Received Notices of Violations:

Regulation violated: SR - 4203.5  
Area of violation: Generators - Records/Reporting  
Date violation determined: 03/01/1998  
Date achieved compliance: 04/22/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/01/1998  
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

Evaluation Action Summary:

Evaluation date: 11/16/2012  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 01/28/2011  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/27/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 03/01/1998

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 04/22/1998  
Evaluation lead agency: State

PA MANIFEST:

Year: 2011  
Manifest Number: 006955787JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: XXXX  
Container Number: 1  
Container Type: Fiber or plastic boxes, cartons, cases  
Waste Quantity: 400  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955727JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 07/06/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D018  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 90  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955787JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 4  
Waste Number: NONE  
Container Number: 1  
Container Type: Fiber or plastic boxes, cartons, cases  
Waste Quantity: 40  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955727JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 07/06/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 90  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Manifest Number: 006955727JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 07/06/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: D001  
Container Number: 1  
Container Type: Fiber or plastic boxes, cartons, cases  
Waste Quantity: 610  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955788JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: NONE  
Container Number: 3  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 800  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955788JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 2  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 550  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955727JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 07/06/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 4  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 12  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006503257JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 02/25/2011  
Mailing Address: Not reported  
Mailing City,St,Zip: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D008  
Container Number: 1  
Container Type: Metal drums, barrels, kegs  
Waste Quantity: 200  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955787JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 1  
Container Type: Fiber or plastic boxes, cartons, cases  
Waste Quantity: 480  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955788JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 4  
Waste Number: NONE  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 3  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955788JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: D002  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 50  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955787JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 08/03/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: NONE  
Container Number: 1  
Container Type: Wooden boxes, cartons, cases  
Waste Quantity: 310  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2011  
Manifest Number: 006955727JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 07/06/2011  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 40  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2008  
Manifest Number: 000839960JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 02/05/2008  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Page Number: 1  
Line Number: 4  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 5  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2008  
Manifest Number: 000839960JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 02/05/2008  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 1  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 120  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2008  
Manifest Number: 000839960JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 02/05/2008  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 2  
Waste Number: D002

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 5  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2008  
Manifest Number: 000839960JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 02/05/2008  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: 202-475-1540  
TSD Epa Id: PAD067098822  
TSD Date: Not reported  
TSD Facility Name: CYCLE CHEM INC  
TSD Facility Address: 550 INDUSTRIAL DRIVE  
TSD Facility City: LEWISBERRY  
TSD Facility State: PA  
Facility Telephone: Not reported  
Page Number: 1  
Line Number: 3  
Waste Number: D001  
Container Number: 1  
Container Type: Fiberboard or plastic drums, barrels, kegs  
Waste Quantity: 150  
Unit: Pounds  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

Year: 2006  
Manifest Number: 000553685JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 11/20/2006  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD Epa Id: PAD010154045  
TSD Date: Not reported  
TSD Facility Name: ENVIRITE OF PENNSYLVANIA INC  
TSD Facility Address: 730 VOGELSONG ROAD  
TSD Facility City: YORK  
TSD Facility State: PA  
Facility Telephone: 202-475-1540  
Page Number: 1  
Line Number: 1  
Waste Number: D008  
Container Number: 1  
Container Type: Dump truck  
Waste Quantity: 22

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Unit: Tons (2000 Pounds)  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported  
  
Year: 2006  
Manifest Number: 000553677JJK  
Manifest Type: T  
Generator EPA Id: DC8210021004  
Generator Date: 11/14/2006  
Mailing Address: Not reported  
Mailing City, St, Zip: Not reported  
Contact Name: Not reported  
Contact Phone: Not reported  
TSD Epa Id: PAD010154045  
TSD Date: Not reported  
TSD Facility Name: ENVIRITE OF PENNSYLVANIA INC  
TSD Facility Address: 730 VOGELSONG ROAD  
TSD Facility City: YORK  
TSD Facility State: PA  
Facility Telephone: 202-475-1540  
Page Number: 1  
Line Number: 1  
Waste Number: D008  
Container Number: 1  
Container Type: Dump truck  
Waste Quantity: 22  
Unit: Tons (2000 Pounds)  
Handling Code: Not reported  
TSP EPA Id: Not reported  
Date TSP Sig: Not reported

[Click this hyperlink](#) while viewing on your computer to access  
17 additional PA MANIFEST: record(s) in the EDR Site Report.

**NY MANIFEST:**

EPA ID: DC8210021004  
Country: USA  
Mailing Name: UNITED STATES MILITARY-MILITARY DISTRICT  
Mailing Contact: UNITED STATES MILITARY-MILITARY DISTRICT  
Mailing Address: OF WA-DRMO-BLDG 2517-STOP 566  
Mailing Address 2: Not reported  
Mailing City: FORT BELVOIR  
Mailing State: VA  
Mailing Zip: 22060  
Mailing Zip4: Not reported  
Mailing Country: USA  
Mailing Phone: 703-664-6331

Document ID: NYA4110502  
Manifest Status: Completed copy  
Trans1 State ID: P101628(I)  
Trans2 State ID: TM21813PA  
Generator Ship Date: 870612  
Trans1 Recv Date: 870612  
Trans2 Recv Date: 870612

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

TSD Site Recv Date: 870615  
Part A Recv Date: 870625  
Part B Recv Date: 870623  
Generator EPA ID: DC8210021004  
Trans1 EPA ID: ILD099202681  
Trans2 EPA ID: PAD064035819  
TSD ID: NYD049836679  
Waste Code: F002 - HALO SOLV + STILL BOTTOMS FM REC OF SOLV  
Quantity: 00015  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 87

Document ID: NYB1577304  
Manifest Status: Completed copy  
Trans1 State ID: 11277PNY  
Trans2 State ID: Not reported  
Generator Ship Date: 920527  
Trans1 Recv Date: 920527  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 920529  
Part A Recv Date: Not reported  
Part B Recv Date: 920615  
Generator EPA ID: DC8210021004  
Trans1 EPA ID: NYD980769947  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: B007 - OTHER MISCELLANEOUS PCB WASTES  
Quantity: 01234  
Units: K - Kilograms (2.2 pounds)  
Number of Containers: 009  
Container Type: DM - Metal drums, barrels  
Handling Method: L Landfill.  
Specific Gravity: 100  
Year: 92

Document ID: NYB9705366  
Manifest Status: Not reported  
Trans1 State ID: PAD146714878  
Trans2 State ID: Not reported  
Generator Ship Date: 09/30/2002  
Trans1 Recv Date: 09/30/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/01/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DC8210021004  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: XW49139PA  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 06200

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**FORT MCNAIR (Continued)**

**1000481199**

Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2002

Document ID: NYB9705375  
Manifest Status: Not reported  
Trans1 State ID: PAD146714878  
Trans2 State ID: Not reported  
Generator Ship Date: 09/30/2002  
Trans1 Recv Date: 09/30/2002  
Trans2 Recv Date: Not reported  
TSD Site Recv Date: 10/01/2002  
Part A Recv Date: Not reported  
Part B Recv Date: Not reported  
Generator EPA ID: DC8210021004  
Trans1 EPA ID: NYD049836679  
Trans2 EPA ID: Not reported  
TSD ID: XT40231PA  
Waste Code: D008 - LEAD 5.0 MG/L TCLP  
Quantity: 05980  
Units: P - Pounds  
Number of Containers: 001  
Container Type: CM - Metal boxes, cases, roll-offs  
Handling Method: L Landfill.  
Specific Gravity: 01.00  
Year: 2002

**Q82**  
**NNE**  
**1/8-1/4**  
**0.221 mi.**  
**1167 ft.**

**1345 S CAPITOL ST SW**  
**WASHINGTON, DC 20003**  
**Site 2 of 8 in cluster Q**

**EDR US Hist Auto Stat 1015211638**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:  
Name: CALL CARL EXXON SERVICE CNTR  
Year: 2004

**Actual:**  
**29 ft.**

Address: 1345 S CAPITOL ST SW

**83**  
**NNE**  
**1/8-1/4**  
**0.228 mi.**  
**1203 ft.**

**SYPHAX SCHOOL**  
**1360 HALF ST SW**  
**WASHINGTON, DC 20024**

**DC UST U003865158**  
**N/A**

**Relative:**  
**Higher**

UST:  
Facility ID: 9000534  
Facility Description: False  
Owner: MANA INC.

**Actual:**  
**28 ft.**

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 20000



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**SYPHAX SCHOOL (Continued)**

**U003865158**

Substance: Heating Oil

**Q84**  
**NNE**  
**1/8-1/4**  
**0.235 mi.**  
**1242 ft.**

**BOB SEGALL**  
**1354 SOUTH CAPITOL ST SE**  
**WASHINGTON, DC 20003**

**DC UST** **U003054111**  
**N/A**

**Site 3 of 8 in cluster Q**

**Relative:**  
**Higher**

UST:  
Facility ID: 2000081  
Facility Description: False  
Owner: BOB SEGALL

**Actual:**  
**28 ft.**

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Gasoline

**Q85**  
**NNE**  
**1/8-1/4**  
**0.235 mi.**  
**1242 ft.**

**CUSTOM TOWING & AUTO REPAIR**  
**1345 SOUTH CAPITOL STREET SW**  
**WASHINGTON, DC**

**RCRA NonGen / NLR** **1001487033**  
**FINDS** **DCR000001818**

**Site 4 of 8 in cluster Q**

**Relative:**  
**Higher**

RCRA NonGen / NLR:  
Date form received by agency: 05/17/2002  
Facility name: CUSTOM TOWING & AUTO REPAIR  
Facility address: 1345 SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20003  
EPA ID: DCR000001818  
Mailing address: SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20003  
Contact: VERNON COOPER  
Contact address: SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20003  
Contact country: US  
Contact telephone: (202) 488-4822  
Contact email: Not reported  
EPA Region: 03  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

**Actual:**  
**28 ft.**

**Owner/Operator Summary:**

Owner/operator name: MOORE STEPHANIE D  
Owner/operator address: 1345 SOUTH CAPITOL STREET SW  
WASHINGTON, DC 20003  
Owner/operator country: Not reported  
Owner/operator telephone: (202) 488-4822  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported  
  
Owner/operator name: MOORE STEPHANIE D  
Owner/operator address: 1345 SOUTH CAPITOL STREET SW

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CUSTOM TOWING & AUTO REPAIR (Continued)**

**1001487033**

WASHINGTON, DC 20003

Owner/operator country: Not reported  
Owner/operator telephone: (202) 488-4822  
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: 02/09/1999  
Facility name: CUSTOM TOWING & AUTO REPAIR  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D018  
Waste name: BENZENE

Waste code: D027  
Waste name: 1,4-DICHLOROBENZENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**CUSTOM TOWING & AUTO REPAIR (Continued)**

**1001487033**

Waste name: TRICHLOROETHYLENE

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D006  
Waste name: CADMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D018  
Waste name: BENZENE

Waste code: D027  
Waste name: 1,4-DICHLOROBENZENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Violation Status: No violations found

**Evaluation Action Summary:**

Evaluation date: 05/17/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 07/10/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/20/1999  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

**FINDS:**

Registry ID: 110002505094

**Environmental Interest/Information System**

RCRAInfo is a national information system that supports the Resource Conservation and Recovery Act (RCRA) program through the tracking of

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**CUSTOM TOWING & AUTO REPAIR (Continued)**

**1001487033**

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.

**Q86**  
**NNE**  
 1/8-1/4  
 0.235 mi.  
 1242 ft.

**POTOMAC CAB COMPANY**  
**1345 S CAPITOL ST SW**  
**WASHINGTON, DC 20003**

**DC LUST** **U002108095**  
**DC UST** **N/A**

**Site 5 of 8 in cluster Q**

**Relative:**  
**Higher**

**LUST:**  
 Facility ID: 2-000014  
 Facility Type: Commercial  
 Facility Status: Open  
 Product: Diesel, Heating Oil  
 Notification Date: 5/17/2007  
 Ward: 6  
 Media Of Contamination: Soil/GW  
 Entry Date: 5/16/2007  
 Lust Number: 2007021

**Actual:**  
**28 ft.**

Facility ID: 2-000014  
 Facility Type: Other  
 Facility Status: Closed  
 Product: Gasoline  
 Notification Date: 7/20/1989  
 Ward: 6  
 Media Of Contamination: Soil  
 Entry Date: 7/20/1989  
 Lust Number: 89048

**UST:**  
 Facility ID: 2000014  
 Facility Description: False  
 Owner: POTOMAC CAB CO

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: Not reported  
 Substance: Other

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 550  
 Substance: Gasoline

Tank ID: 3  
**Tank Status: Permanently Out of Use**  
 Tank Capacity: 550  
 Substance: Gasoline

Tank ID: 4

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

POTOMAC CAB COMPANY (Continued)

U002108095

Tank Status: Permanently Out of Use  
Tank Capacity: 2000  
Substance: Diesel

Tank ID: 5  
Tank Status: Permanently Out of Use  
Tank Capacity: 1000  
Substance: Used Oil

87  
NW  
1/8-1/4  
0.238 mi.  
1255 ft.

CHANNEL SQUARE APARTMENTS  
325 P ST SW  
WASHINGTON, DC 20024

DC UST U003294408  
N/A

Relative:  
Lower

UST:  
Facility ID: 2000207  
Facility Description: False  
Owner: SOUTHWEST HOUSING RENEWAL CO

Actual:  
13 ft.

Tank ID: 1  
Tank Status: Permanently Out of Use  
Tank Capacity: 15000  
Substance: Heating Oil

Tank ID: 2  
Tank Status: Currently In Use  
Tank Capacity: 10000  
Substance: Heating Oil

Q88  
NNE  
1/8-1/4  
0.239 mi.  
1260 ft.

JONES TRANSPORTATION CO  
1342 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003

RCRA NonGen / NLR 1001217868  
FINDS DCR000000539

Site 6 of 8 in cluster Q

Relative:  
Higher

RCRA NonGen / NLR:  
Date form received by agency: 02/02/2004  
Facility name: JONES TRANSPORTATION CO  
Facility address: 1342 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
EPA ID: DCR000000539  
Mailing address: SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
Contact: JAMES JONES  
Contact address: SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
Contact country: US  
Contact telephone: (202) 554-2301  
Contact email: Not reported  
EPA Region: 03  
Land type: Private  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
28 ft.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JONES TRANSPORTATION CO (Continued)**

**1001217868**

Owner/Operator Summary:

Owner/operator name: JONES JAMES  
Owner/operator address: 1342 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
Owner/operator country: Not reported  
Owner/operator telephone: (202) 554-2301  
Legal status: Private  
Owner/Operator Type: Owner  
Owner/Op start date: 01/01/0001  
Owner/Op end date: Not reported

Owner/operator name: JONES JAMES  
Owner/operator address: 1342 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20003  
Owner/operator country: Not reported  
Owner/operator telephone: (202) 554-2301  
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: 04/04/2000  
Facility name: JONES TRANSPORTATION CO  
Classification: Conditionally Exempt Small Quantity Generator

Date form received by agency: 11/27/1995  
Facility name: JONES TRANSPORTATION CO  
Classification: Conditionally Exempt Small Quantity Generator

Hazardous Waste Summary:

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JONES TRANSPORTATION CO (Continued)**

**1001217868**

Facility Has Received Notices of Violations:

Regulation violated: SR - 4202.7(e), 4403  
Area of violation: Generators - Pre-transport  
Date violation determined: 05/08/1998  
Date achieved compliance: 06/12/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/08/1998  
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 - 4203.1  
Area of violation: Generators - Records/Reporting  
Date violation determined: 05/08/1998  
Date achieved compliance: 06/12/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/08/1998  
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 - 4203.9  
Area of violation: Generators - Records/Reporting  
Date violation determined: 05/08/1998  
Date achieved compliance: 06/12/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/08/1998  
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 - 4202.7(e), 4401.23  
Area of violation: Generators - Pre-transport  
Date violation determined: 05/08/1998  
Date achieved compliance: 06/12/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/08/1998  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**JONES TRANSPORTATION CO (Continued)**

**1001217868**

Regulation violated: SR - 4203.5  
Area of violation: Generators - Records/Reporting  
Date violation determined: 05/08/1998  
Date achieved compliance: 06/12/1998  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 05/08/1998  
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

Evaluation Action Summary:

Evaluation date: 02/02/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 11/28/2001  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 05/08/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Records/Reporting  
Date achieved compliance: 06/12/1998  
Evaluation lead agency: State

Evaluation date: 05/08/1998  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 06/12/1998  
Evaluation lead agency: State

FINDS:

Registry ID: 110002503960

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.



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**Q89**      **JONES TRANSPORTATION**  
**NNE**      **1342 S CAPITOL ST SE**  
**1/8-1/4**    **WASHINGTON, DC 20003**  
**0.239 mi.**  
**1260 ft.**    **Site 7 of 8 in cluster Q**

**DC AST**    **U003763779**  
**N/A**

**Relative:**  
**Higher**

AST:  
Facility ID:      2004774  
Owner:            R A BIGGS

**Actual:**  
**28 ft.**

Tank ID:            1  
Tank Status:        Currently in Use  
Tank Capacity:     500  
Substance:         Used Oil  
AST:                 True

**Q90**      **1342 S CAPITOL ST SE**  
**NNE**      **WASHINGTON, DC 20003**  
**1/8-1/4**  
**0.239 mi.**  
**1260 ft.**    **Site 8 of 8 in cluster Q**

**EDR US Hist Auto Stat**    **1015211258**  
**N/A**

**Relative:**  
**Higher**

EDR Historical Auto Stations:  
Name:              AAMCO TRANSMISSIONS  
Year:                2005  
Address:            1342 S CAPITOL ST SE

**Actual:**  
**28 ft.**

Name:              AAMCO TRANSMISSIONS  
Year:                2007  
Address:            1342 S CAPITOL ST SE

**S91**      **UNKNOWN**  
**NNE**      **1334 S CAPITOL ST SE**  
**1/8-1/4**    **WASHINGTON, DC**  
**0.241 mi.**  
**1271 ft.**    **Site 1 of 3 in cluster S**

**DC HIST UST**    **S110337722**  
**N/A**

**Relative:**  
**Higher**

HIST UST:  
Facility Id:                    2004773\*001  
Confirm Tank/Owner Address Found: Not reported  
Confirm Tank/No Owner Found:    Not reported  
Owner Found/No Tank:            Not reported  
No Owner/No Tank:                Not reported  
Address Not Found:                yes  
Ltr Edc:                        Not reported  
Tank Status:                    UNK  
Tank Capacity:                 Not reported  
Product:                        unk

**Actual:**  
**28 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

S92  
NNE  
1/8-1/4  
0.242 mi.  
1277 ft.

WARRING, JAMES T SONS INC  
1330 S CAPITOL ST SE  
WASHINGTON, DC 20003

RCRA NonGen / NLR 1000362121  
DCD000746909

Site 2 of 3 in cluster S

Relative:  
Higher

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980  
Facility name: WARRING, JAMES T SONS INC  
Facility address: 1330 S CAPITOL ST SE  
WASHINGTON, DC 20003  
EPA ID: DCD000746909  
Mailing address: 1321 S CAPITOL ST SW  
WASHINGTON, DC 20003  
Contact: VINCENT WARRING  
Contact address: 1330 S CAPITOL ST SE  
WASHINGTON, DC 20003  
Contact country: US  
Contact telephone: (202) 488-1528  
Contact email: Not reported  
EPA Region: 03  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Actual:  
28 ft.

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: WARRING, JAMES T SONS INC  
Owner/operator address: OWNERSTREET  
OWNERCITY, AK 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
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  
Used oil refiner: No  
Used oil fuel marketer to burner: No

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WARRING, JAMES T SONS INC (Continued)**

1000362121

Used oil Specification marketer: No  
Used oil transfer facility: No  
Used oil transporter: No

Violation Status: No violations found

S93  
NNE  
1/4-1/2  
0.256 mi.  
1352 ft.

**WARRING, JAMES T SONS INC**  
**1321 S CAPITOL ST SW**  
**WASHINGTON, DC 20003**

**CERC-NFRAP** 1000221667  
**RCRA NonGen / NLR** DCD042278994

Site 3 of 3 in cluster S

Relative:  
Higher

CERC-NFRAP:

Site ID: 0300026  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

Actual:  
27 ft.

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: WARRING DRUM  
Alias Address: Not reported  
DC

Alias Name: JAMES T WARRING & SONS INC  
Alias Address: Not reported  
WASHINGTON, DC

CERCLIS-NFRAP Assessment History:

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 03/01/80  
Priority Level: Not reported

Action: SITE INSPECTION  
Date Started: 02/01/80  
Date Completed: 03/01/80  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: DISCOVERY  
Date Started: / /  
Date Completed: 09/01/79  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 11/01/79  
Priority Level: Low priority for further assessment

RCRA NonGen / NLR:

Date form received by agency: 08/18/1980  
Facility name: WARRING, JAMES T SONS INC  
Facility address: 1321 S CAPITOL ST SW  
WASHINGTON, DC 20003  
EPA ID: DCD042278994  
Contact: VINCENT WARRING  
Contact address: 1321 S CAPITOL ST SW  
WASHINGTON, DC 20003

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WARRING, JAMES T SONS INC (Continued)**

**1000221667**

Contact country: US  
Contact telephone: (202) 488-1528  
Contact email: Not reported  
EPA Region: 03  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: JAMES T WARRING SONS INC  
Owner/operator address: OWNERSTREET  
OWNERCITY, AK 99999  
Owner/operator country: Not reported  
Owner/operator telephone: (215) 555-1212  
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  
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

**T94  
NE  
1/4-1/2  
0.306 mi.  
1615 ft.**

**DC SPORTS COMMISSION  
60-80 O STREET, SE  
WASHINGTON, DC  
Site 1 of 3 in cluster T**

**DC LUST S108276553  
N/A**

**Relative:  
Lower**

LUST:  
Facility ID: 0-000000  
Facility Type: Baseball Stadium-Lot 703  
Facility Status: NFA-DCRBCA  
Product: Heating Oil, Diesel

**Actual:  
15 ft.**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**DC SPORTS COMMISSION (Continued)**

**S108276553**

Notification Date: 5/16/2006  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 5/18/2006  
Lust Number: 2006029

**T95  
NE  
1/4-1/2  
0.325 mi.  
1718 ft.**

**DC DPW FLEET MANAGEMENT  
125 O STREET, SE  
WASHINGTON, DC**

**DC LUST S104918497  
N/A**

**Site 2 of 3 in cluster T**

**Relative:  
Lower**

LUST:  
Facility ID: 2-000617  
Facility Type: DPW  
Facility Status: Open  
Product: Diesel  
Notification Date: 8/20/1998  
Ward: 6  
Media Of Contamination: Soil/GW  
Entry Date: 8/20/1998  
Lust Number: 98097

**Actual:  
12 ft.**

**T96  
NE  
1/4-1/2  
0.329 mi.  
1739 ft.**

**WASHINGTON D.C. SEWER MYSTERY SPILL  
150 O STREET  
WASHINGTON, DC 20032**

**CERC-NFRAP 1003108869  
DCN000305637**

**Site 3 of 3 in cluster T**

**Relative:  
Lower**

CERC-NFRAP:  
Site ID: 0305637  
Federal Facility: Not a Federal Facility  
NPL Status: Not on the NPL  
Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information

**Actual:  
15 ft.**

**CERCLIS-NFRAP Site Contact Details:**

Contact Sequence ID: 13304765.00000  
Person ID: 3000119.00000

Contact Sequence ID: 13304766.00000  
Person ID: 3000194.00000

**CERCLIS-NFRAP Assessment History:**

Action: DISCOVERY  
Date Started: / /  
Date Completed: 01/15/02  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: 01/15/02  
Date Completed: 08/01/02  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: REMOVAL ASSESSMENT  
Date Started: 01/08/01

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON D.C. SEWER MYSTERY SPILL (Continued)**

**1003108869**

Date Completed: 08/01/02  
Priority Level: Not reported  
  
Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 08/19/02  
Priority Level: Not reported  
  
Action: REMOVAL ASSESSMENT  
Date Started: 12/19/00  
Date Completed: 12/20/00  
Priority Level: Not reported

97  
NNE  
1/4-1/2  
0.359 mi.  
1895 ft.

**WEBER'S WHITE TRUCKS,INC.**  
**1331 HALF ST SE**  
**WASHINGTON, DC 20003**

**DC LUST U003054219**  
**DC UST N/A**

**Relative:**  
**Higher**

**LUST:**  
Facility ID: 2-000704  
Facility Type: Other  
Facility Status: Closed  
Product: Gasoline  
Notification Date: 1/26/1998  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 1/26/1998  
Lust Number: 98029

**Actual:**  
**24 ft.**

**UST:**  
Facility ID: 2000704  
Facility Description: False  
Owner: WEBER'S WHITE TRUCKS,INC.

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Gasoline

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 1000  
Substance: Gasoline

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

---

<b>U98</b> <b>NNE</b> <b>1/4-1/2</b> <b>0.371 mi.</b> <b>1957 ft.</b>	<b>AMOCO</b> <b>1244 SOUTH CAPITAL ST. SE</b> <b>WASHINGTON, DC</b>  <b>Site 1 of 4 in cluster U</b>	<b>DC LUST</b>	<b>1001276588</b> <b>N/A</b>
---	--	----------------	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>LUST:</b>	
<b>Actual:</b> <b>23 ft.</b>	Facility ID: 2-000105 Facility Type: Gas Station Facility Status: Closed Product: Gasoline Notification Date: 2/26/2002 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 2/26/2002 Lust Number: 2002035	
	Facility ID: 2-000105 Facility Type: Gas Station Facility Status: Closed Product: Gasoline Notification Date: 2/9/1994 Ward: 6 Media Of Contamination: Soil/GW Entry Date: 2/9/1994 Lust Number: 94047	

<b>U99</b> <b>NNE</b> <b>1/4-1/2</b> <b>0.387 mi.</b> <b>2046 ft.</b>	<b>1236 SOUTH CAPITOL STREET, SE</b> <b>WASHINGTON, DC</b>  <b>Site 2 of 4 in cluster U</b>	<b>DC BROWNFIELDS</b>	<b>S108931562</b> <b>N/A</b>
---	--	-----------------------	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>BROWNFIELD:</b>	
<b>Actual:</b> <b>22 ft.</b>	PB ID: PBF2004-0127 Ownership: Private Size (sf): 1500 Phase I: unknown Phase II: unknown Lot: 0046 Square: 0700 Latitude/Longitude: 38.8758 / -77.009 Notes: WS/Other: 11-01-07	

<b>100</b> <b>SSW</b> <b>1/4-1/2</b> <b>0.390 mi.</b> <b>2057 ft.</b>	<b>NAVAL SUPPORT FACILITY ANACOSTIA</b> <b>2701 SOUTH CAPITOL STREET SE</b> <b>WASHINGTON, DC 20373</b>	<b>CERC-NFRAP</b> <b>RCRA NonGen / NLR</b> <b>NJ MANIFEST</b> <b>NY MANIFEST</b>	<b>1000481655</b> <b>DC4170000901</b>
---	---	---	--

<b>Relative:</b> <b>Lower</b>	<b>CERC-NFRAP:</b>	
<b>Actual:</b> <b>8 ft.</b>	Site ID: 0304418 Federal Facility: Federal Facility NPL Status: Not on the NPL Non NPL Status: NFRAP-Site does not qualify for the NPL based on existing information	

CERCLIS-NFRAP Site Contact Details:  
 Contact Sequence ID: 3386837.00000

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Person ID: 3000181.00000

CERCLIS-NFRAP Site Alias Name(s):

Alias Name: ANACOSTIA NAVAL STATION  
Alias Address: 2701 SOUTH CAPITOL STREET SW  
WASHINGTON, DC 22214

CERCLIS-NFRAP Assessment History:

Action: DISCOVERY  
Date Started: / /  
Date Completed: 06/06/91  
Priority Level: Not reported

Action: ARCHIVE SITE  
Date Started: / /  
Date Completed: 06/06/91  
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT  
Date Started: / /  
Date Completed: 08/26/96  
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

RCRA NonGen / NLR:

Date form received by agency: 01/21/2011  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Facility address: 2701 SOUTH CAPITOL STREET SE  
WASHINGTON, DC 20373  
EPA ID: DC4170000901  
Mailing address: O STREET SE  
SUITE 100N  
WASHINGTON NAVY YARD, DC 20374  
Contact: STEVEN GODIO  
Contact address: O STREET SE SUITE 100N  
WASHINGTON NAVY YARD, DC 20374  
Contact country: US  
Contact telephone: (202) 433-7182  
Contact email: STEVEN.GODIO@NAVY.MIL  
EPA Region: 03  
Land type: Federal  
Classification: Non-Generator  
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name: NAVFAC WASHINGTON  
Owner/operator address: O ST SE SUITE 100N  
WASHINGTON, DC 20374  
Owner/operator country: US  
Owner/operator telephone: 202-433-7182  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Owner/operator name: COMMANDANT NDW



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Owner/operator address: DAHLGREEN AVE SE  
WASHINGTON, DC 20374  
Owner/operator country: US  
Owner/operator telephone: 202-433-2670  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Owner/operator name: COMMANDANT NAVAL DISTRICT  
Owner/operator address: DAHLGREN AVENUE SE  
WASHINGTON NAVY YARD, DC 20374  
Owner/operator country: US  
Owner/operator telephone: (202) 433-7182  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Owner/operator name: COMMANDANT, NAVAL DISTRICT WASHINGTON  
Owner/operator address: DAHLGREN AVE, SE.  
WASHINGTON, DC 20374  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Owner  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Owner/operator name: NAVFAC WASHINGTON  
Owner/operator address: DAHLGREN AVENUE, SE.  
WASHINGTON, DC 20374  
Owner/operator country: US  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 10/01/1998  
Owner/Op end date: Not reported

Owner/operator name: NACFAC WASHINGTON  
Owner/operator address: O STREET SE SUITE 100N  
WASHINGTON NAVY YARD, DC 20374  
Owner/operator country: Not reported  
Owner/operator telephone: Not reported  
Legal status: Federal  
Owner/Operator Type: Operator  
Owner/Op start date: 10/01/1998  
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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Furnace exemption: No  
Used oil fuel burner: No  
Used oil processor: No  
Used 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: 03/01/2010  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 03/03/2008  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 04/04/2006  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 02/27/2004  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Site name: HQ NDW NAVAL STATION ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 02/26/2002  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Site name: HQ NDW NAVAL STATION ANACOSTIA  
Classification: Small Quantity Generator

Date form received by agency: 02/25/2000  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Site name: HQ NDW NAVAL STATION ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 03/01/1998  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Site name: HQ NDW NAVAL STATION ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 02/14/1996  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Site name: U S NAVAL DISTRICT WASH ANACOSTIA  
Classification: Large Quantity Generator

Date form received by agency: 05/08/1990  
Facility name: NAVAL SUPPORT FACILITY ANACOSTIA  
Site name: ANACOSTIA NAVAL STATION  
Classification: Large Quantity Generator

Hazardous Waste Summary:

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKY-MARTENS

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003  
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D007  
Waste name: CHROMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D009  
Waste name: MERCURY

Waste code: D011  
Waste name: SILVER

Waste code: D018  
Waste name: BENZENE

Waste code: P030  
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Waste code: D008  
Waste name: LEAD

Waste code: D018  
Waste name: BENZENE

Waste code: D035  
Waste name: METHYL ETHYL KETONE

Waste code: D001  
Waste name: IGNITABLE HAZARDOUS WASTES ARE THOSE WASTES WHICH HAVE A FLASHPOINT OF LESS THAN 140 DEGREES FAHRENHEIT AS DETERMINED BY A PENSKEY-MARTENS CLOSED CUP FLASH POINT TESTER. ANOTHER METHOD OF DETERMINING THE FLASH POINT OF A WASTE IS TO REVIEW THE MATERIAL SAFETY DATA SHEET, WHICH CAN BE OBTAINED FROM THE MANUFACTURER OR DISTRIBUTOR OF THE MATERIAL. LACQUER THINNER IS AN EXAMPLE OF A COMMONLY USED SOLVENT WHICH WOULD BE CONSIDERED AS IGNITABLE HAZARDOUS WASTE.

Waste code: D002  
Waste name: A WASTE WHICH HAS A PH OF LESS THAN 2 OR GREATER THAN 12.5 IS CONSIDERED TO BE A CORROSIVE HAZARDOUS WASTE. SODIUM HYDROXIDE, A CAUSTIC SOLUTION WITH A HIGH PH, IS OFTEN USED BY INDUSTRIES TO CLEAN OR DEGREASE PARTS. HYDROCHLORIC ACID, A SOLUTION WITH A LOW PH, IS USED BY MANY INDUSTRIES TO CLEAN METAL PARTS PRIOR TO PAINTING. WHEN THESE CAUSTIC OR ACID SOLUTIONS BECOME CONTAMINATED AND MUST BE DISPOSED, THE WASTE WOULD BE A CORROSIVE HAZARDOUS WASTE.

Waste code: D003  
Waste name: A MATERIAL IS CONSIDERED TO BE A REACTIVE HAZARDOUS WASTE IF IT IS NORMALLY UNSTABLE, REACTS VIOLENTLY WITH WATER, GENERATES TOXIC GASES WHEN EXPOSED TO WATER OR CORROSIVE MATERIALS, OR IF IT IS CAPABLE OF DETONATION OR EXPLOSION WHEN EXPOSED TO HEAT OR A FLAME. ONE EXAMPLE OF SUCH WASTE WOULD BY WASTE GUNPOWDER.

Waste code: D005  
Waste name: BARIUM

Waste code: D006  
Waste name: CADMIUM

Waste code: D007  
Waste name: CHROMIUM

Waste code: D008  
Waste name: LEAD

Waste code: D009  
Waste name: MERCURY

Waste code: D011  
Waste name: SILVER

Waste code: D018  
Waste name: BENZENE

Waste code: D026  
Waste name: CRESOL

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Waste code: D029  
Waste name: 1,1-DICHLOROETHYLENE

Waste code: D035  
Waste name: METHYL ETHYL KETONE

Waste code: D039  
Waste name: TETRACHLOROETHYLENE

Waste code: D040  
Waste name: TRICHLOROETHYLENE

Waste code: F001  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS USED IN DEGREASING: TETRACHLOROETHYLENE, TRICHLOROETHYLENE, METHYLENE CHLORIDE, 1,1,1-TRICHLOROETHANE, CARBON TETRACHLORIDE, AND CHLORINATED FLUOROCARBONS; ALL SPENT SOLVENT MIXTURES/BLENDS USED IN DEGREASING CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F002  
Waste name: THE FOLLOWING SPENT HALOGENATED SOLVENTS: TETRACHLOROETHYLENE, METHYLENE CHLORIDE, TRICHLOROETHYLENE, 1,1,1-TRICHLOROETHANE, CHLOROBENZENE, 1,1,2-TRICHLORO-1,2,2-TRIFLUOROETHANE, ORTHO-DICHLOROBENZENE, TRICHLOROFLUOROMETHANE, AND 1,1,2-TRICHLOROETHANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE HALOGENATED SOLVENTS OR THOSE LISTED IN F001, F004, OR F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F003  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: XYLENE, ACETONE, ETHYL ACETATE, ETHYL BENZENE, ETHYL ETHER, METHYL ISOBUTYL KETONE, N-BUTYL ALCOHOL, CYCLOHEXANONE, AND METHANOL; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONLY THE ABOVE SPENT NON-HALOGENATED SOLVENTS; AND ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS, AND, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THOSE SOLVENTS LISTED IN F001, F002, F004, AND F005, AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F005  
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: TOLUENE, METHYL ETHYL KETONE, CARBON DISULFIDE, ISOBUTANOL, PYRIDINE, BENZENE, 2-ETHOXYETHANOL, AND 2-NITROPROPANE; ALL SPENT SOLVENT MIXTURES/BLENDS CONTAINING, BEFORE USE, A TOTAL OF TEN PERCENT OR MORE (BY VOLUME) OF ONE OR MORE OF THE ABOVE NON-HALOGENATED SOLVENTS OR THOSE SOLVENTS LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F008  
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Waste code: P030  
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P044  
Waste name: DIMETHOATE

Waste code: U121  
Waste name: METHANE, TRICHLOROFLUORO-

Waste code: U247  
Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4- METHOXY-

Facility Has Received Notices of Violations:

Regulation violated: FR - 40cfr262.34(a)(2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 09/24/2002  
Date achieved compliance: 09/13/2004  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40cfr273.14  
Area of violation: Generators - Pre-transport  
Date violation determined: 09/24/2002  
Date achieved compliance: 09/13/2004  
Violation lead agency: EPA  
Enforcement action: Not reported  
Enforcement action date: Not reported  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: Not reported  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: SR - 9 vac 20-60-450.B  
Area of violation: Transporters - General  
Date violation determined: 02/24/2000  
Date achieved compliance: 03/15/2000  
Violation lead agency: State  
Enforcement action: WRITTEN INFORMAL  
Enforcement action date: 03/09/2000  
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: FR - 40 CFR 286.7(a)(7)  
Area of violation: LDR - General

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date violation determined: 06/28/1995  
Date achieved compliance: 08/18/1998  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 265.16  
Area of violation: Generators - General  
Date violation determined: 06/28/1995  
Date achieved compliance: 08/18/1998  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(2)  
Area of violation: Generators - Pre-transport  
Date violation determined: 06/28/1995  
Date achieved compliance: 08/18/1998  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

Regulation violated: FR - 40 CFR 262.34(a)(3)  
Area of violation: Generators - Pre-transport  
Date violation determined: 06/28/1995  
Date achieved compliance: 08/18/1998  
Violation lead agency: EPA  
Enforcement action: INITIAL 3008(A) COMPLIANCE  
Enforcement action date: 09/30/1996  
Enf. disposition status: Not reported  
Enf. disp. status date: Not reported  
Enforcement lead agency: EPA  
Proposed penalty amount: Not reported  
Final penalty amount: Not reported  
Paid penalty amount: Not reported

**Evaluation Action Summary:**

Evaluation date: 01/28/2010  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 08/05/2008  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: State

Evaluation date: 07/12/2004  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Not reported  
Date achieved compliance: Not reported  
Evaluation lead agency: EPA

Evaluation date: 09/24/2002  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 09/13/2004  
Evaluation lead agency: EPA

Evaluation date: 02/24/2000  
Evaluation: NON-FINANCIAL RECORD REVIEW  
Area of violation: Transporters - General  
Date achieved compliance: 03/15/2000  
Evaluation lead agency: State

Evaluation date: 06/28/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - General  
Date achieved compliance: 08/18/1998  
Evaluation lead agency: EPA

Evaluation date: 06/28/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: LDR - General  
Date achieved compliance: 08/18/1998  
Evaluation lead agency: EPA

Evaluation date: 06/28/1995  
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE  
Area of violation: Generators - Pre-transport  
Date achieved compliance: 08/18/1998  
Evaluation lead agency: EPA

**NJ MANIFEST:**

Manifest Code: NJA5093804  
EPA ID: DC4170000901  
Date Shipped: 02/12/2004  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/12/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/17/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03220421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported
Manifest Code:	NJA5117313
EPA ID:	DC4170000901
Date Shipped:	02/12/2004
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Transporter 10 EPA ID:	Not reported
Date Trans1 Transported Waste:	02/12/2004
Date Trans2 Transported Waste:	Not reported
Date Trans3 Transported Waste:	Not reported
Date Trans4 Transported Waste:	Not reported
Date Trans5 Transported Waste:	Not reported
Date Trans6 Transported Waste:	Not reported
Date Trans7 Transported Waste:	Not reported
Date Trans8 Transported Waste:	Not reported
Date Trans9 Transported Waste:	Not reported
Date Trans10 Transported Waste:	Not reported
Date TSDF Received Waste:	02/17/2004
Tranporter 1 Decal:	Not reported
Tranporter 2 Decal:	Not reported
Generator EPA Facility Name:	Not reported
Transporter-1 EPA Facility Name:	Not reported
Transporter-2 EPA Facility Name:	Not reported
Transporter-3 EPA Facility Name:	Not reported
Transporter-4 EPA Facility Name:	Not reported
Transporter-5 EPA Facility Name:	Not reported
TSDF EPA Facility Name:	Not reported
QTY Units:	Not reported
Transporter SEQ ID:	Not reported
Transporter-1 Date:	Not reported
Waste SEQ ID:	Not reported
Waste Type Code 2:	Not reported
Waste Type Code 3:	Not reported
Waste Type Code 4:	Not reported
Waste Type Code 5:	Not reported
Waste Type Code 6:	Not reported
Date Accepted:	Not reported
Manifest Discrepancy Type:	Not reported
Data Entry Number:	03220421
Reference Manifest Number:	Not reported
Was Load Rejected (Y/N):	No
Reason Load Was Rejected:	Not reported
Waste Code:	Not reported
Manifest Year:	Not reported
Quantity:	Not reported
Unit:	Not reported
Hand Code:	Not reported
Manifest Code:	NJA5094714
EPA ID:	DC4170000901
Date Shipped:	04/09/2004
TSDF EPA ID:	NJD002182897
Transporter EPA ID:	TXR000050930
Transporter 2 EPA ID:	Not reported
Transporter 3 EPA ID:	Not reported
Transporter 4 EPA ID:	Not reported
Transporter 5 EPA ID:	Not reported
Transporter 6 EPA ID:	Not reported
Transporter 7 EPA ID:	Not reported
Transporter 8 EPA ID:	Not reported
Transporter 10 EPA ID:	Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date Trans1 Transported Waste: 04/09/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 04/16/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 05100425  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5039421  
EPA ID: DC4170000901  
Date Shipped: 06/02/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 06/02/2004

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 06/08/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 06230421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5037926  
EPA ID: DC4170000901  
Date Shipped: 08/04/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/04/2004  
Date Trans2 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 08/15/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 09150421  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071207  
EPA ID: DC4170000901  
Date Shipped: 09/22/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 09/22/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 09/24/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 10270422  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5071986  
EPA ID: DC4170000901  
Date Shipped: 11/15/2004  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 11/15/2004  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 11/18/2004  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 01110521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5222171  
EPA ID: DC4170000901  
Date Shipped: 05/31/2005  
TSDF EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 05/31/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date Trans6 Transported Waste: Not reported  
Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDf Received Waste: 06/06/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDf EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 07010521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

Manifest Code: NJA5223276  
EPA ID: DC4170000901  
Date Shipped: 08/12/2005  
TSDf EPA ID: NJD002182897  
Transporter EPA ID: TXR000050930  
Transporter 2 EPA ID: Not reported  
Transporter 3 EPA ID: Not reported  
Transporter 4 EPA ID: Not reported  
Transporter 5 EPA ID: Not reported  
Transporter 6 EPA ID: Not reported  
Transporter 7 EPA ID: Not reported  
Transporter 8 EPA ID: Not reported  
Transporter 10 EPA ID: Not reported  
Date Trans1 Transported Waste: 08/12/2005  
Date Trans2 Transported Waste: Not reported  
Date Trans3 Transported Waste: Not reported  
Date Trans4 Transported Waste: Not reported  
Date Trans5 Transported Waste: Not reported  
Date Trans6 Transported Waste: Not reported



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**NAVAL SUPPORT FACILITY ANACOSTIA (Continued)**

**1000481655**

Date Trans7 Transported Waste: Not reported  
Date Trans8 Transported Waste: Not reported  
Date Trans9 Transported Waste: Not reported  
Date Trans10 Transported Waste: Not reported  
Date TSDF Received Waste: 08/17/2005  
Tranporter 1 Decal: Not reported  
Tranporter 2 Decal: Not reported  
Generator EPA Facility Name: Not reported  
Transporter-1 EPA Facility Name: Not reported  
Transporter-2 EPA Facility Name: Not reported  
Transporter-3 EPA Facility Name: Not reported  
Transporter-4 EPA Facility Name: Not reported  
Transporter-5 EPA Facility Name: Not reported  
TSDF EPA Facility Name: Not reported  
QTY Units: Not reported  
Transporter SEQ ID: Not reported  
Transporter-1 Date: Not reported  
Waste SEQ ID: Not reported  
Waste Type Code 2: Not reported  
Waste Type Code 3: Not reported  
Waste Type Code 4: Not reported  
Waste Type Code 5: Not reported  
Waste Type Code 6: Not reported  
Date Accepted: Not reported  
Manifest Discrepancy Type: Not reported  
Data Entry Number: 09130521  
Reference Manifest Number: Not reported  
Was Load Rejected (Y/N): No  
Reason Load Was Rejected: Not reported  
Waste Code: Not reported  
Manifest Year: Not reported  
Quantity: Not reported  
Unit: Not reported  
Hand Code: Not reported

**NY MANIFEST:**

EPA ID: DC4170000901  
Country: USA  
Mailing Name: UNITED STATES MILITARY  
Mailing Contact: N/S  
Mailing Address: 1311 10TH ST BLDG 175 STE 102  
Mailing Address 2: Not reported  
Mailing City: WASHINGTON  
Mailing State: DC  
Mailing Zip: 20374  
Mailing Zip4: 5095  
Mailing Country: USA  
Mailing Phone: 202-433-7182

Document ID: NYB1905030  
Manifest Status: Completed after the designated time period for a TSDF to get a copy to the DEC  
Trans1 State ID: P13954ILL  
Trans2 State ID: PC4291  
Generator Ship Date: 910305

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NAVAL SUPPORT FACILITY ANACOSTIA (Continued)

1000481655

Trans1 Recv Date: 910305  
Trans2 Recv Date: 910321  
TSD Site Recv Date: 910322  
Part A Recv Date: 910325  
Part B Recv Date: 910403  
Generator EPA ID: DC4170000901  
Trans1 EPA ID: ILD099202681  
Trans2 EPA ID: Not reported  
TSD ID: NYD049836679  
Waste Code: D002 - NON-LISTED CORROSIVE WASTES  
Quantity: 00085  
Units: G - Gallons (liquids only)\* (8.3 pounds)  
Number of Containers: 001  
Container Type: DM - Metal drums, barrels  
Handling Method: B Incineration, heat recovery, burning.  
Specific Gravity: 100  
Year: 91

Document ID: NYB7539714  
Manifest Status: Completed after the designated time period for a TSD to get a copy to the DEC  
Trans1 State ID: Not reported  
Trans2 State ID: MAINEV620  
Generator Ship Date: 960201  
Trans1 Recv Date: 960201  
Trans2 Recv Date: 960220  
TSD Site Recv Date: 960223  
Part A Recv Date: 960304  
Part B Recv Date: 960304  
Generator EPA ID: DC4170000901  
Trans1 EPA ID: DCD981735244  
Trans2 EPA ID: DCD981735244  
TSD ID: NYD048148175  
Waste Code: D009 - MERCURY 0.2 MG/L TCLP  
Quantity: 00030  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 00008  
Units: P - Pounds  
Number of Containers: 001  
Container Type: DF - Fiberboard or plastic drums (glass)  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Waste Code: Not reported  
Quantity: 02400  
Units: P - Pounds  
Number of Containers: 002  
Container Type: DM - Metal drums, barrels  
Handling Method: R Material recovery of more than 75 percent of the total material.  
Specific Gravity: 100  
Year: 96

MAP FINDINGS

Map ID			EDR ID Number
Direction			EPA ID Number
Distance			
Elevation	Site	Database(s)	

---

<b>U101</b> <b>NNE</b> <b>1/4-1/2</b> <b>0.393 mi.</b> <b>2075 ft.</b>	<b>PUBLIC STORAGE, INC.</b> <b>1230 SOUTH CAPITOL ST., SE</b> <b>WASHINGTON, DC</b>  <b>Site 3 of 4 in cluster U</b>	<b>DC LUST</b>	<b>S103816846</b> <b>N/A</b>
--	--	----------------	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>LUST:</b>	
	Facility ID:	2-000067
	Facility Type:	Other
<b>Actual:</b> <b>22 ft.</b>	Facility Status:	NFA
	Product:	Diesel
	Notification Date:	8/12/1996
	Ward:	6
	Media Of Contamination:	Soil/GW
	Entry Date:	8/12/1996
	Lust Number:	96092

<b>U102</b> <b>NNE</b> <b>1/4-1/2</b> <b>0.393 mi.</b> <b>2075 ft.</b>	<b>PUBLIC STORAGE</b> <b>1230 SOUTH CAPITOL STREET, SE</b> <b>WASHINGTON, DC</b>  <b>Site 4 of 4 in cluster U</b>	<b>DC LUST</b> <b>DC BROWNFIELDS</b>	<b>S108931560</b> <b>N/A</b>
--	---	---	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>LUST:</b>	
	Facility ID:	2-000067
	Facility Type:	Other
<b>Actual:</b> <b>22 ft.</b>	Facility Status:	Closed
	Product:	Diesel
	Notification Date:	8/21/1989
	Ward:	6
	Media Of Contamination:	Soil
	Entry Date:	8/21/1989
	Lust Number:	89044

	<b>BROWNFIELD:</b>	
	PB ID:	PBF2003-0085
	Ownership:	Private
	Size (sf):	15198
	Phase I:	unknown
	Phase II:	unknown
	Lot:	0044
	Square:	0700
	Latitude/Longitude:	38.87588418 / -77.00909325
	Notes:	WS/Other: 11-01-07

<b>V103</b> <b>NNE</b> <b>1/4-1/2</b> <b>0.429 mi.</b> <b>2265 ft.</b>	<b>17 M ST. LLC/WMATA</b> <b>17 M STREET, SE</b> <b>WASHINGTON, DC</b>  <b>Site 1 of 3 in cluster V</b>	<b>DC LUST</b>	<b>S109028312</b> <b>N/A</b>
--	---	----------------	---------------------------------

<b>Relative:</b> <b>Higher</b>	<b>LUST:</b>	
	Facility ID:	2-000712
	Facility Type:	Other
<b>Actual:</b> <b>21 ft.</b>	Facility Status:	Open
	Product:	Gasoline, Diesel
	Notification Date:	4/28/1992
	Ward:	6

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**17 M ST. LLC/WMATA (Continued)**

**S109028312**

Media Of Contamination: Soil/GW  
Entry Date: 4/28/1992  
Lust Number: 92048

**104**  
**North**  
**1/4-1/2**  
**0.436 mi.**  
**2302 ft.**

**BOWEN ELEMENTARY SCHOOL**  
**101 M ST SW**  
**WASHINGTON, DC 20024**

**DC LUST** **U003764149**  
**DC UST** **N/A**

**Relative:**  
**Lower**

**LUST:**  
Facility ID: 9-000357  
Facility Type: DC Govt - School  
Facility Status: Closed  
Product: Heating Oil  
Notification Date: 9/19/2001  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 9/19/2001  
Lust Number: 2001075

**Actual:**  
**9 ft.**

**UST:**  
Facility ID: 9000357  
Facility Description: False  
Owner: OFF OF PUBLIC EDUCATION FACILITIES MODERNIZATION  
  
Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 5000  
Substance: Heating Oil

**105**  
**NNE**  
**1/4-1/2**  
**0.439 mi.**  
**2317 ft.**

**ADMIRAL LIMOUSINE COMPANY**  
**1245 1ST ST SE**  
**WASHINGTON, DC 20003**

**DC LUST** **U003053734**  
**DC UST** **N/A**  
**DC HIST UST**

**Relative:**  
**Lower**

**LUST:**  
Facility ID: 0-000164  
Facility Type: Other  
Facility Status: Closed  
Product: Gasoline  
Notification Date: 11/17/1997  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 11/17/1997  
Lust Number: 98009

**Actual:**  
**20 ft.**

**UST:**  
Facility ID: 164  
Facility Description: False  
Owner: WILLCO CONSTRUCTION CO  
  
Tank ID: 1  
**Tank Status: Permanently Out of Use**

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**ADMIRAL LIMOUSINE COMPANY (Continued)**

**U003053734**

Tank Capacity: 1000  
Substance: Diesel

Tank ID: 2  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 2000  
Substance: Gasoline

**HIST UST:**

Facility Id: 0000164\*001  
Confirm Tank/Owner Address Found: Not reported  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: yes  
No Owner/No Tank: Not reported  
Address Not Found: Not reported  
Ltr Edc: Not reported  
Tank Status: Not reported  
Tank Capacity: 1000  
Product: Diesel

Facility Id: 0000164\*002  
Confirm Tank/Owner Address Found: Not reported  
Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: yes  
No Owner/No Tank: Not reported  
Address Not Found: Not reported  
Ltr Edc: Not reported  
Tank Status: Not reported  
Tank Capacity: 2000  
Product: Gas

V106  
NNE  
1/4-1/2  
0.439 mi.  
2320 ft.

**LERNER ENTERPRISES**  
**20 M STREET, SE**  
**WASHINGTON, DC**

**DC LUST S102834858**  
**N/A**

**Site 2 of 3 in cluster V**

**Relative:**  
**Higher**

**LUST:**

Facility ID: 0-000000  
Facility Type: Commercial  
Facility Status: Closed  
Product: Gasoline, Diesel  
Notification Date: 8/6/2001  
Ward: 6  
Media Of Contamination: Soil/GW  
Entry Date: 8/8/2001  
Lust Number: 2001060

**Actual:**  
**21 ft.**

Facility ID: 2-000712  
Facility Type: Other  
Facility Status: Closed  
Product: Heating Oil  
Notification Date: 10/13/1988  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 10/13/1988

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**LERNER ENTERPRISES (Continued)**

**S102834858**

Lust Number: 89001

**V107**  
**NNE**  
**1/4-1/2**  
**0.439 mi.**  
**2320 ft.**

**0020 M STREET, SE**  
**WASHINGTON, DC**

**DC BROWNFIELDS**

**S110337133**  
**N/A**

**Site 3 of 3 in cluster V**

**Relative:**  
**Higher**

**BROWNFIELD:**

PB ID: PBF2003-0090  
Ownership: Private  
Size (sf): 22313  
Phase I: unknown  
Phase II: unknown  
Lot: 0804  
Square: 0698  
Latitude/Longitude: 38.87647086 / -77.00821881  
Notes: WS: Other

**Actual:**  
**21 ft.**

**108**  
**North**  
**1/4-1/2**  
**0.450 mi.**  
**2378 ft.**

**GREENLEAF SENIOR GARDENS**  
**1200 DELAWARE AV SW**  
**WASHINGTON, DC 20024**

**DC LUST**  
**DC UST**  
**DC HIST UST**

**U003764081**  
**N/A**

**Relative:**  
**Lower**

**LUST:**

Facility ID: 9-000276  
Facility Type: Commercial  
Facility Status: Closed  
Product: Heating Oil  
Notification Date: 7/29/1998  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 7/29/1998  
Lust Number: 98089

**Actual:**  
**14 ft.**

**UST:**

Facility ID: 9000276  
Facility Description: False  
Owner: GREENLEAF SENIOR GARDENS

Tank ID: 1  
**Tank Status: Permanently Out of Use**  
Tank Capacity: 20000  
Substance: Heating Oil

Tank ID: 2  
**Tank Status: Currently In Use**  
Tank Capacity: 10000  
Substance: Heating Oil

**HIST UST:**

Facility Id: 2001254\*001  
Confirm Tank/Owner Address Found: yes

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**GREENLEAF SENIOR GARDENS (Continued)**

**U003764081**

Confirm Tank/No Owner Found: Not reported  
Owner Found/No Tank: Not reported  
No Owner/No Tank: Not reported  
Address Not Found: yes  
Ltr Edc: Not reported  
Tank Status: CIU  
Tank Capacity: 2500  
Product: HtOI

**W109**  
**NNE**  
**1/4-1/2**  
**0.451 mi.**  
**2379 ft.**

**MONUMENT REALTY**  
**55 M STREET**  
**WASHINGTON, DC**  
**Site 1 of 3 in cluster W**

**DC LUST** **S108276566**  
**N/A**

**Relative:**  
**Higher**

LUST:  
Facility ID: 0-000000  
Facility Type: Commercial  
Facility Status: NFA  
Product: Gasoline, Diesel  
Notification Date: 11/27/2006  
Ward: 6  
Media Of Contamination: GW  
Entry Date: 11/27/2006  
Lust Number: 2007007

**Actual:**  
**22 ft.**

**W110**  
**NNE**  
**1/4-1/2**  
**0.456 mi.**  
**2406 ft.**

**SUNOCO**  
**50 M STREET, SE**  
**WASHINGTON, DC**  
**Site 2 of 3 in cluster W**

**DC LUST** **S103817101**  
**N/A**

**Relative:**  
**Higher**

LUST:  
Facility ID: 2-000735  
Facility Type: Other  
Facility Status: Closed  
Product: Gasoline  
Notification Date: 3/1/1988  
Ward: 6  
Media Of Contamination: Soil  
Entry Date: 3/1/1988  
Lust Number: 88003

**Actual:**  
**22 ft.**

**W111**  
**NNE**  
**1/4-1/2**  
**0.483 mi.**  
**2548 ft.**

**80 M TRACKS LTD PARTNERS**  
**80 M STREET, SE**  
**WASHINGTON, DC**  
**Site 3 of 3 in cluster W**

**DC LUST** **S105029694**  
**N/A**

**Relative:**  
**Higher**

LUST:  
Facility ID: 2-000968  
Facility Type: Commercial  
Facility Status: Closed  
Product: Heating Oil  
Notification Date: 11/30/1999

**Actual:**  
**23 ft.**

Map ID  
 Direction  
 Distance  
 Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
 EPA ID Number

**80 M TRACKS LTD PARTNERS (Continued)**

**S105029694**

Ward: 6  
 Media Of Contamination: Soil  
 Entry Date: 11/30/1999  
 Lust Number: 2000019

112  
 North  
 1/4-1/2  
 0.494 mi.  
 2609 ft.

**21 L, LLC**  
**21 L STREET, SW**  
**WASHINGTON, DC**

**DC LUST S108276550**  
**N/A**

**Relative:**  
**Lower**

LUST:  
 Facility ID: 0-000000  
 Facility Type: Other  
 Facility Status: Open  
 Product: Gasoline  
 Notification Date: 12/2/2005  
 Ward: 6  
 Media Of Contamination: Soil/GW  
 Entry Date: 12/2/2005  
 Lust Number: 2006007

**Actual:**  
**19 ft.**

113  
 NE  
 1/2-1  
 0.646 mi.  
 3409 ft.

**WASHINGTON NAVY YARD**  
**WASHINGTON, DC, DC**

**FUDS 1012129558**  
**N/A**

**Relative:**  
**Lower**

FUDS:  
 Federal Facility ID: DC9799F1332  
 FUDS #: C03DC0917  
 INST ID: 56373  
 Facility Name: WASHINGTON NAVY YARD  
 City: WASHINGTON, DC  
 State: DC  
 EPA Region: 03  
 County: DISTRICT OF COLUMBIA  
 Congressional District: 98  
 US Army District: Baltimore District (NAB)  
 Fiscal Year: 2011  
 Telephone: 410-962-2809  
 NPL Status: Not Listed  
 RAB: Not reported  
 CTC: 52.6  
 Current Owner: FEDERAL  
 Current Prog: Not reported  
 Future Prog: Not reported

**Actual:**  
**7 ft.**

Description: During the period of Navy use, between 1797 and 1962, the site was called the Naval Weapons Plant, Washington, D.C., and was used for the production of various types of weapons, administrative, and industrial purposes. During World War II, the Navy erected 82 buildings consisting mainly of shops and warehouses as well as ground structures. During the period of Navy use, the site was called the U.S. Navy Yard, the U.S. Naval Gun Factory, the Naval Weapons Plant, and finally the Washington Navy Yard. The site was originally acquired for use as a Naval ship building facility but was transformed into a



Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

**WASHINGTON NAVY YARD (Continued)**

**1012129558**

gun factory in the late 1800's. Through World Wars I and II the site produced naval ordnance and weapons as well as repaired damaged equipment and developed new types of ordnance. The site was not under other than DOD control during this period of DOD use.

The United States Government acquired a total of 12 6.8 acres fee in various parcels, between 1797 and 1942, for use by the Navy. On 31 May 1962, the westerly portion of the site (60.5 acres) with improvements was reported excess to the needs of the Navy. The 60.5 acres was a portion of the plant located on "M" Street, between 1st and 11th Streets, S.E. General Services Administration (GSA) accepted the 60.5 acres property and improvements on 1 October 1963. There were no restoration provisions in the transfer documents. There were 47 structures erected on the portion of the site which was conveyed to GSA. In 1989, approximately 5.2 acres including one building was transferred back to the Navy. GSA retains ownership of the remaining 55.3 acres. GSA currently uses the site for storage, administrative, maintenance and miscellaneous purposes. The remaining 71.5 acre (66.3 + 5.2) portion of the site is currently under control of the Navy. The site is currently known as the Washington Navy Yard.

Count: 20 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
WASHINGTON	1003866892	ANACOSTIA DRUM SITE	11TH STREET BRIDGE & GOOD HOPE	20020	CERCLIS-NFRAP
WASHINGTON	1004681738	KRAMER JUNIOR HIGH SCHOOL (PUBLIC	17TH & Q STREETS SE	20020	RCRA-CESQG
WASHINGTON	1004681767	EASTERN SENIOR HIGH SCHOOL (PUBLIC	1700 EAST CAPITOL STREET	20003	RCRA-CESQG
WASHINGTON	1004681864	I & R TRANSMISSION	1002 1ST ST	20003	MANIFEST
WASHINGTON	1007060082	PEPCO	M & HALF ST SE	20003	AST
WASHINGTON	1007091892	WASHINGTON D C DEPT OF PUBLIC WORK	14TH STREET BRIDGE	20032	RCRA-NLR,MANIFEST
WASHINGTON	1014388351	LECKIE ELEMENTARY SCHOOL	4200 MARTIN LUTHER KING AVENUE	20032	RCRA-NLR
WASHINGTON	1014388363	FEDERAL OFFICE BUILDING 8 (FOB 8)	2ND & C STREETS SW	20024	RCRA-NLR
WASHINGTON	1015733126	CUSTIS & BROWN BARGE SPILL	12TH AND WATER STREETS, SW	20024	CERCLIS-NFRAP
WASHINGTON	1015810237	NATIONAL PARK SERVICE - EAST POTOM	1100 OHIO DRIVE SW		FINDS
WASHINGTON	1015810260	BUZZARD POINT FACILITY	701 NINTH STREET, N.W.		FINDS
WASHINGTON	1016116148	BUZZARD POINT GENERATING STATION	1ST STREET & V STREET SOUTHWES		FINDS
WASHINGTON	S103816821	FT. MCNAIR, BLDG #37, TANK #5	103 3RD STREET		LUST
SUITLAND	S104640913	MSP AVIATION DIV. WASHINGTON	ANDREW'S AIR FORCE BASE	20020	HIST UST
WASHINGTON	S105260067	ROADSIDE DEVELOPMENT, INC.	1400 O STREET		LUST
WASHINGTON	S105738284	LAUNDROMAT OF BONG YEE	1520 FIRST STREET		LUST
WASHINGTON	S105980890	DELWIN APARTMENTS	4223 FIRST STREET		LUST
WASHINGTON	S107420436	PEPCO	HALF & M STS, SE		LUST
WASHINGTON	S107420439	SQUARE 669 LTD	NORTH CAPITOL STREET AND P STR		LUST
WASHINGTON	S111770332	THURGOOD MARSHALL ACADEMY	2427 MARTIN LUTHER KING JR HWY	20020	MANIFEST

# 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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	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: 04/26/2013	Source: EPA
Date Data Arrived at EDR: 05/09/2013	Telephone: N/A
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

## ***Federal CERCLIS list***

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System

CERCLIS 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). CERCLIS contains sites which are either proposed to or on the National Priorities List (NPL) and sites which are in the screening and assessment phase for possible inclusion on the NPL.

Date of Government Version: 02/04/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

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: 07/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/09/2012	Telephone: 703-603-8704
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 07/08/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 10/21/2013
	Data Release Frequency: Varies

## ***Federal CERCLIS NFRAP site List***

CERCLIS-NFRAP: CERCLIS No Further Remedial Action Planned

Archived sites are sites that have been removed and archived from the inventory of CERCLIS 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 this 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. This 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 a potential NPL site.

Date of Government Version: 02/05/2013	Source: EPA
Date Data Arrived at EDR: 03/01/2013	Telephone: 703-412-9810
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 05/29/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 05/09/2013
	Data Release Frequency: Quarterly

## ***Federal RCRA CORRACTS facilities list***

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 02/12/2013  
Date Data Arrived at EDR: 02/21/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 6

Source: EPA  
Telephone: 800-424-9346  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Quarterly

### **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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
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: 02/12/2013  
Date Data Arrived at EDR: 02/15/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 12

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal institutional controls / engineering controls registries***

### **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: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	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: 03/14/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/29/2013	Telephone: 703-603-0695
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

### **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: 12/09/2005	Source: Department of the Navy
Date Data Arrived at EDR: 12/11/2006	Telephone: 843-820-7326
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 05/20/2013
Number of Days to Update: 31	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Varies

## ***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: 12/31/2012	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/17/2013	Telephone: 202-267-2180
Date Made Active in Reports: 02/15/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 10/14/2013
	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	Source: Department of Health
Date Data Arrived at EDR: N/A	Telephone: 202-535-2500
Date Made Active in Reports: N/A	Last EDR Contact: 05/28/2013
Number of Days to Update: 0	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

### SWF/LF: Solid Waste Facility Listing

The Solid Waste Disposal Division is responsible for disposing of the District's approximately 203,000 tons of municipal solid waste (trash). Since the District does not have landfills, collected waste is deposited at two solid waste transfer stations and then taken out of the city by contractor vehicles to a waste-to-energy plant and landfill in Virginia.

Date of Government Version: 11/18/2010	Source: Department of Public Works
Date Data Arrived at EDR: 11/19/2010	Telephone: 202-673-6833
Date Made Active in Reports: 12/10/2010	Last EDR Contact: 04/19/2013
Number of Days to Update: 21	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: No Update Planned

## **State and tribal leaking storage tank lists**

### LUST: District of Columbia LUST Cases

Leaking Underground Storage Tank Incident Reports. LUST records contain an inventory of reported leaking underground storage tank incidents. Not all states maintain these records, and the information stored varies by state.

Date of Government Version: 04/10/2013	Source: Department of the Environment
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-442-5977
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

### 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: 09/28/2012	Source: EPA Region 1
Date Data Arrived at EDR: 11/01/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 05/01/2013
Number of Days to Update: 162	Next Scheduled EDR Contact: 08/12/2013
	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: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-8677
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

### INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011	Source: EPA Region 6
Date Data Arrived at EDR: 09/13/2011	Telephone: 214-665-6597
Date Made Active in Reports: 11/11/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 59	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

### INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

# 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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6271
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	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: 03/01/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2013	Telephone: 415-972-3372
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

## INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

### **State and tribal registered storage tank lists**

#### UST: Underground Storage Tank Database List

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: 04/10/2013	Source: Department of the Environment
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-442-5977
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 06/24/2013
	Data Release Frequency: Quarterly

#### AST: List of Aboveground Storage Tanks

Aboveground storage tank locations.

Date of Government Version: 04/10/2013	Source: Department of the Environment
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-727-7218
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 26	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: No Update Planned

#### 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: 12/31/2012	Source: EPA Region 7
Date Data Arrived at EDR: 02/28/2013	Telephone: 913-551-7003
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 43	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies



# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/10/2011	Source: EPA Region 6
Date Data Arrived at EDR: 05/11/2011	Telephone: 214-665-7591
Date Made Active in Reports: 06/14/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

## 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: 08/02/2012	Source: EPA Region 5
Date Data Arrived at EDR: 08/03/2012	Telephone: 312-886-6136
Date Made Active in Reports: 11/05/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 94	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Varies

## 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: 02/06/2013	Source: EPA Region 4
Date Data Arrived at EDR: 02/08/2013	Telephone: 404-562-9424
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 63	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Semi-Annually

## 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: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 11/07/2012	Telephone: 617-918-1313
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 156	Next Scheduled EDR Contact: 08/12/2013
	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: 08/27/2012	Source: EPA Region 8
Date Data Arrived at EDR: 08/28/2012	Telephone: 303-312-6137
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 49	Next Scheduled EDR Contact: 08/12/2013
	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: 02/05/2013	Source: EPA Region 10
Date Data Arrived at EDR: 02/06/2013	Telephone: 206-553-2857
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 65	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 02/21/2013	Source: EPA Region 9
Date Data Arrived at EDR: 02/26/2013	Telephone: 415-972-3368
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 04/29/2013
Number of Days to Update: 45	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: Quarterly

## 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: 04/18/2013
Number of Days to Update: 55	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Varies

### ***State and tribal voluntary cleanup sites***

## 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: 09/28/2012	Source: EPA, Region 1
Date Data Arrived at EDR: 10/02/2012	Telephone: 617-918-1102
Date Made Active in Reports: 10/16/2012	Last EDR Contact: 07/02/2013
Number of Days to Update: 14	Next Scheduled EDR Contact: 10/14/2013
	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

## VCP: Voluntary Cleanup Program Sites

The Voluntary Cleanup Program oversees owner or developer initiated voluntary remediation of contaminated lands and buildings that return actual or potentially contaminated properties to productive uses.

Date of Government Version: 01/09/2013	Source: Department of the Environment
Date Data Arrived at EDR: 03/28/2013	Telephone: 202-535-1337
Date Made Active in Reports: 03/29/2013	Last EDR Contact: 05/28/2013
Number of Days to Update: 1	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

### ***State and tribal Brownfields sites***

## BROWNFIELDS: Brownfields Site Database

A listing of potential brownfields site locations.

Date of Government Version: 11/20/2012	Source: Department of the Environment
Date Data Arrived at EDR: 03/29/2013	Telephone: 202-535-1337
Date Made Active in Reports: 05/07/2013	Last EDR Contact: 06/18/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 12/10/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/11/2012	Telephone: 202-566-2777
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 06/25/2013
Number of Days to Update: 9	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Semi-Annually

### **Local Lists of Landfill / Solid Waste Disposal Sites**

#### 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.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

#### 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	Source: EPA, Region 9
Date Data Arrived at EDR: 05/07/2009	Telephone: 415-947-4219
Date Made Active in Reports: 09/21/2009	Last EDR Contact: 04/29/2013
Number of Days to Update: 137	Next Scheduled EDR Contact: 08/12/2013
	Data Release Frequency: No Update Planned

#### 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 05/03/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Varies

### **Local Lists of Hazardous waste / Contaminated Sites**

#### 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 03/04/2013  
Date Data Arrived at EDR: 03/12/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 59

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 06/03/2013  
Next Scheduled EDR Contact: 09/16/2013  
Data Release Frequency: Quarterly

## US HIST CDL: National Clandestine Laboratory Register

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: 09/01/2007  
Date Data Arrived at EDR: 11/19/2008  
Date Made Active in Reports: 03/30/2009  
Number of Days to Update: 131

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 03/23/2009  
Next Scheduled EDR Contact: 06/22/2009  
Data Release Frequency: No Update Planned

## Local Lists of Registered Storage Tanks

### HIST UST: Historical UST Listing

During the process of the database upgrade, all facilities that the UST Program was unable to confirm their existence were removed from the working revelation UST Database before the conversion and put into an excel spreadsheet. These facilities became known as "Project Unknown". This listing is not current and has been not updated.

Date of Government Version: 12/31/1999  
Date Data Arrived at EDR: 06/25/2010  
Date Made Active in Reports: 07/16/2010  
Number of Days to Update: 21

Source: Department of the Environment  
Telephone: 202-535-1950  
Last EDR Contact: 06/24/2010  
Next Scheduled EDR Contact: 10/11/2010  
Data Release Frequency: No Update Planned

## 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: 02/06/2013  
Date Data Arrived at EDR: 04/25/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 15

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 04/29/2013  
Next Scheduled EDR Contact: 08/12/2013  
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: 12/31/2012  
Date Data Arrived at EDR: 01/03/2013  
Date Made Active in Reports: 02/27/2013  
Number of Days to Update: 55

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 07/01/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Annually

## Other Ascertainable Records

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## RCRA NonGen / NLR: RCRA - Non 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). Non-Generators do not presently generate hazardous waste.

Date of Government Version: 02/12/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/15/2013	Telephone: 800-438-2474
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/01/2013
Number of Days to Update: 12	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012	Source: Department of Transportation, Office of Pipeline Safety
Date Data Arrived at EDR: 08/07/2012	Telephone: 202-366-4595
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 05/07/2013
Number of Days to Update: 42	Next Scheduled EDR Contact: 08/19/2013
	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	Source: USGS
Date Data Arrived at EDR: 11/10/2006	Telephone: 888-275-8747
Date Made Active in Reports: 01/11/2007	Last EDR Contact: 04/19/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Semi-Annually

## 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.

Date of Government Version: 12/31/2011	Source: U.S. Army Corps of Engineers
Date Data Arrived at EDR: 02/26/2013	Telephone: 202-528-4285
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 06/10/2013
Number of Days to Update: 15	Next Scheduled EDR Contact: 09/23/2013
	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: 12/31/2011	Source: Department of Justice, Consent Decree Library
Date Data Arrived at EDR: 01/15/2013	Telephone: Varies
Date Made Active in Reports: 03/13/2013	Last EDR Contact: 06/25/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 10/14/2013
	Data Release Frequency: Varies

## 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: 12/18/2012	Source: EPA
Date Data Arrived at EDR: 03/13/2013	Telephone: 703-416-0223
Date Made Active in Reports: 04/12/2013	Last EDR Contact: 06/11/2013
Number of Days to Update: 30	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Annually

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/28/2013
Number of Days to Update: 146	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Varies

## 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: 02/05/2013	Source: Department of Labor, Mine Safety and Health Administration
Date Data Arrived at EDR: 04/18/2013	Telephone: 303-231-5959
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 06/04/2013
Number of Days to Update: 22	Next Scheduled EDR Contact: 09/16/2013
	Data Release Frequency: Semi-Annually

## 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: 12/31/2009	Source: EPA
Date Data Arrived at EDR: 09/01/2011	Telephone: 202-566-0250
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/29/2013
Number of Days to Update: 131	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Annually

## 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: 12/31/2006	Source: EPA
Date Data Arrived at EDR: 09/29/2010	Telephone: 202-260-5521
Date Made Active in Reports: 12/02/2010	Last EDR Contact: 06/25/2013
Number of Days to Update: 64	Next Scheduled EDR Contact: 10/07/2013
	Data Release Frequency: Every 4 Years

## 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	Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	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	Source: EPA
Date Data Arrived at EDR: 04/16/2009	Telephone: 202-566-1667
Date Made Active in Reports: 05/11/2009	Last EDR Contact: 05/28/2013
Number of Days to Update: 25	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2007
Number of Days to Update: 40	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/01/2007	Telephone: 202-564-2501
Date Made Active in Reports: 04/10/2007	Last EDR Contact: 12/17/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/17/2008
	Data Release Frequency: No Update Planned

## 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	Source: EPA
Date Data Arrived at EDR: 12/10/2010	Telephone: 202-564-4203
Date Made Active in Reports: 02/25/2011	Last EDR Contact: 04/29/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 08/12/2013
	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: 07/20/2011	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/10/2011	Telephone: 202-564-5088
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 04/15/2013
Number of Days to Update: 61	Next Scheduled EDR Contact: 07/29/2013
	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: 11/01/2012	Source: EPA
Date Data Arrived at EDR: 01/16/2013	Telephone: 202-566-0500
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/19/2013
Number of Days to Update: 114	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### 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: 03/14/2013	Source: Nuclear Regulatory Commission
Date Data Arrived at EDR: 03/20/2013	Telephone: 301-415-7169
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 07/10/2013
Number of Days to Update: 112	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

### 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.

Date of Government Version: 04/09/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 04/11/2013	Telephone: 202-343-9775
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 04/11/2013
Number of Days to Update: 29	Next Scheduled EDR Contact: 07/22/2013
	Data Release Frequency: Quarterly

### 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: 03/08/2013	Source: EPA
Date Data Arrived at EDR: 03/21/2013	Telephone: (215) 814-5000
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 06/13/2013
Number of Days to Update: 111	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Quarterly

### 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

### RMP: Risk Management Plans



## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 05/08/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 05/25/2012	Telephone: 202-564-8600
Date Made Active in Reports: 07/10/2012	Last EDR Contact: 04/29/2013
Number of Days to Update: 46	Next Scheduled EDR Contact: 08/12/2013
	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: 12/31/2011	Source: EPA/NTIS
Date Data Arrived at EDR: 02/26/2013	Telephone: 800-424-9346
Date Made Active in Reports: 04/19/2013	Last EDR Contact: 05/30/2013
Number of Days to Update: 52	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Biennially

### 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: 04/19/2013
Number of Days to Update: 34	Next Scheduled EDR Contact: 07/29/2013
	Data Release Frequency: Semi-Annually

### 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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/09/2011	Telephone: 615-532-8599
Date Made Active in Reports: 05/02/2011	Last EDR Contact: 05/06/2013
Number of Days to Update: 54	Next Scheduled EDR Contact: 08/05/2013
	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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LEAD SMELTER 1: Lead Smelter Sites

A listing of former lead smelter site locations.

Date of Government Version: 01/29/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/14/2013	Telephone: 703-603-8787
Date Made Active in Reports: 02/27/2013	Last EDR Contact: 07/03/2013
Number of Days to Update: 13	Next Scheduled EDR Contact: 10/21/2013
	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: 08/17/2010	Source: Environmental Protection Agency
Date Data Arrived at EDR: 01/03/2011	Telephone: N/A
Date Made Active in Reports: 03/21/2011	Last EDR Contact: 06/14/2013
Number of Days to Update: 77	Next Scheduled EDR Contact: 09/23/2013
	Data Release Frequency: Varies

## COAL ASH DOE: Steam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005	Source: Department of Energy
Date Data Arrived at EDR: 08/07/2009	Telephone: 202-586-8719
Date Made Active in Reports: 10/22/2009	Last EDR Contact: 04/18/2013
Number of Days to Update: 76	Next Scheduled EDR Contact: 07/29/2013
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/19/2011	Telephone: 202-566-0517
Date Made Active in Reports: 01/10/2012	Last EDR Contact: 05/03/2013
Number of Days to Update: 83	Next Scheduled EDR Contact: 08/12/2013
	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: 03/04/2013	Source: Environmental Protection Agency
Date Data Arrived at EDR: 03/15/2013	Telephone: 202-566-1917
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 05/20/2013
Number of Days to Update: 56	Next Scheduled EDR Contact: 09/02/2013
	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.

Date of Government Version: 12/31/2012	Source: Environmental Protection Agency
Date Data Arrived at EDR: 02/18/2013	Telephone: 617-520-3000
Date Made Active in Reports: 05/10/2013	Last EDR Contact: 05/10/2013
Number of Days to Update: 81	Next Scheduled EDR Contact: 08/26/2013
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## US AIRS MINOR: Air Facility System Data

A listing of minor source facilities.

Date of Government Version: 01/23/2013  
Date Data Arrived at EDR: 01/30/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 06/25/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Annually

## 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.

Date of Government Version: 01/23/2013  
Date Data Arrived at EDR: 01/30/2013  
Date Made Active in Reports: 05/10/2013  
Number of Days to Update: 100

Source: EPA  
Telephone: 202-564-5962  
Last EDR Contact: 06/25/2013  
Next Scheduled EDR Contact: 10/14/2013  
Data Release Frequency: Annually

## 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: 11/11/2011  
Date Data Arrived at EDR: 05/18/2012  
Date Made Active in Reports: 05/25/2012  
Number of Days to Update: 7

Source: Environmental Protection Agency  
Telephone: 703-308-4044  
Last EDR Contact: 05/17/2013  
Next Scheduled EDR Contact: 08/26/2013  
Data Release Frequency: Varies

## 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: 04/19/2013  
Next Scheduled EDR Contact: 07/29/2013  
Data Release Frequency: N/A

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 12/18/2012  
Date Data Arrived at EDR: 04/04/2013  
Date Made Active in Reports: 07/10/2013  
Number of Days to Update: 97

Source: EPA  
Telephone: 202-564-6023  
Last EDR Contact: 07/03/2013  
Next Scheduled EDR Contact: 10/14/2013  
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

## EDR US Hist Auto Stat: EDR Exclusive Historic Gas Stations

EDR has searched selected national collections of business directories and has collected listings of potential gas station/filling station/service station sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include gas station/filling station/service station establishments. The categories reviewed included, but were not limited to gas, gas station, gasoline station, filling station, auto, automobile repair, auto service station, service station, etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

## EDR US Hist Cleaners: EDR Exclusive Historic Dry Cleaners

EDR has searched selected national collections of business directories and has collected listings of potential dry cleaner sites that were available to EDR researchers. EDR's review was limited to those categories of sources that might, in EDR's opinion, include dry cleaning establishments. The categories reviewed included, but were not limited to dry cleaners, cleaners, laundry, laundromat, cleaning/laundry, wash & dry etc. This database falls within a category of information EDR classifies as "High Risk Historical Records", or HRHR. EDR's HRHR effort presents unique and sometimes proprietary data about past sites and operations that typically create environmental concerns, but may not show up in current government records searches.

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: Varies

## EDR US Hist Cleaners: EDR Proprietary Historic Dry Cleaners - Cole

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: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

## EDR US Hist Auto Stat: EDR Proprietary Historic Gas Stations - Cole

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: N/A  
Telephone: N/A  
Last EDR Contact: N/A  
Next Scheduled EDR Contact: N/A  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 05/20/2013	Source: Department of Energy & Environmental Protection
Date Data Arrived at EDR: 05/21/2013	Telephone: 860-424-3375
Date Made Active in Reports: 06/27/2013	Last EDR Contact: 05/21/2013
Number of Days to Update: 37	Next Scheduled EDR Contact: 09/02/2013
	Data Release Frequency: Annually

### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 08/28/2012	Last EDR Contact: 04/19/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 07/29/2013
	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: 05/01/2013	Source: Department of Environmental Conservation
Date Data Arrived at EDR: 05/09/2013	Telephone: 518-402-8651
Date Made Active in Reports: 07/10/2013	Last EDR Contact: 05/09/2013
Number of Days to Update: 62	Next Scheduled EDR Contact: 08/19/2013
	Data Release Frequency: Annually

### PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Environmental Protection
Date Data Arrived at EDR: 07/23/2012	Telephone: 717-783-8990
Date Made Active in Reports: 09/18/2012	Last EDR Contact: 04/23/2013
Number of Days to Update: 57	Next Scheduled EDR Contact: 08/05/2013
	Data Release Frequency: Annually

### RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 12/31/2011	Source: Department of Environmental Management
Date Data Arrived at EDR: 06/22/2012	Telephone: 401-222-2797
Date Made Active in Reports: 07/31/2012	Last EDR Contact: 05/28/2013
Number of Days to Update: 39	Next Scheduled EDR Contact: 09/09/2013
	Data Release Frequency: Annually

### WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2011	Source: Department of Natural Resources
Date Data Arrived at EDR: 07/19/2012	Telephone: N/A
Date Made Active in Reports: 09/27/2012	Last EDR Contact: 06/28/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 09/30/2013
	Data Release Frequency: Annually

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: Rextag Strategies Corp.

Telephone: (281) 769-2247

U.S. Electric Transmission and Power Plants Systems Digital GIS Data

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: Child Care Facilities

Source: Department of Health

Telephone: 202-442-5888

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 and 2005 from the U.S. Fish and Wildlife Service.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.

## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

BUZZARD POINT  
S STREET SW/1ST STREET SW  
WASHINGTON, DC 20024

### TARGET PROPERTY COORDINATES

Latitude (North): 38.8683 - 38° 52' 5.88"  
Longitude (West): 77.0121 - 77° 0' 43.56"  
Universal Tranverse Mercator: Zone 18  
UTM X (Meters): 325434.0  
UTM Y (Meters): 4303878.0  
Elevation: 21 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map: 38077-G1 ALEXANDRIA, VA DC MD  
Most Recent Revision: 1994

North Map: 38077-H1 WASHINGTON WEST, DC MD VA  
Most Recent Revision: 1983

Northeast Map: 38076-H8 WASHINGTON EAST, DC MD  
Most Recent Revision: 1982

East Map: 38076-G8 ANACOSTIA, DC MD  
Most Recent Revision: 1982

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).

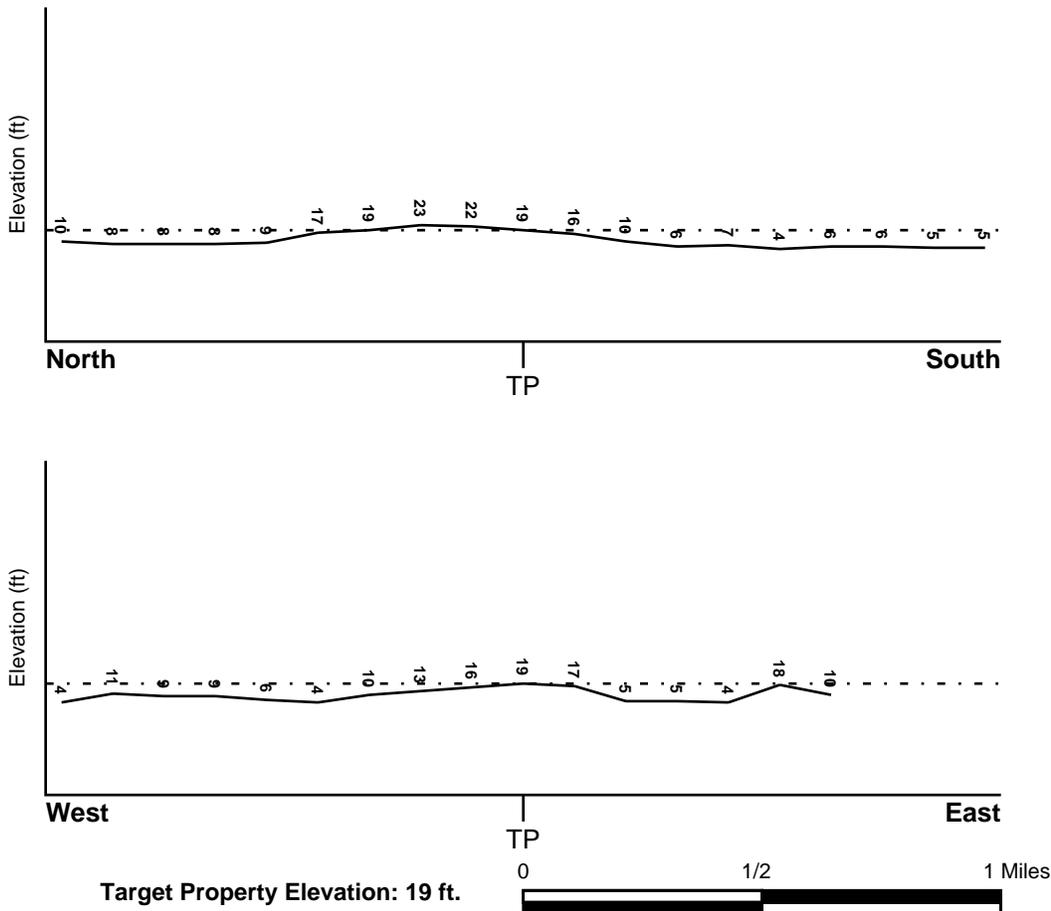
## TOPOGRAPHIC INFORMATION

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> WASHINGTON, DC	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	1100010025B - FEMA Q3 Flood data
Additional Panels in search area:	1100010030B - FEMA Q3 Flood data

## 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
Location Relative to TP:	1/4 - 1/2 Mile NW
Site Name:	Usa Ft Mcnair
Site EPA ID Number:	DC8210021004
Groundwater Flow Direction:	NOT AVAILABLE.
Inferred Depth to Water:	1.5 meters to 3 meters.
Hydraulic Connection:	Information is not available about the hydraulic connection between aquifers underlying the site.
Sole Source Aquifer:	No information about a sole source aquifer is available
Data Quality:	Information is inferred in the CERCLIS investigation report(s)

## 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.

No detail available.

## 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

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
---------------	----------------	-------------------------

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
1	USGS40000230780	1/4 - 1/2 Mile NE
2	USGS40000230831	1/2 - 1 Mile SSE

### 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.

# PHYSICAL SETTING SOURCE MAP - 03660997.2r



- 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: Buzzard Point  
 ADDRESS: S Street SW/1st Street SW  
 Washington DC 20024  
 LAT/LONG: 38.8683 / 77.0121

CLIENT: Haley & Aldrich, Inc.  
 CONTACT: Kristen Wright-Ng  
 INQUIRY #: 03660997.2r  
 DATE: July 10, 2013 4:27 pm

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**1**  
**NE**  
**1/4 - 1/2 Mile**  
**Lower**

**FED USGS      USGS40000230780**

Org. Identifier:	USGS-MD		
Formal name:	USGS Maryland Water Science Center		
Monloc Identifier:	USGS-385219077002201		
Monloc name:	AX Ac 1		
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:	38.8719444
Longitude:	-77.0061111	Sourcemap scale:	24000
Horiz Acc measure:	1	Horiz Acc measure units:	seconds
Horiz Collection method:	Global positioning system (GPS), uncorrected		
Horiz coord refsys:	NAD83	Vert measure val:	13.49
Vert measure units:	feet	Vertacc measure val:	.04
Vert accmeasure units:	feet		
Vertcollection method:	Differential Global Positioning System (GPS)r		
Vert coord refsys:	NAVD88	Countrycode:	US
Aquifername:	Not Reported		
Formation type:	Quaternary Alluvium		
Aquifer type:	Unconfined single aquifer		
Construction date:	20040410	Welldepth:	20
Welldepth units:	ft	Wellholedepth:	20
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 0

**2**  
**SSE**  
**1/2 - 1 Mile**  
**Higher**

**FED USGS      USGS40000230831**

Org. Identifier:	USGS-VA		
Formal name:	USGS Virginia Water Science Center		
Monloc Identifier:	USGS-385128077001601		
Monloc name:	54U 2C		
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:	38.8578903
Longitude:	-77.0041425	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:	20.00
Vert measure units:	feet	Vertacc measure val:	10
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:	398
Construction date:	Not Reported	Wellholedepth:	398
Welldepth units:	ft		
Wellholedepth units:	ft		

Ground-water levels, Number of Measurements: 484

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1970-05-28	3.45		1970-05-28	3.45	
1970-05-01	19.74		1970-05-01	19.74	
1970-03-02	42.18		1970-03-02	42.18	
1970-01-27	25.09		1970-01-27	25.09	
1969-12-01	48.05		1969-12-01	48.05	
1969-10-28	46.62		1969-10-28	46.62	
1969-09-29	39.66		1969-09-29	39.66	
1969-08-27	26.14		1969-08-27	26.14	
1969-07-31	35.10		1969-07-31	35.10	
1969-06-27	49.33		1969-06-27	49.33	
1969-05-28	48.80		1969-05-28	48.80	
1969-04-30	48.36		1969-04-30	48.36	
1969-03-27	48.03		1969-03-27	48.03	
1969-02-27	47.45		1969-02-27	47.45	
1969-01-27	46.14		1969-01-27	46.14	
1969-01-02	44.18		1969-01-02	44.18	
1968-10-30	49.79		1968-10-30	49.79	
1968-09-26	50.49		1968-09-26	50.49	
1968-08-26	51.50		1968-08-26	51.50	
1968-07-29	49.45		1968-07-29	49.45	
1968-06-27	47.61		1968-06-27	47.61	
1968-05-29	47.11		1968-05-29	47.11	
1968-04-29	47.41		1968-04-29	47.41	
1968-03-26	46.79		1968-03-26	46.79	
1968-02-26	47.28		1968-02-26	47.28	
1968-01-28	47.41		1968-01-28	47.41	
1967-12-26	47.52		1967-12-26	47.52	
1967-11-28	47.93		1967-11-28	47.93	
1967-10-27	48.18		1967-10-27	48.18	
1967-09-27	48.61		1967-09-27	48.61	
1967-08-29	49.00		1967-08-29	49.00	
1967-07-28	48.14		1967-07-28	48.14	
1967-06-26	46.99		1967-06-26	46.99	
1967-06-01	46.25		1967-06-01	46.25	
1967-04-28	46.09		1967-04-28	46.09	
1967-04-03	46.25		1967-04-03	46.25	
1967-02-27	46.64		1967-02-27	46.64	
1967-01-31	47.03		1967-01-31	47.03	
1966-12-30	47.09		1966-12-30	47.09	
1966-12-01	47.43		1966-12-01	47.43	
1966-11-01	47.89		1966-11-01	47.89	
1966-10-03	48.88		1966-10-03	48.88	
1966-08-30	48.94		1966-08-30	48.94	
1966-08-01	47.52		1966-08-01	47.52	
1966-07-01	45.45		1966-07-01	45.45	
1966-06-01	44.26		1966-06-01	44.26	
1966-05-04	44.41		1966-05-04	44.41	
1966-04-04	44.93		1966-04-04	44.93	
1965-12-30	46.26		1965-12-30	46.26	
1965-12-01	46.77		1965-12-01	46.77	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1965-08-31	48.04		1965-08-31	48.04	
1965-07-30	47.02		1965-07-30	47.02	
1965-06-29	45.81		1965-06-29	45.81	
1965-06-02	44.79		1965-06-02	44.79	
1965-04-30	44.32		1965-04-30	44.32	
1965-03-31	44.41		1965-03-31	44.41	
1965-02-04	44.76		1965-02-04	44.76	
1964-12-30	45.19		1964-12-30	45.19	
1964-11-30	45.67		1964-11-30	45.67	
1964-10-29	45.86		1964-10-29	45.86	
1964-10-06	46.21		1964-10-06	46.21	
1964-09-03	46.13		1964-09-03	46.13	
1964-07-31	45.06		1964-07-31	45.06	
1964-06-29	43.36		1964-06-29	43.36	
1964-06-01	41.83		1964-06-01	41.83	
1964-05-01	40.62		1964-05-01	40.62	
1964-04-02	40.98		1964-04-02	40.98	
1964-02-28	41.01		1964-02-28	41.01	
1964-02-03	41.57		1964-02-03	41.57	
1963-12-30	42.39		1963-12-30	42.39	
1963-12-02	42.98		1963-12-02	42.98	
1963-10-25	43.84		1963-10-25	43.84	
1963-10-02	43.51		1963-10-02	43.51	
1963-08-30	43.60		1963-08-30	43.60	
1963-07-31	41.87		1963-07-31	41.87	
1963-06-28	39.14		1963-06-28	39.14	
1963-05-29	38.45		1963-05-29	38.45	
1963-05-01	38.59		1963-05-01	38.59	
1963-03-29	38.76		1963-03-29	38.76	
1963-03-01	38.87		1963-03-01	38.87	
1963-02-01	39.53		1963-02-01	39.53	
1963-01-03	39.99		1963-01-03	39.99	
1962-11-30	41.28		1962-11-30	41.28	
1962-10-31	42.32		1962-10-31	42.32	
1962-10-02	43.57		1962-10-02	43.57	
1962-08-31	43.26		1962-08-31	43.26	
1962-07-31	42.24		1962-07-31	42.24	
1962-06-29	40.98		1962-06-29	40.98	
1962-06-01	39.72		1962-06-01	39.72	
1962-04-30	39.32		1962-04-30	39.32	
1962-03-30	39.85		1962-03-30	39.85	
1962-02-27	40.34		1962-02-27	40.34	
1962-01-31	41.15		1962-01-31	41.15	
1961-12-29	42.00		1961-12-29	42.00	
1961-12-01	43.16		1961-12-01	43.16	
1961-10-31	44.51		1961-10-31	44.51	
1961-10-02	45.18		1961-10-02	45.18	
1961-09-01	44.71		1961-09-01	44.71	
1961-07-28	43.38		1961-07-28	43.38	
1961-06-29	41.94		1961-06-29	41.94	
1961-05-29	41.71		1961-05-29	41.71	
1961-05-01	41.71		1961-05-01	41.71	
1961-03-31	43.08		1961-03-31	43.08	
1961-03-01	44.84		1961-03-01	44.84	
1961-02-01	46.19		1961-02-01	46.19	



## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1960-12-01	49.79		1960-12-01	49.79	
1960-10-31	50.62		1960-10-31	50.62	
1960-09-30	50.02		1960-09-30	50.02	
1960-08-31	46.85		1960-08-31	46.85	
1960-08-02	45.51		1960-08-02	45.51	
1960-06-30	43.98		1960-06-30	43.98	
1960-06-01	42.95		1960-06-01	42.95	
1960-05-04	42.88		1960-05-04	42.88	
1960-04-04	42.83		1960-04-04	42.83	
1960-02-29	44.51		1960-02-29	44.51	
1960-02-02	45.26		1960-02-02	45.26	
1959-04-01	41.73		1959-04-01	41.73	
1959-02-27	40.81		1959-02-27	40.81	
1959-02-02	41.89		1959-02-02	41.89	
1958-12-31	42.72		1958-12-31	42.72	
1958-12-03	43.83		1958-12-03	43.83	
1958-10-31	45.08		1958-10-31	45.08	
1958-10-01	46.59		1958-10-01	46.59	
1958-09-30	46.07		1958-09-30	46.07	
1958-09-03	46.95		1958-09-03	46.95	
1958-07-31	46.24		1958-07-31	46.24	
1958-06-30	45.51		1958-06-30	45.51	
1958-05-29	45.33		1958-05-29	45.33	
1958-03-31	46.53		1958-03-31	46.53	
1958-02-28	47.22		1958-02-28	47.22	
1958-01-31	48.20		1958-01-31	48.20	
1958-01-02	49.61		1958-01-02	49.61	
1957-12-09	50.55		1957-12-09	50.55	
1957-10-31	53.37		1957-10-31	53.37	
1957-09-30	56.37		1957-09-30	56.37	
1957-09-03	55.26		1957-09-03	55.26	
1957-07-31	53.13		1957-07-31	53.13	
1957-07-01	49.41		1957-07-01	49.41	
1957-05-31	45.46		1957-05-31	45.46	
1957-05-01	44.71		1957-05-01	44.71	
1957-04-01	45.31		1957-04-01	45.31	
1957-03-01	45.71		1957-03-01	45.71	
1957-01-31	46.71		1957-01-31	46.71	
1956-12-31	47.36		1956-12-31	47.36	
1956-12-11	48.11		1956-12-11	48.11	
1956-10-08	50.71		1956-10-08	50.71	
1956-08-31	50.31		1956-08-31	50.31	
1956-08-01	49.49		1956-08-01	49.49	
1956-04-26	46.80		1956-04-26	46.80	
1956-03-01	47.66		1956-03-01	47.66	
1956-01-31	48.71		1956-01-31	48.71	
1956-01-18	48.60		1956-01-18	48.60	
1955-11-03	50.45		1955-11-03	50.45	
1955-08-31	49.99		1955-08-31	49.99	
1955-08-04	48.89		1955-08-04	48.89	
1955-07-01	46.51		1955-07-01	46.51	
1955-06-01	45.29		1955-06-01	45.29	
1955-05-06	45.04		1955-05-06	45.04	
1955-03-15	45.96		1955-03-15	45.96	
1955-02-16	46.51		1955-02-16	46.51	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1954-12-21	47.71		1954-12-21	47.71	
1954-11-16	48.42		1954-11-16	48.42	
1954-10-06	48.28		1954-10-06	48.28	
1954-09-07	47.51		1954-09-07	47.51	
1954-08-06	45.80		1954-08-06	45.80	
1954-04-30	40.99		1954-04-30	40.99	
1954-04-02	42.11		1954-04-02	42.11	
1954-03-02	42.86		1954-03-02	42.86	
1954-01-29	43.78		1954-01-29	43.78	
1954-01-19	43.71		1954-01-19	43.71	
1942-07-20	45.50		1942-07-20	45.50	
1942-07-03	45.72		1942-07-03	45.72	
1942-05-21	48.23		1942-05-21	48.23	
1942-04-21	45.41		1942-04-21	45.41	
1942-04-13	45.01		1942-04-13	45.01	
1942-04-06	45.77		1942-04-06	45.77	
1942-03-23	46.60		1942-03-23	46.60	
1942-03-16	46.46		1942-03-16	46.46	
1942-03-09	46.56		1942-03-09	46.56	
1942-03-02	46.36		1942-03-02	46.36	
1942-02-09	46.14		1942-02-09	46.14	
1942-02-02	46.13		1942-02-02	46.13	
1942-01-26	46.46		1942-01-26	46.46	
1942-01-05	46.45		1942-01-05	46.45	
1941-12-29	46.36		1941-12-29	46.36	
1941-12-22	46.53		1941-12-22	46.53	
1941-12-01	47.93		1941-12-01	47.93	
1941-11-17	49.01		1941-11-17	49.01	
1941-11-10	48.88		1941-11-10	48.88	
1941-11-03	49.51		1941-11-03	49.51	
1941-10-27	50.49		1941-10-27	50.49	
1941-10-20	50.54		1941-10-20	50.54	
1941-10-13	50.58		1941-10-13	50.58	
1941-09-29	51.16		1941-09-29	51.16	
1941-09-22	52.18		1941-09-22	52.18	
1941-09-08	48.30		1941-09-08	48.30	
1941-09-02	48.79		1941-09-02	48.79	
1941-08-25	48.74		1941-08-25	48.74	
1941-08-18	49.45		1941-08-18	49.45	
1941-07-14	47.48		1941-07-14	47.48	
1941-07-07	44.10		1941-07-07	44.10	
1941-06-30	42.95		1941-06-30	42.95	
1941-06-16	42.68		1941-06-16	42.68	
1941-06-02	41.75		1941-06-02	41.75	
1941-05-12	39.42		1941-05-12	39.42	
1941-04-26	37.77		1941-04-26	37.77	
1941-04-14	36.62		1941-04-14	36.62	
1941-04-07	36.36		1941-04-07	36.36	
1941-03-31	36.34		1941-03-31	36.34	
1941-03-24	36.44		1941-03-24	36.44	
1941-03-17	36.41		1941-03-17	36.41	
1941-03-03	36.86		1941-03-03	36.86	
1941-02-24	37.69		1941-02-24	37.69	
1941-02-17	37.88		1941-02-17	37.88	
1941-02-10	38.98		1941-02-10	38.98	

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Ground-water levels, continued.

Date	Feet below Surface	Feet to Sealevel	Date	Feet below Surface	Feet to Sealevel
1941-01-06	40.52		1941-01-06	40.52	
1940-12-30	39.52		1940-12-30	39.52	
1940-11-25	40.66		1940-11-25	40.66	
1940-11-04	41.14		1940-11-04	41.14	
1940-10-21	41.19		1940-10-21	41.19	
1940-09-23	41.49		1940-09-23	41.49	
1940-08-30	40.34		1940-08-30	40.34	
1940-08-19	39.94		1940-08-19	39.94	
1940-08-05	39.27		1940-08-05	39.27	
1940-07-22	39.60		1940-07-22	39.60	
1940-07-08	40.06		1940-07-08	40.06	
1940-06-27	40.52		1940-06-27	40.52	
1940-06-05	42.46		1940-06-05	42.46	
1940-05-29	43.06		1940-05-29	43.06	
1940-05-22	43.86		1940-05-22	43.86	
1940-05-15	44.89		1940-05-15	44.89	
1940-05-08	45.81		1940-05-08	45.81	
1940-05-01	46.64		1940-05-01	46.64	
1940-04-23	47.77		1940-04-23	47.77	
1940-04-17	48.95		1940-04-17	48.95	
1940-04-10	50.07		1940-04-10	50.07	
1940-04-03	51.48		1940-04-03	51.48	
1940-03-27	52.90		1940-03-27	52.90	
1940-03-20	54.01		1940-03-20	54.01	
1940-03-13	55.68		1940-03-13	55.68	
1940-03-06	57.20		1940-03-06	57.20	
1940-02-29	59.00		1940-02-29	59.00	

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 20024

Number of sites tested: 92.

Maximum Radon Level: 37.4 pCi/L.

Minimum Radon Level: 0.2 pCi/L.

<u>pCi/L</u> <u>&lt;4</u>	<u>pCi/L</u> <u>4-10</u>	<u>pCi/L</u> <u>10-20</u>	<u>pCi/L</u> <u>20-50</u>	<u>pCi/L</u> <u>50-100</u>	<u>pCi/L</u> <u>&gt;100</u>
86 (93.48%)	4 (4.35%)	0 (0.00%)	2 (2.17%)	0 (0.00%)	0 (0.00%)

# 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.

### Scanned Digital USGS 7.5' Topographic Map (DRG)

Source: United States Geologic Survey

A digital raster graphic (DRG) is a scanned image of a U.S. Geological Survey topographic map. The map images are made by scanning published paper maps on high-resolution scanners. The raster image is georeferenced and fit to the Universal Transverse Mercator (UTM) projection.

## 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 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> 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.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, 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.

## OTHER STATE DATABASE INFORMATION

### 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

## STREET AND ADDRESS INFORMATION

© 2010 Tele Atlas North America, Inc. All rights reserved. This material is proprietary and the subject of copyright protection and other intellectual property rights owned by or licensed to Tele Atlas North America, Inc. The use of this material is subject to the terms of a license agreement. You will be held liable for any unauthorized copying or disclosure of this material.



Vincent C. Gray  
Mayor

GOVERNMENT OF THE DISTRICT OF COLUMBIA  
D.C. FIRE AND EMERGENCY MEDICAL SERVICES DEPARTMENT



Kenneth B. Ellerbe  
Fire and EMS Chief

*Sent via email to: kholland@haleyaldrich.com*

December 27, 2013

Haley  
7926 Jones Branch Drive, Suite 870  
McLean, VA 22102  
Attention: Kelly Holland

Dear Sir/Madam:

In my official capacity as Freedom of Information Act (“FOIA”) Officer for the District of Columbia Fire and EMS Department (“FEMS”), I hereby acknowledge that I received your FOIA request on July 12, 2013 for documents related to:

- **Properties on Potomac Avenue & 1<sup>st</sup> Street, SW**

Your request is attached to this letter. This letter both acknowledges and responds to your request. The District of Columbia Fire and EMS Department response to your FOIA request is due within fifteen business days or by August 2, 2013; however your response is being disseminated on December 27, 2013. Under FOIA, FEMS is required to make available documents that exist, but the department is not required to create documents to answer a question or to pull together information in a specific format. In addition, FEMS’s responsibility under FOIA extends only to those public documents which the department maintains and does not extend to public documents which may be maintained by other District of Columbia agencies.

Please be advised as follows: (1) Shakira Pleasant, FOIA Officer for the DC Fire and EMS Department, is the public official responsible for granting or denying your request; (2) in accordance with D.C. Official Code § 2-532 (a-1), this FOIA request is partially being granted and the documents responsive to your request are attached; and (3) if you so choose, you have the right to treat the delay as a denial of your request and appeal this decision to the Mayor, or his designee, or to the Superior Court of the District of Columbia as provided in D.C. Official Code § 2-537(a) and (a-1).

Appeal rights are attached to this correspondence. If you have any questions about this response to your FOIA request, please contact me at (202) 673-3397.

Sincerely yours,

Shakira Pleasant



**FOIA/PRA Request**

# FOIA for properties on Poto...

Request Number 13-0262 Request Status Active - One Office Respond By

**General**

**Tracking Information**

<b>Request Number</b>	13-0262	<b>Request Status</b>	Active - One Office	<b>Respond By</b>	8/2/2
<b>Date of Request</b>	7/24/2013	<b>If Closed - Other, specify reason</b>		<b>Date Closed</b>	
<b>Date Request Recv'd</b>	7/12/2013	<b>If Imperfect, Date Notice Sent</b>		<b>Appeal Due Date</b>	

**Key Dates**

<b>Acknowledgement Letter Sent</b>	<b>Records Made Avail. to Requestor</b>
<b>Days to Acknowledge</b>	<b>Days to Close</b>

**Requestor Information - (Click name for additional details)**

<b>Requestor</b>	Karin Holland	<b>E-Mail</b>	kholland@haleyaldrich.com
<b>Requesting Organization</b>	Haley	<b>Primary Phone</b>	858-531-1675
<b>Fee Category</b>	Commercial Use		

**Request Details**

<b>Request Type</b>	Freedom of Information Act	<b>Track</b>	Track I - Simple
<b>Short Description</b>	FOIA for properties on Potomac Avenue & 1st Street SW		
<b>Request Details</b>	Dear Sir or Madam,		



**Description of Documents Sent** Please could you provide me all available records on the following properties under the Freedom of Inform  
 - 100 S Street, SW  
 - 180 S Street, SW  
 - 1714 2nd St., SW  
 - 1812 Half St., SW

**Document Location** K:\foia\

**Intake Method** Web **Requested Delivery Method** Email

**Additional Details**

**Is this a Referral?** No **Consultation Only** No **Is this an Appeal?** No

**Referral Direction** **Consult Response To** **Has Additional Documents?** No

**Referred To/From**

**Extension Information**

**Extension Reason** **Extension Letter Sent**

**Expedited Request Information**

**Expedited Processing Requested** No **Reason for Expediting** **Expedited Processing Approved** No

**Reason for Expedited Processing Denial**  
**Citizen's Justification for Expediting**

**Date of Decision on Expediting Request** **Days to Adjudicate Expedited Processing**

**Fee Waiver**

**Agrees to Pay Fees** Yes **Fee Waiver Requested** No **Fee Waiver Granted**



# Incident Report

Washington DC Fire & EMS Department

2011-0121504 -000

Narratives	
Author	
Author Rank	SGT
Author Assignment	1
Narrative Text	Nothing found

End of Report



District of Columbia Fire & EMS Department  
 Fire Prevention Division  
 1100 4th Street SW, Suite: E-700  
 Washington, D.C. 20024-4451



**RI2-Reinspection-2 Assigned To GODFREY, Brian on 11/26/2013**

**Start Date:**  
**Business Name:** BIG BEAR CAFE  
**Address:** 1700 1ST ST NE  
**City/State/Zip:** WASHINGTON, DC 20001

**Finish Date:**  
**Occupancy ID:**  
**Station No.:**  
**Business Phone:**

<u>Complex Info</u>	<u>Main Floor</u>	<u>Stories</u>	<u>Estimated Values</u>
Commercial Units: 0	Length: 0	Above Grade: 0	Property: \$0.00
Residential Units: 0	Width: 0	Below Grade: 1	Content: \$0.00
Complex Type: 4	Area: 0	Upper Construction: -	
Complex:	Construction: -		

An authorized representative of the Fire Chief of the District of Columbia Fire and EMS Department has observed the following violation(s) of the District of Columbia Fire Prevention Code at your premises.

**ALL VIOLATIONS MUST BE ABATED IMMEDIATELY**

<u>Violations</u>	<u>Date Found</u>	<u>Date Cleared</u>	<u>Standard/Reference</u>
-------------------	-------------------	---------------------	---------------------------

**2006 IFC CH 03**

**304.1.1 WASTE MATERIAL**

**06/10/2013**

**11/26/2013**

{IFC 2006 International Code set}

304.1.1 - Waste material.: Accumulations of wastepaper, wood, hay, straw, weeds, litter or combustible or flammable waste or rubbish of any type shall not be permitted to remain on a roof or in any court, yard, vacant lot, alley, parking lot, open space, or beneath a grandstand, bleacher, pier, wharf, manufactured home, recreational vehicle or other similar structure.

**2006 IFC CH 06**

**605.3 WORKING SPACE & CLEARANCE**

**06/10/2013**

**11/26/2013**

{IFC 2006 International Code set}

605.3 - Working space and clearance.: A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided in front of electrical service equipment. Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.

Exceptions:

1. Where other dimensions are required or allowed by the ICC Electrical Code.

2. Access openings into attics or under-floor areas which provide a minimum clear opening of 22 inches (559 mm) by 30 inches (762 mm).

**605.5 EXTENSION CORDS**

**06/10/2013**

**11/26/2013**

{IFC 2006 International Code set}

605.5 - Extension cords.: Extension cords and flexible cords shall not be a substitute for permanent wiring. Extension cords and flexible cords shall not be affixed to structures, extended through walls, ceilings or floors, or under doors or floor coverings, nor shall such cords be subject to environmental damage or physical impact. Extension cords shall be used only with portable appliances.

**ABATED**

**ALL VIOLATIONS ABATED**

**11/26/2013**

**APPROVAL GIVEN**

**APPROVAL GIVEN**

**11/26/2013**

RI2-Reinspection-2 Assigned To GODFREY, Brian on 11/26/2013

**Start Date:**  
**Business Name:** BIG BEAR CAFE  
**Address:** 1700 1ST ST NE  
**City/State/Zip:** WASHINGTON, DC 20001

**Finish Date:**  
**Occupancy ID:**  
**Station No.:**  
**Business Phone:**

**Comment:** No violations at this time. Approval given

BB0E62C41D194

**PENALTIES-SECTION 112  
FAILURE TO COMPLY WITH THE  
DISTRICT OF COLUMBIA FIRE CODE**

F-112.3 Penalty for Violations: Any person, firm or corporation violating any of the provisions of this code or failing to comply with any order issued pursuant to any section thereof, upon conviction thereof shall be punished by a fine of not more than three hundred dollars (\$300) or imprisonment for not more than ninety (90) days, or both. Each day that a violation continues, after a service of notice as provided in this code, shall be deemed a separate offense.

F-112.4 Civil Infractions: Civil fines, penalties, and fees may be imposed as alternative sanctions for any infraction of the provisions of this code, or any rules or regulations issued under authority of this code or pursuant to Title I-III of the Department of Consumer and Regulatory Affairs Civil Infractions Act of 1985, D.C. Law 6-42, D.C. Code sec.6-2700 et seq.

**(NOTICE)**

Notwithstanding the existence of the above penalties, any violation or attempted violation of this code may be restrained, corrected or abated, as the case may be, by injunction or other appropriate proceeding.

**SECTION 113 APPEALS**

**DCMR 12H F-113.1 Right of Appeal.** Any person directly affected by a notice or order issued under this *Fire Prevention Code* shall have the right to appeal to the Office of Administrative Hearings, pursuant to the Office of Administrative Hearings Act, effective March 6, 2002 (D.C. Law 14-76; D.C. Official Code §2-1831.01 *et seq.* and regulations promulgated thereunder. The appeal shall be filed within ten (10) days of the date of service of the notice or order. An appeal shall be based on a claim that the true intent of this code has been incorrectly interpreted, the provisions of the code do not fully apply, or the requirements of this code are adequately satisfied by other means. Appeals of notices (other than notices pursuant to Section F-110H (Unsafe Conditions) or section F-111H (Emergency Measures) shall stay the enforcement of the notice until the appeal is heard by the Office of Administrative Hearings.

Failure to remedy said violations will subject you to the penalties as prescribed by Section 112.2 and F-112.3 of the International Fire Code (2006) as amended by the D.C. Fire Prevention code Supplement (2008) (DCMR 12H) shall constitute the D.C. Fire Prevention Code (2008). If you do not understand any part of this notice, please contact this office at (202) 727-1600





District of Columbia Fire & EMS Department  
 Fire Prevention Division  
 1100 4th Street SW, Suite: E-700  
 Washington, D.C. 20024-4451



**General Inspection (Commercial) Assigned To BRIMAGE, Ursula on 6/10/2013**

**Start Date:** 6/10/2013 12:00:00AM  
**Business Name:** BIG BEAR CAFE  
**Address:** 1700 1ST ST NE  
**City/State/Zip:** WASHINGTON, DC 20001

**Finish Date:** 6/10/2013 12:00:00AM  
**Occupancy ID:**  
**Station No.:**  
**Business Phone:**

<u>Complex Info</u>	<u>Main Floor</u>	<u>Stories</u>	<u>Estimated Values</u>
Commercial Units: 0	Length: 0	Above Grade: 0	Property: \$0.00
Residential Units: 0	Width: 0	Below Grade: 0	Content: \$0.00
Complex Type: 4	Area: 0	Upper Construction: -	
Complex:	Construction: -		

An authorized representative of the Fire Chief of the District of Columbia Fire and EMS Department has observed the following violation(s) of the District of Columbia Fire Prevention Code at your premises.

**ALL VIOLATIONS MUST BE ABATED IMMEDIATELY**

<u>Violations</u>	<u>Date Found</u>	<u>Date Cleared</u>	<u>Standard/Reference</u>
-------------------	-------------------	---------------------	---------------------------

**2006 IFC CH 03**

**315.2 STORAGE IN BUILDINGS**

**06/10/2013**

{IFC 2006 International Code set}

315.2 - Storage in buildings.: Storage of combustible materials in buildings shall be orderly. Storage shall be separated from heaters or heating devices by distance or shielding so that ignition cannot occur.

**304.1.1 WASTE MATERIAL**

**06/10/2013**

{IFC 2006 International Code set}

304.1.1 - Waste material.: Accumulations of wastepaper, wood, hay, straw, weeds, litter or combustible or flammable waste or rubbish of any type shall not be permitted to remain on a roof or in any court, yard, vacant lot, alley, parking lot, open space, or beneath a grandstand, bleacher, pier, wharf, manufactured home, recreational vehicle or other similar structure.

**2006 IFC CH 06**

**605.3 WORKING SPACE & CLEARANCE**

**06/10/2013**

{IFC 2006 International Code set}

605.3 - Working space and clearance.: A working space of not less than 30 inches (762 mm) in width, 36 inches (914 mm) in depth and 78 inches (1981 mm) in height shall be provided in front of electrical service equipment.

Where the electrical service equipment is wider than 30 inches (762 mm), the working space shall not be less than the width of the equipment. No storage of any materials shall be located within the designated working space.

Exceptions:

1. Where other dimensions are required or allowed by the ICC Electrical Code.

2. Access openings into attics or under-floor areas which provide a minimum clear opening of 22 inches (559 mm) by 30 inches (762 mm).

**605.5 EXTENSION CORDS**

**06/10/2013**

{IFC 2006 International Code set}

605.5 - Extension cords.: Extension cords and flexible cords shall not be a substitute for permanent wiring.

Extension cords and flexible cords shall not be affixed to structures, extended through walls, ceilings or floors, or under doors or floor coverings, nor shall such cords be subject to environmental damage or physical impact.

Extension cords shall be used only with portable appliances.

**2006 IFC CH 10**

General Inspection (Commercial) Assigned To BRIMAGE, Ursula on 6/10/2013

Start Date: 6/10/2013 12:00:00AM  
Business Name: BIG BEAR CAFE  
Address: 1700 1ST ST NE  
City/State/Zip: WASHINGTON, DC 20001

Finish Date: 6/10/2013 12:00:00AM  
Occupancy ID:  
Station No.:  
Business Phone:

<u>Violations</u>	<u>Date Found</u>	<u>Date Cleared</u>	<u>Standard/Reference</u>
-------------------	-------------------	---------------------	---------------------------

**1028.5 FURNISHINGS & DECORATIONS**

**06/10/2013**

{IFC 2006 International Code set}

1028.5 - Furnishings and decorations.: Furnishings, decorations or other objects shall not be placed so as to obstruct exits, access thereto, egress therefrom, or visibility thereof. Hangings and draperies shall not be placed over exit doors or otherwise be located to conceal or obstruct an exit. Mirrors shall not be placed on exit doors. Mirrors shall not be placed in or adjacent to any exit in such a manner as to confuse the direction of exit.

**1028.5 FURNISHINGS & DECORATIONS**

**06/10/2013**

{IFC 2006 International Code set}

1028.5 - Furnishings and decorations.: Furnishings, decorations or other objects shall not be placed so as to obstruct exits, access thereto, egress therefrom, or visibility thereof. Hangings and draperies shall not be placed over exit doors or otherwise be located to conceal or obstruct an exit. Mirrors shall not be placed on exit doors. Mirrors shall not be placed in or adjacent to any exit in such a manner as to confuse the direction of exit.

ED2A80F219192

**PENALTIES-SECTION 112  
FAILURE TO COMPLY WITH THE  
DISTRICT OF COLUMBIA FIRE CODE**

F-112.3 Penalty for Violations: Any person, firm or corporation violating any of the provisions of this code or failing to comply with any order issued pursuant to any section thereof, upon conviction thereof shall be punished by a fine of not more than three hundred dollars (\$300) or imprisonment for not more than ninety (90) days, or both. Each day that a violation continues, after a service of notice as provided in this code, shall be deemed a separate offense.

F-112.4 Civil Infractions: Civil fines, penalties, and fees may be imposed as alternative sanctions for any infraction of the provisions of this code, or any rules or regulations issued under authority of this code or pursuant to Title I-III of the Department of Consumer and Regulatory Affairs Civil Infractions Act of 1985, D.C. Law 6-42, D.C. Code sec.6-2700 et seq.

**(NOTICE)**

Notwithstanding the existence of the above penalties, any violation or attempted violation of this code may be restrained, corrected or abated, as the case may be, by injunction or other appropriate proceeding.

**SECTION 113 APPEALS**

**DCMR 12H F-113.1 Right of Appeal.** Any person directly affected by a notice or order issued under this *Fire Prevention Code* shall have the right to appeal to the Office of Administrative Hearings, pursuant to the Office of Administrative Hearings Act, effective March 6, 2002 (D.C. Law 14-76; D.C. Official Code §2-1831.01 *et seq.* and regulations promulgated thereunder. The appeal shall be filed within ten (10) days of the date of service of the notice or order. An appeal shall be based on a claim that the true intent of this code has been incorrectly interpreted, the provisions of the code do not fully apply, or the requirements of this code are adequately satisfied by other means. Appeals of notices (other than notices pursuant to Section F- 110H (Unsafe Conditions) or section F-111H (Emergency Measures) shall stay the enforcement of the notice until the appeal is heard by the Office of Administrative Hearings.

Failure to remedy said violations will subject you to the penalties as prescribed by Section 112.2 and F-112.3 of the International Fire Code (2006) as amended by the D.C. Fire Prevention code Supplement (2008) (DCMR 12H) shall constitute the D.C. Fire Prevention Code (2008). If you do not understand any part of this notice, please contact this office at (202) 727-1600



General Inspection (Commercial) Assigned To BRIMAGE, Ursula on 6/10/2013

**Start Date:** 6/10/2013 12:00:00AM  
**Business Name:** BIG BEAR CAFE  
**Address:** 1700 1ST ST NE  
**City/State/Zip:** WASHINGTON, DC 20001

**Finish Date:** 6/10/2013 12:00:00AM  
**Occupancy ID:**  
**Station No.:**  
**Business Phone:**

**Signature**

**Recipient:**

---

MR. stuart davenport

Unassigned

---

**Inspector**

---

Ursula Brimage

Inspector

---

(202) 727-1600 (office)

(202) 727-3238 (fax)

[www.fems.dc.gov](http://www.fems.dc.gov)

*“Fire Sprinklers and Smoke Alarms Save Lives”*

# GENERAL INFORMATION

## FOIA Request Response

Attached are copies of documents and/or records produced in response to a Freedom of Information Act (FOIA) request submitted to the Fire and EMS Department. Unless otherwise noted in this report, the documents and/or records attached represent a full and complete record in response to the request, as made known to the FOIA Officer by Department officials at the time this response was produced.

## Privacy

Information contained in certain documents and records may be redacted to protect the privacy of individuals. Such redaction may include names, addresses, telephone numbers or other information used for personal identification, when not pertinent to the nature of the FOIA request. Individual protected health information (PHI) shall be redacted from all requested records, unless the submitted request falls within the requirements of federal and District privacy laws allowing the release of PHI.

## Exemptions from FOIA Disclosure

The FOIA statute provides that certain categories of documents may be withheld from disclosure. Included among these are documents that relate to law-enforcement activities, documents subject to recognized legal privileges such as the attorney-client and work-product privileges, documents required to be withheld by other laws (federal or District), documents that reflect the internal deliberative processes of the government, and documents the disclosure of which would result in a clearly unwarranted intrusion on personal privacy. For a complete list of the exemptions, please see DC Official Code § 2-534.

## Appeals or Judicial Review of Denials

If you consider this response a denial of your FOIA request, you have the right to appeal to the Mayor or to the Superior Court of the District of Columbia (D.C. Official Code § 2-537 and 1 DCMR 412). If you elect to appeal to the Mayor, your appeal must be in writing and contain "Freedom of Information Act Appeal" or "FOIA Appeal" in the subject line of the letter as well as on the outside of the envelope. The appeal must include (1) a copy of the original request, (2) a copy of the Fire and EMS Department denial letter, (3) a statement of the circumstances, reasons, and or arguments advanced in support of disclosure, and (4) a daytime telephone number, and e-mail and/or U.S. Mail address at which you can be reached. The appeal must be mailed to:

### Mayor's Correspondence Unit

FOIA Appeal

1350 Pennsylvania Avenue, N.W., Suite 316

Washington, D.C. 20004.

Electronic versions of the same information can instead be e-mailed to the Mayor's Correspondence Unit at:

**[foia.mayor@dc.gov](mailto:foia.mayor@dc.gov)**

Further, a copy of all appeal materials must be forwarded to the Fire and EMS Department FOIA Officer. Failure to follow these administrative steps will result in delay in the processing and commencement of a response to your appeal to the Mayor.

**APPENDIX E**

**Site Photographs**

**PEPCO PARCELS AT BUZZARD POINT, SQUARE 0661, LOT 0805, SQUARE 0661, LOT 0804  
AND SQUARE 0665, LOT 0024  
WASHINGTON, DC  
File No. 40223-002  
Date Photographs Taken: 28 August 2013**

---



*Photo #1:* Location of former AST, Square 0661, Lot 0804



*Photo #2:* View from the south of concrete pad and location of former AST, Square 0661, Lot 0804

**PEPCO PARCELS AT BUZZARD POINT, SQUARE 0661, LOT 0805, SQUARE 0661, LOT 0804  
AND SQUARE 0665, LOT 0024  
WASHINGTON, DC  
File No. 40223-002  
Date Photographs Taken: 28 August 2013**

---



***Photo #13:*** Minor staining of concrete, southern portion of Square 0661, Lot 0804

**APPENDIX F**

**Geoprobe Reports & Observation Well Installation Reports**

Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 2  
 Start 27 June 2014  
 Finish 27 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 24 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel			Sand			Field Test			
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0		G1 45	0.0 5.0			SC	Brown clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist  PID = 0.0 ppm	15	15	15	20	15	25				
5		G2 41	5.0 10.0			CH	Yellow-brown fat CLAY with sand (CH), mps 0.42 mm, no structure, no odor, moist  PID = 0.0 ppm				5	15	80				
10		G3 60	10.0 15.0			CL	Yellow-brown sandy lean CLAY (CL), mps 0.42 mm, no structure, no odor, moist  PID = 0.0 ppm			5	15	30	50				
15		G4 60	15.0 20.0			CL	Similar to above, except contains gravel, mps 19 mm  PID = 0.0 ppm	5	10	5	10	20	50				

Water Level Data						Sample ID		Well Diagram		Summary		
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube		U - Undisturbed Sample	S - Split Spoon Sample	Overburden (ft)	Rock Cored (ft)
			Bottom of Casing	Bottom of Hole	Water							
6/27/14	09:23	--	25.0	25.0	23.0						23.0	--
6/27/14	13:05	3:32	23.0	23.0	16.7							5G

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

H&A-TEST BORING-07-1 HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT L:\WASHINGTON DC\40223-002\40223-002\_2014 TEST BORING LOGS.GPJ 8 Jul 14

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test				
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
20		G5 44	20.0 25.0			CL	Similar to above  PID = 0.0 ppm	5	15	10	20	10	40				
					23.0	SC	At 22.5 ft, yellow-brown and tan clayey SAND (SC), mps 19 mm, no structure, no odor, moist Refusal at 23.0 ft  BOTTOM OF EXPLORATION 23.0 FT	5	20	15	35	5	25				

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

**Boring No. GTW-661-24-1**



Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 2  
 Start 27 June 2014  
 Finish 27 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 800 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel			Sand			Field Test			
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
0		G1 50	0.0 5.0			CL	Yellow-brown sandy lean CLAY (CL), mps 0.42 mm, no structure, no odor, moist  PID = 0.0 ppm			10	15	35	40				
5		G2 51	5.0 10.0			CL	Similar to above  PID = 0.0 ppm			10	15	25	30				
10		G3 41	10.0 15.0			SC	From 10.0 to 11.5 ft, similar to above  At 11.5 ft, yellow-brown clayey SAND (SC), mps 2.0 mm, no structure, no odor, moist  PID = 0.0 ppm			15	20	40	25				
15		G4 41	15.0 20.0			SC	Similar to above  PID = 0.0 ppm			15	20	40	25				
20																	

Water Level Data						Sample ID		Well Diagram		Summary	
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Split Spoon Sample	Overburden (ft)	Rock Cored (ft)
			Bottom of Casing	Bottom of Hole	Water						
6/27/14	08:10	--	20.0	20.0	19.0					30.0	--
6/27/14	12:57	3:47	25.0	24.6	19.45						6G

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

**DRAFT**

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Well Diagram	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test				
								% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
20		G5 58	20.0 25.0				PID = 4.5 ppm			10	45	30	15				
25		G6 4	25.0 30.0			CL	Yellow-brown sandy lean CLAY (CL), mps 0.42 mm, no structure, no odor, moist  PID = 0.0 ppm										
30					30.0		Refusal at 30.0 ft  BOTTOM OF EXPLORATION 30.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

**Boring No. GTW-661-804-1**

Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 2  
 Start 26 June 2014  
 Finish 26 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 804 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION <small>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)</small>	Gravel						Sand			Field Test			
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength			
0		G1 54	0.0 5.0		CL	Yellow-brown sandy CLAY (CL), mps 19 mm, no structure, petroleum-like odor, moist  PID = 66.5 ppm	10	10	5	15	20	30							
5		G2 45	5.0 10.0		SC	From 5.0 to 6.0 ft, similar to above  Yellow-brown clayey SAND (SC), mps 4.75 mm, no structure, petroleum-like odor, moist  PID = 69.3 ppm			15	20	20	5	30						
10		G3 42	10.0 15.0		SC	Yellow-brown and gray clayey SAND (SC), mps 2.0 mm, no structure, petroleum-like odor, moist  Contains clay pocket at 11.0 ft  PID = 112 ppm	10	20	20	20	30								
15		G4 38	15.0 20.0		SC	Tan and yellow-brown clayey SAND (SC), mps 2.0 mm, no structure, minor petroleum-like odor, moist  Wet pocket at bottom 12 in. of spoon  PID = 3.9 ppm	10	20	20	20	30								

Water Level Data						Sample ID		Well Diagram		Summary									
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Split Spoon Sample	Riser Pipe	Screen	Filter Sand	Cuttings	Grout	Concrete	Bentonite Seal	Overburden (ft)	Rock Cored (ft)	Samples
			Bottom of Casing	Bottom of Hole	Water														
6/26/14	13:50	--	25.0	25.0	22.5												25.0	--	5G
6/27/14	12:26	23	25.0	20.1	18.4														

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

8 Jul 14  
 L:\WASHINGTON DC\40223-002\40223-002\_2014 TEST BORING LOGS.GPJ  
 HA-TB+CORE+WELL-07-1.GDT  
 HA-LIB09.GLB  
 H&A-TEST BORING-07-1

**DRAFT**

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test			
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
20		G5 3	20.0 25.0		SC	Gray and tan poorly graded clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist (spoon wet at bottom)  PID = 0.0 ppm	20	15	15	20	30				
25				25.0		Refusal at 25.0 ft  BOTTOM OF EXPLORATION 25.0 FT									

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

**Boring No. GTW-661-804-2**

Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 2  
 Start 26 June 2014  
 Finish 26 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 804 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel					Sand			Field Test				
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength			
0		G1 18	0.0 5.0		SC	Brown clayey SAND (SC), mps 19 mm, no structure, no odor, moist PID = 0.0 ppm		10	10	30	30	20							
5		G2 28	5.0 10.0		CH	Gray-brown fat CLAY with sand (CH), mps 2.0 mm, no structure, minor petroleum-like odor, moist PID = 8.8 ppm		5		5	20	70							
10		G3 42	10.0 15.0		CH	Brown fat CLAY with sand (CH), mps 19 mm, no structure, petroleum-like odor, moist PID = 30.8 ppm		5		5	20	70							
15		G4 20	15.0 20.0		SC	Light brown (bottom 12 in. of spoon black) clayey SAND with gravel (SC), mps 19 mm, no structure, petroleum-like odor, moist (wet pocket at bottom 12 in. of spoon) PID = 932 ppm	5	15	25	30	20	10							

Water Level Data						Sample ID		Well Diagram				Summary							
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Split Spoon Sample	Riser Pipe	Screen	Filter Sand	Cuttings	Grout	Concrete	Bentonite Seal	Overburden (ft)	Rock Cored (ft)	Samples
			Bottom of Casing	Bottom of Hole	Water														
6/26/14	11:57	--	30.0	30.0	30.0														
6/26/14	14:50	2:53	30.0	30.0	27.2														
6/27/14	12:37	25	--	26.45	19.0														

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.  
 Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

HA-TEST BORING-07-1 HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT L:\WASHINGTON DC\40223-002\40223-002\_2014 TEST BORING LOGS.GPJ 8 Jul 14

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test				
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
20		G5 38	20.0 25.0		SC	Gray-brown and tan clayey SAND with gravels (SC), mps 19 mm, no structure, petroleum-like odor, wet  PID = 344 ppm	15	10	20	30	20	15				
25		G6 24	25.0 30.0	25.0	GC	Gray-brown and yellow-brown clayey GRAVEL with sand (GC), mps 75 mm, no structure, minor petroleum-like odor, wet  Note: Well was offset and installed 3.0 ft east of staked location due to cave-in. Well installed at 28.0 ft.	15	30	10	15	5	15				
30		G7 60	30.0 35.0	30.0	CL	Gray-brown sandy lean CLAY (CL), mps 0.42 mm, no structure, no odor wet  PID = 0.0 ppm				10	25	65				
35				35.0		BOTTOM OF EXPLORATION 35.0 FT										

NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.

**Boring No. GTW-661-804-3**

Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 2  
 Start 26 June 2014  
 Finish 26 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 805 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION <small>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)</small>	Gravel					Sand					Field Test			
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength				
0		G1 45	0.0 5.0		SC	Tan clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist  PID = 0.7 ppm	15	15	20	20	30									
5		G2 43	5.0 10.0		CL	Yellow-brown sandy CLAY with gravel (CL), mps 19 mm, no structure, no odor, moist  PID = 0.0 ppm	5	15	25	30	25									
10		G3 46	10.0 15.0		SC	Yellow-brown clayey SAND (SC), mps 20 mm, no structure, no odor, moist  PID = 0.4 ppm	5	15	25	30	25									
15		G4 25	15.0 20.0		SC	Yellow-brown and tan clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist  PID = 1.9 ppm	5	10	20	30	15	15								
20						From 18.5 to 20 ft, wet spot														

Water Level Data						Sample ID		Well Diagram				Summary							
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Split Spoon Sample	Riser Pipe	Screen	Filter Sand	Cuttings	Grout	Concrete	Bentonite Seal	Overburden (ft)	Rock Cored (ft)	Samples
			Bottom of Casing	Bottom of Hole	Water														
--	--	--	--	--	--														

**Boring No. GTW-661-805-1**

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

H&A-TEST BORING-07-1 HA-LIB09.GLB HA-TB+CORE+WELL-07-1.GDT L:\WASHINGTON DC\40223-002\40223-002\_2014 TEST BORING LOGS.GPJ 8 Jul 14

**DRAFT**

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test				
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength
20		G5 22	20.0 24.0		SC	Tan and yellow-brown clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist  PID = 0.2 ppm	10	15	25	30	10	10				
				24.0		Refusal at 24.0 ft  BOTTOM OF EXPLORATION 24.0 FT										

**NOTE: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

**Boring No. GTW-661-805-1**



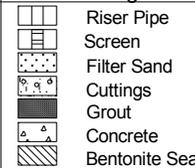
Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 1  
 Start 27 June 2014  
 Finish 27 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 805 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION (Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)	Gravel		Sand			Field Test			
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity
0		G1 55	0.0 5.0		SC	Yellow-brown and gray clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist  PID = 0.1 ppm	20	15	15	20	30				
5				5.0		BOTTOM OF EXPLORATION 5.0 FT  Note: Borehole backfilled with bentonite and 6 in. asphalt patch.									

Water Level Data						Sample ID		Well Diagram		Summary	
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Split Spoon Sample		Overburden (ft)		Rock Cored (ft)	
--	--	--	Bottom of Casing	Bottom of Hole	Water			5.0		--	
								Boring No. GTW-661-805-2			

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 1  
 Start 27 June 2014  
 Finish 27 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 805 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION <small>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)</small>	Gravel					Sand			Field Test			
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength		
0					SC	Yellow-brown and gray clayey SAND with gravel (SC), mps 19 mm, no structure, no odor, moist  PID = 0.0 ppm	20	15	15	20	30							
5				5.0		BOTTOM OF EXPLORATION 5.0 FT  Note: Borehole backfilled with bentonite (hydrated) and asphalt patch.												

Water Level Data						Sample ID		Well Diagram				Summary							
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod	T - Thin Wall Tube	U - Undisturbed Sample	S - Split Spoon Sample	Riser Pipe	Screen	Filter Sand	Cuttings	Grout	Concrete	Bentonite Seal	Overburden (ft)	Rock Cored (ft)	Samples
			Bottom of Casing	Bottom of Hole	Water														
--	--	--	--	--	--														1G

**Boring No. GTW-661-805-3**

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

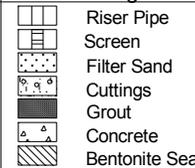
Project Buzzard Point, Washington, DC  
 Client McKissack & McKissack  
 Contractor Vironex Drilling, Inc.

File No. 40223-002  
 Sheet No. 1 of 1  
 Start 27 June 2014  
 Finish 27 June 2014  
 Driller K. Schultz  
 H&A Rep. C. Tschibelu

	Casing	Sampler	Barrel	Drilling Equipment and Procedures
Type	Steel	Macro	--	Rig Make & Model: Geoprobe 662DT
Inside Diameter (in.)	2.25	1.25	--	Bit Type: Cutting Head
Hammer Weight (lb)	--	--	-	Drill Mud: None
Hammer Fall (in.)	--	--	-	Casing:
				Hoist/Hammer: Winch Automatic Hammer
				PID Make & Model: Mini RAE 3000 10.6 eV

Elevation  
 Datum  
 Location LOT 805 - See Plan

Depth (ft)	Sampler Blows per 6 in.	Sample No. & Rec. (in.)	Sample Depth (ft)	Stratum Change Elev/Depth (ft)	USCS Symbol	VISUAL-MANUAL IDENTIFICATION AND DESCRIPTION <small>(Density/consistency, color, GROUP NAME, max. particle size*, structure, odor, moisture, optional descriptions GEOLOGIC INTERPRETATION)</small>	Gravel						Sand			Field Test			
							% Coarse	% Fine	% Coarse	% Medium	% Fine	% Fines	Dilatancy	Toughness	Plasticity	Strength			
0		G1 43	0.0 5.0		SC	Yellow-brown and gray clayey SAND with gravel (SC), no structure, no odor, moist  PID = 1.0 ppm		20	15	15	20	30							
5				5.0		BOTTOM OF EXPLORATION 5.0 FT													

Water Level Data						Sample ID		Well Diagram				Summary	
Date	Time	Elapsed Time (hr.)	Depth (ft) to:			O - Open End Rod T - Thin Wall Tube U - Undisturbed Sample S - Split Spoon Sample		Overburden (ft)		Rock Cored (ft)		Samples	
--	--	--	Bottom of Casing	Bottom of Hole	Water			5.0	--	1G	<b>Boring No. GTW-661-805-4</b>		

**Field Tests:** Dilatancy: R - Rapid S - Slow N - None Plasticity: N - Nonplastic L - Low M - Medium H - High  
 Toughness: L - Low M - Medium H - High Dry Strength: N - None L - Low M - Medium H - High V - Very High

**\*Note: Maximum particle size (mps) is determined by direct observation within the limitations of sampler size.**  
**Note: Soil identification based on visual-manual methods of the USCS as practiced by Haley & Aldrich, Inc.**

**APPENDIX G**

**Groundwater Sampling Records**

water column = 22.94 - 16.69 = 6.25 = 2 \* 3.16

mid point = 16.69 + 3.16 = 19.85 ≈ page @ 20.5

LOW-FLOW GROUNDWATER SAMPLING RECORD										WELL NAME GW-661-24-1
PROJECT <u>Buzzard Point - 20T 24</u>					FILE NO. <u>40223-002</u>			DATE <u>07/02/2014</u>		Page 1 of
LOCATION <u>Washington, DC</u>					TUBE TYPE <u>polyethylene</u>			WEATHER <u>Partly Cloud</u>		
FIELD MONITOR DEVICE <u>HOBIBA L-53</u>					PUMP DEVICE <u>peristaltic</u>			TEMPERATURE <u>97°</u>		
WELL I.D. (in.) <u>1</u>		SCREEN LENGTH <u>10.0 ft (mid point 20.5 TOC)</u>			FIELD REP <u>C. TSCHEBELU</u>					
WATER LEVEL <u>16.69</u>		MEASURING POINT <u>TOP OF PVC casing</u>			PUMP INTAKE DEPTH <u>20.5 (TOC)</u>					
WELL DEPTH (Log) <u>23.00</u>		DEPTH TO BOTTOM <u>22.94</u>			WELL VOLUME					
TIME (24 hrs)	WATER DEPTH (ft)	Ph (standard)	CONDUCTIVITY (µS/cm)	DO (mg/L)	TURB. (NTU)	TEMP. (°C)	ORP (mV)	DRAW-DOWN (ft)	FLOW RATE	REMARKS (color, odor, sheen) (field filtrations) (dedicated tubing, cleaning procedures)
Stabilized within →		[+/- 0.1]	[+3%]	[+/- 10%]	[<10]	N/A	[+/- 10]	[<0.2]*	[<500mL/min]	
10:43	19.15									
10:45								150		
10:50	19.89	6.05	0.310	0.0	0.0	26.24	129	-	150	no turbidity-- water is clear, slowing down flow rate
10:55	20.41	5.35	0.326	0.00	0.0	22.89	148	0.52	150	slowed down flow rate
11:00	20.20	5.27	0.322	0.00	0.0	22.02	157	-	100	
11:05	19.90	5.20	0.322	0.00	0.00	22.05	164	-	100	
11:10	19.63	5.13	0.323	0.00	776	22.09	168	-	100	turbidity resumed
11:15	19.50	5.11	0.320	0.00	473	22.50	172	-	125	
11:20	19.47	5.12	0.321	0.00	351	22.16	172	-	100	
11:25	19.47	5.09	0.322	0.00	254	21.91	174	0.0	100	
11:30	19.47	5.08	0.320	0.00	190	22.28	176	0.0	100	
11:35	19.47	5.08	0.320	0.00	140	22.18	175	0.0	125	
11:40	19.47	5.10	0.321	0.00	94.6	22.16	176	0.0	100	
11:45	19.45	5.10	0.321	0.00	73.5	22.30	176	0.0	100	
11:50	19.47	5.07	0.318	0.00	78.0	22.74	181	0.0	125	
11:55	19.47	5.08	0.318	0.00	62.8	22.80	183	0.0	125	
12:00	19.47	5.07	0.316	0.00	69.0	23.26	184	0.0	100	
12:05	19.47	5.04	0.314	0.00	64.7	23.46	186	0.0		
12:10		collecting sample								
12:15										

START PURGE	STOP PURGE	TOTAL PURGE VOLUME			
SAMPLE ANALYTES	SAMPLE TIME	SAMPLE CONTAINER	FIELD ANALYTES	SAMPLE TIME	SAMPLE CONTAINER

\* OR <0.03 total change over 3 events  
 [well volume = 3.14 (PI) x radius<sup>2</sup> x height of water column] → 1 in well = 0.0408 gal/ft, 2 in well = 0.163 gal/ft, 4 in = 0.653 gal/ft, 6 in = 1.469 gal/ft  
 1 cu. ft. = 7.48 gal, 1 gal = 3.785 L, 1L = 0.264 gal, 0.5L/min = 0.132 gal/min

water column  
 $24.60 - 19.56 = 5.04 \div 2 = 2.52$   
 mid point =  $19.56 + 2.52 = 22.08$  ft

# LOW-FLOW GROUNDWATER SAMPLING RECORD

WELL NAME  
 GRW-661-804-1  
 Page 1 of

PROJECT <u>Buzzard Point - LOT 804</u>	FILE NO. <u>40223-002</u>	DATE <u>07/2/2014</u>
LOCATION <u>Washington, DC</u>	TUBE TYPE <u>polyethylene</u>	WEATHER <u>Clear</u>
FIELD MONITOR DEVICE <u>Horiba U-53</u>	PUMP DEVICE <u>peristaltic</u>	TEMPERATURE <u>95°</u>
WELL I.D. (in.) <u>1</u>	SCREEN LENGTH <u>10 ft (mid point 22.08 TOC)</u>	FIELD REP <u>C. TSCHIBELU</u>
WATER LEVEL <u>19.56</u>	MEASURING POINT <u>TOP OF CASING</u>	PUMP INTAKE DEPTH <u>22.08</u>
WELL DEPTH (Log) <u>25.00</u>	DEPTH TO BOTTOM <u>24.60</u>	WELL VOLUME

TIME (24 hrs)	WATER DEPTH (ft)	Ph (standard)	CONDUCTIVITY (µS/cm)	DO (mg/L)	TURB. (NTU)	TEMP. (°C)	ORP (mV)	DRAW-DOWN (ft)	FLOW RATE	REMARKS (color, odor, sheen) (field filtrations) (dedicated tubing, cleaning procedures)
Stabilized within →		[+/- 0.1]	[+3%]	[+/- 10%]	[< 10]	N/A	[+/- 10]	[< 0.2]*	[< 500ml/min]	
8:00										
8:05	20.40	6.91	2.50	0.00	650	26.09	-88		150	
8:10	20.10	6.78	2.43	0.00	601	24.82	-85	0	125	Strong petroleum odor
8:15	20.11	6.73	2.36	0.00	618	23.81	-89	0.01	140	
8:20	20.10	6.71	2.34	0.00	613	23.32	-92	0	150	
8:25	20.15	6.72	2.39	0.00	558	22.57	-95	0.05	150	slowed flow rate
8:30	20.10	6.72	2.41	0.00	465	22.42	-96	0.00	150	
8:35	20.15	6.74	2.49	0.00	392	21.81	-98	0.05	125	
8:40	20.14	6.74	2.49	0.00	357	22.44	-100	0.01	125	
8:45	20.15	6.75	2.51	0.00	278	22.52	-103	0.01	125	
8:50	20.15	6.73	2.53	0.00	257	22.78	-102	0.00	125	
8:55	20.17	6.74	2.55	0.00	235	22.63	-102	0.02	125	
9:00	20.17	6.74	2.53	0.00	214	22.91	-102	0.00	125	
9:05	20.20	6.77	2.55	0.00	212	23.04	-105	0.03	125	
9:10	20.21	6.78	2.59	0.00	176	22.69	-105	0.01	125	
9:15	20.23	6.77	2.58	0.00	168	23.00	-105	0.02	150	
9:20	20.23	6.74	2.60	0.00	155	22.63	-103	0.00	125	
9:25	20.23	6.75	2.63	0.00	154	22.60	-104	0.00	125	
9:30	20.23	6.75	2.61	0.00	149	23.16	-104	0.00	125	
			collecting	sample						

START PURGE		STOP PURGE		TOTAL PURGE VOLUME	
SAMPLE ANALYTES	SAMPLE TIME	SAMPLE CONTAINER	FIELD ANALYTES	SAMPLE TIME	SAMPLE CONTAINER

\* OR <0.03 total change over 3 events  
 [well volume = 3.14 (PI) x radius<sup>2</sup> x height of water column] → 1 in well = 0.0408 gal/ft, 2 in well = 0.163 gal/ft, 4 in = 0.653 gal/ft, 6 in = 1.469 gal/ft  
 1 cu. ft. = 7.48 gal, 1 gal = 3.785 L, 1L = 0.264 gal, 0.5L/min = 0.132 gal/min

water column  
 20.10 - 18.45 = 1.65 ft = 0.22  
 10.10 = 3.25

# LOW-FLOW GROUNDWATER SAMPLING RECORD

WELL NAME  
 GW-661-804-2  
 Page 1 of 1

PROJECT Buzzard Point - LOT 804 FILE NO. 40223-002 DATE 07/02/  
 LOCATION Washington, DC TUBE TYPE polyethylene WEATHER Partly cloudy  
 FIELD MONITOR DEVICE HORIBA U-53 PUMP DEVICE peristaltic TEMPERATURE 97°  
 WELL I.D. (in.) 1 SCREEN LENGTH 10 SCREEN (mid point 20 ft) FIELD REP C. TSCHIBELU  
 WATER LEVEL 18.45 MEASURING POINT TOP OF CASING PUMP INTAKE DEPTH 20.0 (18c)  
 WELL DEPTH (Log) 25.00 DEPTH TO BOTTOM 20.10 WELL VOLUME

TIME (24 hrs)	WATER DEPTH (ft)	Ph (standard)	CONDUCTIVITY (µS/cm)	DO (mg/L)	TURB. (NTU)	TEMP. (°C)	ORP (mV)	DRAW-DOWN (ft)	FLOW RATE	REMARKS (color, odor, sheen) (field filtrations) (dedicated tubing, cleaning procedures)
Stabilized within →		[±0.1]	[+3%]	[±10%]	[<10]	N/A	[±10]	[<0.2]*	[<500mL/min]	
13:50	18.70									
13:55	18.73							100 ml/min		collected 1000 mL
14:00	18.73									
14:05	18.75	6.61	0.151	0.00	2.11	30.71	-56	0.02	100 ml/min	
14:10	18.75	6.42	0.169	0.00	77.6	23.32	-60	0.00	100	
14:15	18.75	6.36	0.166	0.00	33.4	21.49	-62	0.00	100	Water is clear
14:20	18.75	6.38	0.160	0.00	4.6	21.35	-64	0.00	100	
14:25	18.75	6.36	0.158	0.00	0.0	21.11	-64	0.00	100	
14:30	18.75	6.36	0.155	0.00	0.0	20.97	-65	0.00	100	
14:35	18.77	6.37	0.153	0.00	0.0	20.96	-66	0.04	100	" "
		collecting sample @ 14:36								

START PURGE		STOP PURGE		TOTAL PURGE VOLUME	
SAMPLE ANALYTES	SAMPLE TIME	SAMPLE CONTAINER	FIELD ANALYTES	SAMPLE TIME	SAMPLE CONTAINER

\* OR <0.03 total change over 3 events  
 [well volume = 3.14 (PI) x radius<sup>2</sup> x height of water column] → 1 in well = 0.0408 gal/ft, 2 in well = 0.163 gal/ft, 4 in = 0.653 gal/ft, 6 in = 1.469 gal/ft  
 1 cu. ft. = 7.48 gal, 1 gal = 3.785 L, 1L = 0.264 gal, 0.5L/min = 0.132 gal/min

# LOW-FLOW GROUNDWATER SAMPLING RECORD

WELL NAME  
W5G-661-804-3  
Page 1 of

PROJECT Buzzard Point - LOT B04 FILE NO. 40223-002 DATE 07/1/2014  
 LOCATION Washington, DC TUBE TYPE polyethylene WEATHER mostly cloudy  
 FIELD MONITOR DEVICE HORIBA U-53 PUMP DEVICE peristaltic TEMPERATURE 93°  
 WELL I.D. (in.) 1 SCREEN LENGTH 10 (mid-point 21.20) FIELD REP C. Tschirbaw  
 WATER LEVEL 19.00 MEASURING POINT Top of PVC casing PUMP INTAKE DEPTH ≈ 22.0 ft  
 WELL DEPTH (Log) installed at 26.00 DEPTH TO BOTTOM 26.40 WELL VOLUME

TIME (24 hrs)	WATER DEPTH (ft)	Ph (standard)	CONDUCTIVITY (µS/cm)	DO (mg/L)	TURB. (NTU)	TEMP. (°C)	ORP (mV)	DRAW-DOWN (ft)	FLOW RATE	REMARKS (color, odor, sheen) (field filtrations) (dedicated tubing, cleaning procedures)
Stabilized within →		[+/- 0.1]	[+3%]	[+/- 10%]	[< 10]	N/A	[+/- 10]	[< 0.2]*	[<500ml/min]	
<del>16:40</del> 15:46	19.00							0		Pump reseted
16:00	19.00	7.28	1.02	0.00	204	20.23	-107	0	125	Pump reseted
16:15	19.00	6.99	1.05	0.00	72.4	24.95	-108	0	125	strong petroleum odor water clear
16:20	19.00	6.92	1.08	0.00	45.6	23.14	-112	0	125	
16:25	19.00	6.89	1.09	0.00	33.2	22.28	-113	0	150	
16:30	19.00	6.88	1.08	0.00	32.1	22.63	-115	0	150	
16:35	19.00	6.87	1.07	0.00	34.6	22.76	-115	0	150	visible sheen in bucket
16:40	19.00	6.85	1.07	0.00	33.6	21.64	-114	0	150	
16:45	19.00	6.86	1.05	0.00	32.7	22.13	-115	0	125	
16:50	19.00	6.87	1.06	0.00	32.3	21.52	-115	0	125	
16:55	19.00	6.87	1.06	0.00	29.5	21.71	-115	0	150	strong petroleum odor
17:00	19.00	6.87	1.05	0.00	20.4	21.61	-115	0	150	
			collecting		samples					

START PURGE		STOP PURGE		TOTAL PURGE VOLUME	
SAMPLE ANALYTES	SAMPLE TIME	SAMPLE CONTAINER	FIELD ANALYTES	SAMPLE TIME	SAMPLE CONTAINER

\* OR <0.03 total change over 3 events  
 [well volume = 3.14 (PI) x radius<sup>2</sup> x height of water column] → 1 in well = 0.0408 gal/ft, 2 in well = 0.163 gal/ft, 4 in = 0.653 gal/ft, 6 in = 1.469 gal/ft  
 1 cu. ft. = 7.48 gal, 1 gal = 3.785 L, 1L = 0.264 gal, 0.5L/min = 0.132 gal/min



**APPENDIX H**

**Laboratory Analytical Reports**

July 07, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: BUZZARD POINT LOT 805  
Pace Project No.: 92207165

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

---

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207165001	GTW661-805-1-1	EPA 8015 Modified	JDW1	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207165002	GTW661-805-1-2	EPA 8260	DLK	10	PASI-C
		ASTM D2974-87	AES	1	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207165001</b>	<b>GTW661-805-1-1</b>					
ASTM D2974-87	Percent Moisture	15.7 %		0.10	06/30/14 15:30	
<b>92207165002</b>	<b>GTW661-805-1-2</b>					
ASTM D2974-87	Percent Moisture	16.8 %		0.10	06/30/14 15:25	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 805  
Pace Project No.: 92207165

**Sample: GTW661-805-1-1**      **Lab ID: 92207165001**      Collected: 06/26/14 10:02      Received: 06/27/14 09:40      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 3546						
Diesel Components	ND	mg/kg	5.9	1	06/27/14 17:12	06/30/14 17:30	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	88 %		41-119	1	06/27/14 17:12	06/30/14 17:30	629-99-2	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>15.7 %</b>		0.10	1		06/30/14 15:30		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

**Sample: GTW661-805-1-2**      **Lab ID: 92207165002**      Collected: 06/26/14 10:05      Received: 06/27/14 09:40      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260/5035A Volatile Organics</b>		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	4.2	1		07/04/14 13:07	71-43-2	
Ethylbenzene	ND	ug/kg	4.2	1		07/04/14 13:07	100-41-4	
Naphthalene	ND	ug/kg	4.2	1		07/04/14 13:07	91-20-3	
Toluene	ND	ug/kg	4.2	1		07/04/14 13:07	108-88-3	
Xylene (Total)	ND	ug/kg	8.5	1		07/04/14 13:07	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		07/04/14 13:07	179601-23-1	
o-Xylene	ND	ug/kg	4.2	1		07/04/14 13:07	95-47-6	
<b>Surrogates</b>								
Toluene-d8 (S)	101	%	70-130	1		07/04/14 13:07	2037-26-5	
4-Bromofluorobenzene (S)	104	%	70-130	1		07/04/14 13:07	460-00-4	
1,2-Dichloroethane-d4 (S)	92	%	70-132	1		07/04/14 13:07	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>16.8</b>	%	0.10	1		06/30/14 15:25		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 805  
Pace Project No.: 92207165

QC Batch: MSV/27469 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 92207165002

METHOD BLANK: 1236007 Matrix: Solid  
Associated Lab Samples: 92207165002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	4.3	07/04/14 10:46	
Ethylbenzene	ug/kg	ND	4.3	07/04/14 10:46	
m&p-Xylene	ug/kg	ND	8.6	07/04/14 10:46	
Naphthalene	ug/kg	ND	4.3	07/04/14 10:46	
o-Xylene	ug/kg	ND	4.3	07/04/14 10:46	
Toluene	ug/kg	ND	4.3	07/04/14 10:46	
Xylene (Total)	ug/kg	ND	8.6	07/04/14 10:46	
1,2-Dichloroethane-d4 (S)	%	81	70-132	07/04/14 10:46	
4-Bromofluorobenzene (S)	%	104	70-130	07/04/14 10:46	
Toluene-d8 (S)	%	103	70-130	07/04/14 10:46	

LABORATORY CONTROL SAMPLE: 1236008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	44.6	47.4	106	73-135	
Ethylbenzene	ug/kg	44.6	46.0	103	75-133	
m&p-Xylene	ug/kg	89.1	94.5	106	75-136	
Naphthalene	ug/kg	44.6	45.8	103	68-151	
o-Xylene	ug/kg	44.6	47.1	106	76-141	
Toluene	ug/kg	44.6	44.8	100	74-131	
Xylene (Total)	ug/kg	134	142	106	76-137	
1,2-Dichloroethane-d4 (S)	%			76	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1236060

Parameter	Units	92207218011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	62.2	73.4	118	50-166	
Toluene	ug/kg	ND	62.2	68.6	110	52-163	
1,2-Dichloroethane-d4 (S)	%				88	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

SAMPLE DUPLICATE: 1236059

Parameter	Units	92207165002 Result	Dup Result	RPD	Qualifiers
Benzene	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	92	89	32	
4-Bromofluorobenzene (S)	%	104	106	36	
Toluene-d8 (S)	%	101	101	35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

QC Batch:	OEXT/28545	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3546	Analysis Description:	8015 Solid GCSV
Associated Lab Samples:	92207165001		

METHOD BLANK: 1230775 Matrix: Solid

Associated Lab Samples: 92207165001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	06/30/14 13:55	
n-Pentacosane (S)	%	91	41-119	06/30/14 13:55	

LABORATORY CONTROL SAMPLE: 1230776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	57.0	86	49-113	
n-Pentacosane (S)	%			90	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230777 1230778

Parameter	Units	92207050001		1230777		1230778		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec			
Diesel Components	mg/kg	<6.7	89.1	89.1	68.4	69.5	76	77	10-146	2
n-Pentacosane (S)	%						77	83	41-119	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

---

QC Batch: PMST/6754	Analysis Method: ASTM D2974-87
QC Batch Method: ASTM D2974-87	Analysis Description: Dry Weight/Percent Moisture
Associated Lab Samples: 92207165001	

---

SAMPLE DUPLICATE: 1232116

Parameter	Units	92206942001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	10.6	10.5	1	

---

SAMPLE DUPLICATE: 1232117

Parameter	Units	92207173008 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.8	16.4	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

QC Batch: PMST/6755

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 92207165002

SAMPLE DUPLICATE: 1232119

Parameter	Units	92207120001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.5	21.1	8	

SAMPLE DUPLICATE: 1232120

Parameter	Units	92207147001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.7	8.8	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BUZZARD POINT LOT 805

Pace Project No.: 92207165

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207165001	GTW661-805-1-1	EPA 3546	OEXT/28545	EPA 8015 Modified	GCSV/18073
92207165002	GTW661-805-1-2	EPA 8260	MSV/27469		
92207165001	GTW661-805-1-1	ASTM D2974-87	PMST/6754		
92207165002	GTW661-805-1-2	ASTM D2974-87	PMST/6755		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-003-rev.14**

Document Revised: April 07, 2014  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: Haley & Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 T1401 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 8.6 °C Biological Tissue is Frozen: Yes No N/A  
 Temp should be above freezing to 6°C

Optional  
 Proj. Due Date:  
 Proj. Name:

Date and Initials of person examining contents: AD 6/27/14

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
 Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
 Comments/ Resolution: \_\_\_\_\_

SCURF Review: N/D Date: 6/27/14  
 SRF Review: M/D Date: 6/27/14

WO#: 92207165

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: **Haley & Aldrich** Address: **7926 Jones Branch Drive, Suite 870 McLean, VA 22102** Email To: **J.Roch@haleyaldrich.com** Phone: **703-336-6204** Fax: **703-336-6254** Requested Due Date/AT: **Standard**

Section B Required Project Information: Report To: **John Roche** Copy To: **John Roche** Purchase Order No.: **40223-002** Project Name: **Buzzard Point LOT 805** Project Number: **40223-002**

Section C Invoice Information: Attention: **Kevin Herring** Company Name: **Kevin Herring** Address: **10396-2** Invoice #:

REGULATORY AGENCY:  NPDES  GROUND WATER  DRINKING WATER  UST  RCRA  OTHER

Site Location: \_\_\_\_\_ STATE: \_\_\_\_\_

ITEM #	Section D Required Client Information	Valid Matrix Codes CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
			DATE	TIME					
1	GTW661-805-1-1	SL	06/26/14	10:02	16	Unpreserved	X		
2	GTW661-805-1-2	SL	06/26/14	10:05	16	H <sub>2</sub> SO <sub>4</sub> HNO <sub>3</sub> HCl NaOH Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> Methanol Other Bisulfate Solution	X		
3	GTW661-805-1-3	SL					X		
4	GTW661-805-1-4	SL					X		
5	GTW661-805-1-1	WT							
6	GTW661-805-2-4-1	SL							
7	GTW661-805-2-4-2	SL							
8	GTW661-805-2-4-3	SL							
9									
10									
11									
12									

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
CHRISTIAN TSCHUBELU	06/26/14	17:00	Kevin Herring	06/26/14	17:40

SAMPLER NAME AND SIGNATURE: PRINT Name of SAMPLER: **Christian Tschubelu** SIGNATURE of SAMPLER: *Christian Tschubelu* DATE Signed (MM/DD/YY): **06/26/2014**

Temp in °C: \_\_\_\_\_ Received on Ice (Y/N): **Y** Custody Sealed Cooler (Y/N): **N** Samples Intact (Y/N): **Y**



July 07, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: Buzzard Point LOT 805  
Pace Project No.: 92207228

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

---

### Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207228001	GTW661-805-COMP-1-1	EPA 8015 Modified	JDW1	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207228002	GTW661-805-COMP-1-2	EPA 8260	DLK	10	PASI-C
		ASTM D2974-87	AES	1	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207228001</b>	<b>GTW661-805-COMP-1-1</b>					
EPA 8015 Modified	Diesel Components	38.3	mg/kg	5.4	07/02/14 12:22	
ASTM D2974-87	Percent Moisture	7.3	%	0.10	06/30/14 15:25	
<b>92207228002</b>	<b>GTW661-805-COMP-1-2</b>					
ASTM D2974-87	Percent Moisture	5.9	%	0.10	06/30/14 15:19	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

**Sample: GTW661-805-COMP-1-1    Lab ID: 92207228001    Collected: 06/27/14 11:55    Received: 06/28/14 09:00    Matrix: Solid**

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 3546						
Diesel Components	<b>38.3</b>	mg/kg	5.4	1	06/30/14 15:34	07/02/14 12:22	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	93	%	41-119	1	06/30/14 15:34	07/02/14 12:22	629-99-2	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>7.3</b>	%	0.10	1		06/30/14 15:25		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

**Sample: GTW661-805-COMP-1-2**    **Lab ID: 92207228002**    Collected: 06/27/14 11:56    Received: 06/28/14 09:00    Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260/5035A Volatile Organics</b>		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	4.3	1		07/04/14 16:48	71-43-2	
Ethylbenzene	ND	ug/kg	4.3	1		07/04/14 16:48	100-41-4	
Naphthalene	ND	ug/kg	4.3	1		07/04/14 16:48	91-20-3	
Toluene	ND	ug/kg	4.3	1		07/04/14 16:48	108-88-3	
Xylene (Total)	ND	ug/kg	8.5	1		07/04/14 16:48	1330-20-7	
m&p-Xylene	ND	ug/kg	8.5	1		07/04/14 16:48	179601-23-1	
o-Xylene	ND	ug/kg	4.3	1		07/04/14 16:48	95-47-6	
<b>Surrogates</b>								
Toluene-d8 (S)	100 %		70-130	1		07/04/14 16:48	2037-26-5	
4-Bromofluorobenzene (S)	99 %		70-130	1		07/04/14 16:48	460-00-4	
1,2-Dichloroethane-d4 (S)	94 %		70-132	1		07/04/14 16:48	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>5.9 %</b>		0.10	1		06/30/14 15:19		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

QC Batch:	MSV/27469	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	92207228002		

METHOD BLANK: 1236007 Matrix: Solid

Associated Lab Samples: 92207228002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	4.3	07/04/14 10:46	
Ethylbenzene	ug/kg	ND	4.3	07/04/14 10:46	
m&p-Xylene	ug/kg	ND	8.6	07/04/14 10:46	
Naphthalene	ug/kg	ND	4.3	07/04/14 10:46	
o-Xylene	ug/kg	ND	4.3	07/04/14 10:46	
Toluene	ug/kg	ND	4.3	07/04/14 10:46	
Xylene (Total)	ug/kg	ND	8.6	07/04/14 10:46	
1,2-Dichloroethane-d4 (S)	%	81	70-132	07/04/14 10:46	
4-Bromofluorobenzene (S)	%	104	70-130	07/04/14 10:46	
Toluene-d8 (S)	%	103	70-130	07/04/14 10:46	

LABORATORY CONTROL SAMPLE: 1236008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	44.6	47.4	106	73-135	
Ethylbenzene	ug/kg	44.6	46.0	103	75-133	
m&p-Xylene	ug/kg	89.1	94.5	106	75-136	
Naphthalene	ug/kg	44.6	45.8	103	68-151	
o-Xylene	ug/kg	44.6	47.1	106	76-141	
Toluene	ug/kg	44.6	44.8	100	74-131	
Xylene (Total)	ug/kg	134	142	106	76-137	
1,2-Dichloroethane-d4 (S)	%			76	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1236060

Parameter	Units	92207218011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	62.2	73.4	118	50-166	
Toluene	ug/kg	ND	62.2	68.6	110	52-163	
1,2-Dichloroethane-d4 (S)	%				88	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

SAMPLE DUPLICATE: 1236059

Parameter	Units	92207165002 Result	Dup Result	RPD	Qualifiers
Benzene	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	92	89	32	
4-Bromofluorobenzene (S)	%	104	106	36	
Toluene-d8 (S)	%	101	101	35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

QC Batch: OEXT/28589	Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546	Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92207228001	

METHOD BLANK: 1232671 Matrix: Solid

Associated Lab Samples: 92207228001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	07/02/14 11:10	
n-Pentacosane (S)	%	97	41-119	07/02/14 11:10	

LABORATORY CONTROL SAMPLE: 1232672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	55.6	83	49-113	
n-Pentacosane (S)	%			88	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232673 1232674

Parameter	Units	92207220001		1232674		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Diesel Components	mg/kg	ND	78.5	78.5	63.7	66.0	80	83	10-146	3
n-Pentacosane (S)	%						85	88	41-119	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

---

QC Batch:	PMST/6755	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92207228001		

---

SAMPLE DUPLICATE: 1232119

Parameter	Units	92207120001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.5	21.1	8	

---

SAMPLE DUPLICATE: 1232120

Parameter	Units	92207147001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.7	8.8	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

---

QC Batch:	PMST/6756	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92207228002		

---

SAMPLE DUPLICATE: 1232122

Parameter	Units	92207225001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.0	15.3	2	

---

SAMPLE DUPLICATE: 1232123

Parameter	Units	92207229003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.8	17.1	4	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Buzzard Point LOT 805  
Pace Project No.: 92207228

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point LOT 805

Pace Project No.: 92207228

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207228001	GTW661-805-COMP-1-1	EPA 3546	OEXT/28589	EPA 8015 Modified	GCSV/18097
92207228002	GTW661-805-COMP-1-2	EPA 8260	MSV/27469		
92207228001	GTW661-805-COMP-1-1	ASTM D2974-87	PMST/6755		
92207228002	GTW661-805-COMP-1-2	ASTM D2974-87	PMST/6756		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-003-rev.14**

Document Revised: April 07, 2014  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: Haley + Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 **T1401**    Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor    T1102: No Correction    T1301: No Correction

Corrected Cooler Temp.: 5.1 °C    Biological Tissue is Frozen: Yes No  N/A  
 Temp should be above freezing to 6°C

Date and Initials of person examining contents: 06/28/14

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

**Client Notification/ Resolution:**

Field Data Required?    Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review:

LL  
AMB

Date: 6/28/14  
Date: 6-30-14

**WO# : 92207228**



Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

CHAIN-OF-CUSTODY / Analytical Request Document  
The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: Haley & Aldrich  
Section B Required Project Information: Report To: **John Roche**  
Section C Invoice Information: Attention: **John Roche**

Address: 7926 Jones Branch Drive, Suite 870  
McLean, VA 22102  
Copy To:  
Purchase Order No.:  
Address:  
Company Name:  
Reference:  
Pace Quote  
Pace Project Manager: Kevin Herring  
Pace Profile #:  
Requested Analysis Filtered (Y/N):  
REGULATORY AGENCY  
NPDES  GROUND WATER  DRINKING WATER  
UST  RCRA  OTHER   
Site Location: STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WATER WW WASTE WATER WW PRODUCT P SOL/SOLID SL OIL OL WIPE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)
					COMPOSITE START	COMPOSITE END/GRAB						
1	GTM661-805-1-1		SL									
2	GTM661-805-1-2		SL									
3	GTM661-805-1-3		SL									
4	GTM661-805-1-4		SL									
5	GTM661-805-1-1		WT									
6	GTM661-805-2-4-1		SL									
7	GTM661-805-2-4-2		SL									
8	GTM661-805-2-4-3		SL									
9	GTM661-805-COMP-1-1		SL		04/23/14 11:55		1	X				
10	GTM661-805-COMP-1-2		SL		06/27/14 11:56		16		XXX			
11												
12												

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
	CHRISTIAN TSCHIBERL	06/27/14	13:55	FERREX	06/27/14	14:25	5.1	Y	N	Y
				ANNA PALE	06/27/14	09:00	6.1	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: **CHRISTIAN TSCHIBERL**

SIGNATURE of SAMPLER: *Christian Tschiberl*

DATE Signed (MM/DD/YYYY): **06/27/14**

Pace Project No./ Lab I.D. **92207228**

July 07, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: Buzzard Point LOT 804  
Pace Project No.: 92207229

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## CERTIFICATIONS

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

---

### Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207229001	GTW661-804-1-1	EPA 8015 Modified	JDW1	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207229002	GTW661-804-1-2	EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207229003	GTW661-804-1-3	EPA 8260	DLK	10	PASI-C
		ASTM D2974-87	AES	1	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207229001</b>	<b>GTW661-804-1-1</b>					
ASTM D2974-87	Percent Moisture	17.6 %		0.10	07/01/14 18:55	
<b>92207229002</b>	<b>GTW661-804-1-2</b>					
ASTM D2974-87	Percent Moisture	17.6 %		0.10	06/30/14 15:19	
<b>92207229003</b>	<b>GTW661-804-1-3</b>					
ASTM D2974-87	Percent Moisture	17.8 %		0.10	06/30/14 15:19	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

---

**Sample: GTW661-804-1-1**      **Lab ID: 92207229001**      Collected: 06/27/14 08:28      Received: 06/28/14 09:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 3546						
Diesel Components	ND	mg/kg	6.1	1	06/30/14 15:34	07/02/14 12:22	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	94 %		41-119	1	06/30/14 15:34	07/02/14 12:22	629-99-2	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>17.6 %</b>		0.10	1		07/01/14 18:55		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

---

**Sample: GTW661-804-1-2**      **Lab ID: 92207229002**      Collected: 06/27/14 08:30      Received: 06/28/14 09:00      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	5.3	1	07/01/14 09:26	07/01/14 23:34	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	105 %		70-167	1	07/01/14 09:26	07/01/14 23:34	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>17.6 %</b>		0.10	1		06/30/14 15:19		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

**Sample: GTW661-804-1-3**      **Lab ID: 92207229003**      Collected: 06/27/14 08:34      Received: 06/28/14 09:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260/5035A Volatile Organics</b>		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	4.5	1		07/04/14 17:08	71-43-2	
Ethylbenzene	ND	ug/kg	4.5	1		07/04/14 17:08	100-41-4	
Naphthalene	ND	ug/kg	4.5	1		07/04/14 17:08	91-20-3	
Toluene	ND	ug/kg	4.5	1		07/04/14 17:08	108-88-3	
Xylene (Total)	ND	ug/kg	9.0	1		07/04/14 17:08	1330-20-7	
m&p-Xylene	ND	ug/kg	9.0	1		07/04/14 17:08	179601-23-1	
o-Xylene	ND	ug/kg	4.5	1		07/04/14 17:08	95-47-6	
<b>Surrogates</b>								
Toluene-d8 (S)	103 %		70-130	1		07/04/14 17:08	2037-26-5	
4-Bromofluorobenzene (S)	107 %		70-130	1		07/04/14 17:08	460-00-4	
1,2-Dichloroethane-d4 (S)	99 %		70-132	1		07/04/14 17:08	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>17.8 %</b>		0.10	1		06/30/14 15:19		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 804  
Pace Project No.: 92207229

QC Batch:	GCV/8281	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92207229002		

METHOD BLANK: 1232987 Matrix: Solid  
Associated Lab Samples: 92207229002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	07/02/14 01:29	
4-Bromofluorobenzene (S)	%	105	70-167	07/02/14 01:29	

LABORATORY CONTROL SAMPLE: 1232988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	50.3	49.9	99	70-165	
4-Bromofluorobenzene (S)	%			107	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232989 1232990

Parameter	Units	92206753001		MSD		MS		MSD		% Rec Limits	RPD	Qual
		Result	Spike Conc.	Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Gasoline Range Organics	mg/kg	ND	107	107	147	102	136	94	47-187	36	M0	
4-Bromofluorobenzene (S)	%						111	104	70-167			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 804  
Pace Project No.: 92207229

QC Batch: MSV/27469 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 92207229003

METHOD BLANK: 1236007 Matrix: Solid  
Associated Lab Samples: 92207229003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	4.3	07/04/14 10:46	
Ethylbenzene	ug/kg	ND	4.3	07/04/14 10:46	
m&p-Xylene	ug/kg	ND	8.6	07/04/14 10:46	
Naphthalene	ug/kg	ND	4.3	07/04/14 10:46	
o-Xylene	ug/kg	ND	4.3	07/04/14 10:46	
Toluene	ug/kg	ND	4.3	07/04/14 10:46	
Xylene (Total)	ug/kg	ND	8.6	07/04/14 10:46	
1,2-Dichloroethane-d4 (S)	%	81	70-132	07/04/14 10:46	
4-Bromofluorobenzene (S)	%	104	70-130	07/04/14 10:46	
Toluene-d8 (S)	%	103	70-130	07/04/14 10:46	

LABORATORY CONTROL SAMPLE: 1236008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	44.6	47.4	106	73-135	
Ethylbenzene	ug/kg	44.6	46.0	103	75-133	
m&p-Xylene	ug/kg	89.1	94.5	106	75-136	
Naphthalene	ug/kg	44.6	45.8	103	68-151	
o-Xylene	ug/kg	44.6	47.1	106	76-141	
Toluene	ug/kg	44.6	44.8	100	74-131	
Xylene (Total)	ug/kg	134	142	106	76-137	
1,2-Dichloroethane-d4 (S)	%			76	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1236060

Parameter	Units	92207218011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	62.2	73.4	118	50-166	
Toluene	ug/kg	ND	62.2	68.6	110	52-163	
1,2-Dichloroethane-d4 (S)	%				88	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

SAMPLE DUPLICATE: 1236059

Parameter	Units	92207165002 Result	Dup Result	RPD	Qualifiers
Benzene	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	92	89	32	
4-Bromofluorobenzene (S)	%	104	106	36	
Toluene-d8 (S)	%	101	101	35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

QC Batch:	OEXT/28589	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3546	Analysis Description:	8015 Solid GCSV
Associated Lab Samples:	92207229001		

METHOD BLANK: 1232671 Matrix: Solid

Associated Lab Samples: 92207229001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	07/02/14 11:10	
n-Pentacosane (S)	%	97	41-119	07/02/14 11:10	

LABORATORY CONTROL SAMPLE: 1232672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	55.6	83	49-113	
n-Pentacosane (S)	%			88	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232673 1232674

Parameter	Units	92207220001		1232674		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Diesel Components	mg/kg	ND	78.5	78.5	63.7	66.0	80	83	10-146	3
n-Pentacosane (S)	%						85	88	41-119	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

QC Batch: PMST/6759

Analysis Method: ASTM D2974-87

QC Batch Method: ASTM D2974-87

Analysis Description: Dry Weight/Percent Moisture

Associated Lab Samples: 92207229001

SAMPLE DUPLICATE: 1233060

Parameter	Units	92206876005 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	11.8	12.7	8	

SAMPLE DUPLICATE: 1233061

Parameter	Units	92206934001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	49.8	59.2	17	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point LOT 804

Pace Project No.: 92207229

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207229001	GTW661-804-1-1	EPA 3546	OEXT/28589	EPA 8015 Modified	GCSV/18097
92207229002	GTW661-804-1-2	EPA 5035A/5030B	GCV/8281	EPA 8015 Modified	GCV/8285
92207229003	GTW661-804-1-3	EPA 8260	MSV/27469		
92207229001	GTW661-804-1-1	ASTM D2974-87	PMST/6759		
92207229002	GTW661-804-1-2	ASTM D2974-87	PMST/6756		
92207229003	GTW661-804-1-3	ASTM D2974-87	PMST/6756		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Client Name: Haley & Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 **T1401**    Type of Ice: **Wet** Blue None  Samples on ice, cooling process has begun

Temp Correction Factor    T1102: No Correction    T1301: No Correction

Corrected Cooler Temp.: 5.1 °C    Biological Tissue is Frozen: Yes No **N/A**

Date and Initials of person examining contents: 6/28/14

		Comments:
Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution: \_\_\_\_\_ Field Data Required? Y / N  
Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_  
Comments/ Resolution: \_\_\_\_\_

SCURF Review: CL Date: 6/28/14  
SRF Review: AMB Date: 6-30-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

**WO# : 92207229**

92207229



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: 1 of 1

<b>Section A</b> Required Client Information:	<b>Section B</b> Required Project Information:	<b>Section C</b> Invoice Information:
Company: <b>Halley &amp; Aldrich</b>	Report To: <b>John Roche</b>	Attention:
Address: <b>7926 Jones Branch Drive, Suite 870 McLean, VA 22102</b>	Copy To:	Company Name:
Email To: <b>J.Roche@halleyaldrich.com</b>	Purchase Order No.:	Address:
Phone: <b>703-336-6204</b>	Project Name: <b>Buzzard Point LOT 804</b>	Page Quote Reference:
Fax: <b>703-336-6254</b>	Project Number: <b>40223-002</b>	Pace Project Manager:
Requested Due Date/TAT: <b>STANDARD</b>	Requested Analysis Filtered (Y/N):	Pace Profile #:
		<b>103910-2</b>

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
					COMPOSITE START	COMPOSITE END/GRAB			H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol	Other				
1	GTW661-806-1-1	DW WT WW P SL OL WIP AIR AR OT TS	SL					1											
2	GTW661-805-1-2		SL																
3	GTW661-805-1-3		SL																
4	GTW661-806-1-4		SL																
5	GTW661-805-1-1		WT																
6	GTW661-805-2-1		SL																
7	GTW661-805-2-2		SL																
8	GTW661-805-2-3		SL																
9	GTW661-804-1-1		SL		06/27/14 8:28			1										601	
10	GTW661-804-1-2		SL		06/27/14 8:30			3										602	
11	GTW661-804-1-3		SL		06/27/14 8:34			12										603	
12																			

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	CHRISTIAN TSCHUBEL	06/27/14	13:55	FEDEX A. W. AKE	06/27/14	14:25	5.1
SAMPLER NAME AND SIGNATURE							
PRINT Name of SAMPLER: <b>Christian Tschubel</b>				DATE Signed (MM/DD/YYYY): <b>06/27/2014</b>			
SIGNATURE of SAMPLER: <i>Christian Tschubel</i>				Temp in °C			
				Received on Ice (Y/N)			
				Custody Sealed Cooler (Y/N)			
				Samples Intact (Y/N)			

\*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.08, 12-Oct-2007



July 07, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: BUZZARD POINT LOT 804  
Pace Project No.: 92207091

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on June 27, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

### **Charlotte Certification IDs**

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: BUZZARD POINT LOT 804  
Pace Project No.: 92207091

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207091001	GTW661-804-2-1	EPA 8015 Modified	JDW1	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207091002	GTW661-804-2-2	EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207091003	GTW661-804-2-3	EPA 8260	DLK	10	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207091004	GTW661-804-3-1	EPA 8015 Modified	JDW1	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207091005	GTW661-804-3-2	EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207091006	GTW661-804-3-3	EPA 8260	DLK	10	PASI-C
		ASTM D2974-87	AES	1	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207091001</b>	<b>GTW661-804-2-1</b>					
EPA 8015 Modified	Diesel Components	483 mg/kg		11.2	07/01/14 11:42	
ASTM D2974-87	Percent Moisture	11.0 %		0.10	06/30/14 15:30	
<b>92207091002</b>	<b>GTW661-804-2-2</b>					
ASTM D2974-87	Percent Moisture	6.5 %		0.10	06/30/14 15:24	
<b>92207091003</b>	<b>GTW661-804-2-3</b>					
ASTM D2974-87	Percent Moisture	5.4 %		0.10	06/30/14 15:24	
<b>92207091004</b>	<b>GTW661-804-3-1</b>					
EPA 8015 Modified	Diesel Components	1260 mg/kg		27.0	07/01/14 12:06	
ASTM D2974-87	Percent Moisture	7.5 %		0.10	06/30/14 15:30	
<b>92207091005</b>	<b>GTW661-804-3-2</b>					
EPA 8015 Modified	Gasoline Range Organics	511 mg/kg		24.3	07/07/14 13:14	
ASTM D2974-87	Percent Moisture	8.3 %		0.10	06/30/14 15:24	
<b>92207091006</b>	<b>GTW661-804-3-3</b>					
ASTM D2974-87	Percent Moisture	8.7 %		0.10	06/30/14 15:24	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

**Sample: GTW661-804-2-1**      **Lab ID: 92207091001**      Collected: 06/26/14 14:14      Received: 06/27/14 09:40      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 3546						
Diesel Components	<b>483</b>	mg/kg	11.2	2	06/27/14 17:12	07/01/14 11:42	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	92	%	41-119	2	06/27/14 17:12	07/01/14 11:42	629-99-2	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>11.0</b>	%	0.10	1		06/30/14 15:30		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

**Sample: GTW661-804-2-2**      **Lab ID: 92207091002**      Collected: 06/26/14 14:00      Received: 06/27/14 09:40      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015 Modified      Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	ND	mg/kg	9.9	1	06/30/14 17:30	07/01/14 07:39	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	110	%	70-167	1	06/30/14 17:30	07/01/14 07:39	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	6.5	%	0.10	1		06/30/14 15:24		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

**Sample: GTW661-804-2-3**      **Lab ID: 92207091003**      Collected: 06/26/14 14:03      Received: 06/27/14 09:40      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260/5035A Volatile Organics</b>		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	1030	250		07/04/14 12:06	71-43-2	D3
Ethylbenzene	ND	ug/kg	1030	250		07/04/14 12:06	100-41-4	
Naphthalene	ND	ug/kg	1030	250		07/04/14 12:06	91-20-3	
Toluene	ND	ug/kg	1030	250		07/04/14 12:06	108-88-3	
Xylene (Total)	ND	ug/kg	2070	250		07/04/14 12:06	1330-20-7	
m&p-Xylene	ND	ug/kg	2070	250		07/04/14 12:06	179601-23-1	
o-Xylene	ND	ug/kg	1030	250		07/04/14 12:06	95-47-6	
<b>Surrogates</b>								
Toluene-d8 (S)	104	%	70-130	250		07/04/14 12:06	2037-26-5	
4-Bromofluorobenzene (S)	102	%	70-130	250		07/04/14 12:06	460-00-4	
1,2-Dichloroethane-d4 (S)	78	%	70-132	250		07/04/14 12:06	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>5.4</b>	%	0.10	1		06/30/14 15:24		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

**Sample: GTW661-804-3-1**      **Lab ID: 92207091004**      Collected: 06/26/14 12:26      Received: 06/27/14 09:40      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified		Preparation Method: EPA 3546				
Diesel Components	<b>1260</b>	mg/kg	27.0	5	06/27/14 17:12	07/01/14 12:06	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	0 %		41-119	5	06/27/14 17:12	07/01/14 12:06	629-99-2	S4
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>7.5</b>	%	0.10	1		06/30/14 15:30		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

**Sample: GTW661-804-3-2**      **Lab ID: 92207091005**      Collected: 06/26/14 12:09      Received: 06/27/14 09:40      Matrix: Solid

*Results reported on a "dry-weight" basis*

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 5035A/5030B						
Gasoline Range Organics	<b>511</b>	mg/kg	24.3	4	07/07/14 11:11	07/07/14 13:14	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	133	%	70-167	4	07/07/14 11:11	07/07/14 13:14	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>8.3</b>	%	0.10	1		06/30/14 15:24		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

**Sample: GTW661-804-3-3**      **Lab ID: 92207091006**      Collected: 06/26/14 12:13      Received: 06/27/14 09:40      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260/5035A Volatile Organics</b>		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	2220	500		07/04/14 12:27	71-43-2	D3
Ethylbenzene	ND	ug/kg	2220	500		07/04/14 12:27	100-41-4	
Naphthalene	ND	ug/kg	2220	500		07/04/14 12:27	91-20-3	
Toluene	ND	ug/kg	2220	500		07/04/14 12:27	108-88-3	
Xylene (Total)	ND	ug/kg	4430	500		07/04/14 12:27	1330-20-7	
m&p-Xylene	ND	ug/kg	4430	500		07/04/14 12:27	179601-23-1	
o-Xylene	ND	ug/kg	2220	500		07/04/14 12:27	95-47-6	
<b>Surrogates</b>								
Toluene-d8 (S)	96 %		70-130	500		07/04/14 12:27	2037-26-5	
4-Bromofluorobenzene (S)	99 %		70-130	500		07/04/14 12:27	460-00-4	
1,2-Dichloroethane-d4 (S)	78 %		70-132	500		07/04/14 12:27	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>8.7 %</b>		0.10	1		06/30/14 15:24		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 804  
Pace Project No.: 92207091

QC Batch: GCV/8280 Analysis Method: EPA 8015 Modified  
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics  
Associated Lab Samples: 92207091002

METHOD BLANK: 1232842 Matrix: Solid  
Associated Lab Samples: 92207091002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	07/01/14 01:57	
4-Bromofluorobenzene (S)	%	107	70-167	07/01/14 01:57	

LABORATORY CONTROL SAMPLE: 1232843

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	49.9	55.0	110	70-165	
4-Bromofluorobenzene (S)	%			110	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232844 1232845

Parameter	Units	92206911002 Result	MS		MSD		MS		MSD		% Rec Limits	RPD	Qual
			Spike Conc.	Spike Conc.	Result	Result	% Rec	% Rec					
Gasoline Range Organics	mg/kg	ND	53.1	53.1	58.2	59.6	109	112	47-187	2			
4-Bromofluorobenzene (S)	%						106	101	70-167				

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

QC Batch: MSV/27469 Analysis Method: EPA 8260  
 QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
 Associated Lab Samples: 92207091003, 92207091006

METHOD BLANK: 1236007 Matrix: Solid

Associated Lab Samples: 92207091003, 92207091006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	4.3	07/04/14 10:46	
Ethylbenzene	ug/kg	ND	4.3	07/04/14 10:46	
m&p-Xylene	ug/kg	ND	8.6	07/04/14 10:46	
Naphthalene	ug/kg	ND	4.3	07/04/14 10:46	
o-Xylene	ug/kg	ND	4.3	07/04/14 10:46	
Toluene	ug/kg	ND	4.3	07/04/14 10:46	
Xylene (Total)	ug/kg	ND	8.6	07/04/14 10:46	
1,2-Dichloroethane-d4 (S)	%	81	70-132	07/04/14 10:46	
4-Bromofluorobenzene (S)	%	104	70-130	07/04/14 10:46	
Toluene-d8 (S)	%	103	70-130	07/04/14 10:46	

LABORATORY CONTROL SAMPLE: 1236008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	44.6	47.4	106	73-135	
Ethylbenzene	ug/kg	44.6	46.0	103	75-133	
m&p-Xylene	ug/kg	89.1	94.5	106	75-136	
Naphthalene	ug/kg	44.6	45.8	103	68-151	
o-Xylene	ug/kg	44.6	47.1	106	76-141	
Toluene	ug/kg	44.6	44.8	100	74-131	
Xylene (Total)	ug/kg	134	142	106	76-137	
1,2-Dichloroethane-d4 (S)	%			76	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1236060

Parameter	Units	92207218011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	62.2	73.4	118	50-166	
Toluene	ug/kg	ND	62.2	68.6	110	52-163	
1,2-Dichloroethane-d4 (S)	%				88	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

SAMPLE DUPLICATE: 1236059

Parameter	Units	92207165002 Result	Dup Result	RPD	Qualifiers
Benzene	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	92	89	32	
4-Bromofluorobenzene (S)	%	104	106	36	
Toluene-d8 (S)	%	101	101	35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

QC Batch: OEXT/28545 Analysis Method: EPA 8015 Modified  
 QC Batch Method: EPA 3546 Analysis Description: 8015 Solid GCSV  
 Associated Lab Samples: 92207091001, 92207091004

METHOD BLANK: 1230775 Matrix: Solid

Associated Lab Samples: 92207091001, 92207091004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	06/30/14 13:55	
n-Pentacosane (S)	%	91	41-119	06/30/14 13:55	

LABORATORY CONTROL SAMPLE: 1230776

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	57.0	86	49-113	
n-Pentacosane (S)	%			90	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1230777 1230778

Parameter	Units	92207050001		1230777		1230778		% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec			
Diesel Components	mg/kg	<6.7	89.1	68.4	69.5	76	77	10-146	2	
n-Pentacosane (S)	%					77	83	41-119		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

QC Batch:	PMST/6754	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92207091001, 92207091004		

---

SAMPLE DUPLICATE: 1232116

Parameter	Units	92206942001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	10.6	10.5	1	

---

SAMPLE DUPLICATE: 1232117

Parameter	Units	92207173008 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.8	16.4	18	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





## QUALIFIERS

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

D3 Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.

S4 Surrogate recovery not evaluated against control limits due to sample dilution.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: BUZZARD POINT LOT 804

Pace Project No.: 92207091

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207091001	GTW661-804-2-1	EPA 3546	OEXT/28545	EPA 8015 Modified	GCSV/18073
92207091004	GTW661-804-3-1	EPA 3546	OEXT/28545	EPA 8015 Modified	GCSV/18073
92207091002	GTW661-804-2-2	EPA 5035A/5030B	GCV/8280	EPA 8015 Modified	GCV/8283
92207091005	GTW661-804-3-2	EPA 5035A/5030B	GCV/8286	EPA 8015 Modified	GCV/8290
92207091003	GTW661-804-2-3	EPA 8260	MSV/27469		
92207091006	GTW661-804-3-3	EPA 8260	MSV/27469		
92207091001	GTW661-804-2-1	ASTM D2974-87	PMST/6754		
92207091002	GTW661-804-2-2	ASTM D2974-87	PMST/6755		
92207091003	GTW661-804-2-3	ASTM D2974-87	PMST/6755		
92207091004	GTW661-804-3-1	ASTM D2974-87	PMST/6754		
92207091005	GTW661-804-3-2	ASTM D2974-87	PMST/6755		
92207091006	GTW661-804-3-3	ASTM D2974-87	PMST/6755		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-003-rev.14**

Document Revised: April 07, 2014  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: Haley and Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 T1401 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 3.9 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional  
 Proj. Due Date:  
 Proj. Name:

Date and Initials of person examining contents: JB 6/27/14

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		<i>No analysis on two soil kits for sample #3 No analysis on two soil kits for sample #6</i>
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: VCH Date: 6/27/14  
 SRF Review: VCH Date: 6/28/14

Place label here

WO#: 92207091

92207091

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Company: **Haley & Aldrich** Section B Required Project Information: Report To: **John Roche** Section C Invoice Information: Attention: **John Roche**

Address: **7926 Jones Branch Drive, Suite 870** Copy To: **McLean, VA 22102** Purchase Order No.: **0396-2**  
 Email To: **John Roche** @haleyaldrich.com Project Name: **Buzzard Point LOT 804** Address: **0396-2**  
 Phone: **703-336-6204** Fax: **703-336-6254** Project Number: **40223-002** Reference: **Kevin Herring**  
 Requested Due Date/TAT: **STANDARD** Project Number: **40223-002** Manager: **Kevin Herring** Face Profile #: **0396-2**

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives						Analysis Test	Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	
			COMPOSITE START	COMPOSITE END/GRAB			H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH	Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>	Methanol				Other
1	<del>GTW661-804-1-1</del>	SL				1	X									
2	<del>GTW661-804-1-2</del>	SL														
3	<del>GTW661-804-1-3</del>	SL														
4	<del>GTW661-804-1-4</del>	SL														
5	<del>GTW661-804-1-1</del>	WT														
6	GTW661-804-2-1	SL	06/26/14	14:14		1	X									
7	GTW661-804-2-2	SL	06/26/14	14:00		3										
8	GTW661-804-2-3	SL	06/26/14	14:03		12										
9	GTW-661-804-3-1	SL	06/26/14	12:26		1	X									
10	GTW-661-804-3-2	SL	06/26/14	12:09		3										
11	GTW-661-804-3-3	SL	06/26/14	12:13		12										
12																

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
	CHRISTIAN TSCHIBELU	06/26/14	12:00	KEVIN HERRING	06/26/14	17:40	
				John Roche	06/27/14	9:10	

SAMPLER NAME AND SIGNATURE: **CHRISTIAN TSCHIBELU**

PRINT Name of SAMPLER: **CHRISTIAN TSCHIBELU**

SIGNATURE of SAMPLER: *[Signature]*

DATE Signed (MM/DD/YY): **06/26/14**

Temp in °C: **3.9**

Received on Ice (Y/N): **Y**

Custody Sealed Cooler (Y/N): **N**

Samples Intact (Y/N): **Y**

July 07, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: Buzzard Point LOT 24 40223-002  
Pace Project No.: 92207220

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on June 28, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

---

### Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207220001	GTW661-24-1-1	EPA 8015 Modified	JDW1	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207220002	GTW661-24-1-2	EPA 8015 Modified	GAW	2	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207220003	GTW661-24-1-3	EPA 8260	DLK	10	PASI-C
		ASTM D2974-87	AES	1	PASI-C
92207220004	GTW661-24-1-4	EPA 8082	RES	8	PASI-C
		ASTM D2974-87	AES	1	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207220001</b>	<b>GTW661-24-1-1</b>					
ASTM D2974-87	Percent Moisture	15.1 %		0.10	06/30/14 15:25	
<b>92207220002</b>	<b>GTW661-24-1-2</b>					
ASTM D2974-87	Percent Moisture	15.9 %		0.10	06/30/14 15:18	
<b>92207220003</b>	<b>GTW661-24-1-3</b>					
ASTM D2974-87	Percent Moisture	13.1 %		0.10	06/30/14 15:19	
<b>92207220004</b>	<b>GTW661-24-1-4</b>					
ASTM D2974-87	Percent Moisture	16.3 %		0.10	06/30/14 15:25	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

---

**Sample:** GTW661-24-1-1      **Lab ID:** 92207220001      Collected: 06/27/14 09:30      Received: 06/28/14 09:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified    Preparation Method: EPA 3546						
Diesel Components	ND	mg/kg	5.9	1	06/30/14 15:34	07/02/14 11:10	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	93 %		41-119	1	06/30/14 15:34	07/02/14 11:10	629-99-2	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>15.1 %</b>		0.10	1		06/30/14 15:25		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

**Sample: GTW661-24-1-2**      **Lab ID: 92207220002**      Collected: 06/27/14 09:36      Received: 06/28/14 09:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 8015 Modified		Preparation Method: EPA 5035A/5030B				
Gasoline Range Organics	ND	mg/kg	4.7	1	07/01/14 09:26	07/01/14 23:11	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	106 %		70-167	1	07/01/14 09:26	07/01/14 23:11	460-00-4	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>15.9 %</b>		0.10	1		06/30/14 15:18		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

**Sample:** GTW661-24-1-3      **Lab ID:** 92207220003      Collected: 06/27/14 09:46      Received: 06/28/14 09:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260/5035A Volatile Organics</b>		Analytical Method: EPA 8260						
Benzene	ND	ug/kg	4.1	1		07/04/14 16:28	71-43-2	
Ethylbenzene	ND	ug/kg	4.1	1		07/04/14 16:28	100-41-4	
Naphthalene	ND	ug/kg	4.1	1		07/04/14 16:28	91-20-3	
Toluene	ND	ug/kg	4.1	1		07/04/14 16:28	108-88-3	
Xylene (Total)	ND	ug/kg	8.2	1		07/04/14 16:28	1330-20-7	
m&p-Xylene	ND	ug/kg	8.2	1		07/04/14 16:28	179601-23-1	
o-Xylene	ND	ug/kg	4.1	1		07/04/14 16:28	95-47-6	
<b>Surrogates</b>								
Toluene-d8 (S)	100 %		70-130	1		07/04/14 16:28	2037-26-5	
4-Bromofluorobenzene (S)	105 %		70-130	1		07/04/14 16:28	460-00-4	
1,2-Dichloroethane-d4 (S)	96 %		70-132	1		07/04/14 16:28	17060-07-0	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>13.1 %</b>		0.10	1		06/30/14 15:19		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

**Sample:** GTW661-24-1-4      **Lab ID:** 92207220004      Collected: 06/27/14 09:33      Received: 06/28/14 09:00      Matrix: Solid

**Results reported on a "dry-weight" basis**

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8082 GCS PCB</b>		Analytical Method: EPA 8082    Preparation Method: EPA 3546						
PCB-1016 (Aroclor 1016)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	12674-11-2	
PCB-1221 (Aroclor 1221)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/kg	39.4	1	06/30/14 14:15	07/01/14 15:21	11096-82-5	
<b>Surrogates</b>								
Decachlorobiphenyl (S)	70 %		21-132	1	06/30/14 14:15	07/01/14 15:21	2051-24-3	
<b>Percent Moisture</b>		Analytical Method: ASTM D2974-87						
Percent Moisture	<b>16.3 %</b>		0.10	1		06/30/14 15:25		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

QC Batch:	GCV/8281	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 5035A/5030B	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92207220002		

METHOD BLANK: 1232987 Matrix: Solid

Associated Lab Samples: 92207220002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/kg	ND	6.0	07/02/14 01:29	
4-Bromofluorobenzene (S)	%	105	70-167	07/02/14 01:29	

LABORATORY CONTROL SAMPLE: 1232988

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Gasoline Range Organics	mg/kg	50.3	49.9	99	70-165	
4-Bromofluorobenzene (S)	%			107	70-167	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232989 1232990

Parameter	Units	92206753001		MSD		MSD		% Rec		RPD	Qual
		Result	MS Spike Conc.	Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	Limits		
Gasoline Range Organics	mg/kg	ND	107	107	147	102	136	94	47-187	36	M0
4-Bromofluorobenzene (S)	%						111	104	70-167		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

QC Batch:	MSV/27469	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV 5035A Volatile Organics
Associated Lab Samples:	92207220003		

METHOD BLANK: 1236007 Matrix: Solid

Associated Lab Samples: 92207220003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	4.3	07/04/14 10:46	
Ethylbenzene	ug/kg	ND	4.3	07/04/14 10:46	
m&p-Xylene	ug/kg	ND	8.6	07/04/14 10:46	
Naphthalene	ug/kg	ND	4.3	07/04/14 10:46	
o-Xylene	ug/kg	ND	4.3	07/04/14 10:46	
Toluene	ug/kg	ND	4.3	07/04/14 10:46	
Xylene (Total)	ug/kg	ND	8.6	07/04/14 10:46	
1,2-Dichloroethane-d4 (S)	%	81	70-132	07/04/14 10:46	
4-Bromofluorobenzene (S)	%	104	70-130	07/04/14 10:46	
Toluene-d8 (S)	%	103	70-130	07/04/14 10:46	

LABORATORY CONTROL SAMPLE: 1236008

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	44.6	47.4	106	73-135	
Ethylbenzene	ug/kg	44.6	46.0	103	75-133	
m&p-Xylene	ug/kg	89.1	94.5	106	75-136	
Naphthalene	ug/kg	44.6	45.8	103	68-151	
o-Xylene	ug/kg	44.6	47.1	106	76-141	
Toluene	ug/kg	44.6	44.8	100	74-131	
Xylene (Total)	ug/kg	134	142	106	76-137	
1,2-Dichloroethane-d4 (S)	%			76	70-132	
4-Bromofluorobenzene (S)	%			103	70-130	
Toluene-d8 (S)	%			97	70-130	

MATRIX SPIKE SAMPLE: 1236060

Parameter	Units	92207218011 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	ND	62.2	73.4	118	50-166	
Toluene	ug/kg	ND	62.2	68.6	110	52-163	
1,2-Dichloroethane-d4 (S)	%				88	70-132	
4-Bromofluorobenzene (S)	%				99	70-130	
Toluene-d8 (S)	%				98	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

SAMPLE DUPLICATE: 1236059

Parameter	Units	92207165002 Result	Dup Result	RPD	Qualifiers
Benzene	ug/kg	ND	ND		
Ethylbenzene	ug/kg	ND	ND		
m&p-Xylene	ug/kg	ND	ND		
Naphthalene	ug/kg	ND	ND		
o-Xylene	ug/kg	ND	ND		
Toluene	ug/kg	ND	ND		
Xylene (Total)	ug/kg	ND	ND		
1,2-Dichloroethane-d4 (S)	%	92	89	32	
4-Bromofluorobenzene (S)	%	104	106	36	
Toluene-d8 (S)	%	101	101	35	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

QC Batch: OEXT/28589	Analysis Method: EPA 8015 Modified
QC Batch Method: EPA 3546	Analysis Description: 8015 Solid GCSV
Associated Lab Samples: 92207220001	

METHOD BLANK: 1232671 Matrix: Solid

Associated Lab Samples: 92207220001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/kg	ND	5.0	07/02/14 11:10	
n-Pentacosane (S)	%	97	41-119	07/02/14 11:10	

LABORATORY CONTROL SAMPLE: 1232672

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/kg	66.7	55.6	83	49-113	
n-Pentacosane (S)	%			88	41-119	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232673 1232674

Parameter	Units	92207220001		1232674		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Diesel Components	mg/kg	ND	78.5	78.5	63.7	66.0	80	83	10-146	3
n-Pentacosane (S)	%						85	88	41-119	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

QC Batch: OEXT/28582 Analysis Method: EPA 8082  
 QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB  
 Associated Lab Samples: 92207220004

METHOD BLANK: 1232524 Matrix: Solid  
 Associated Lab Samples: 92207220004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	ND	33.0	07/01/14 14:40	
PCB-1221 (Aroclor 1221)	ug/kg	ND	33.0	07/01/14 14:40	
PCB-1232 (Aroclor 1232)	ug/kg	ND	33.0	07/01/14 14:40	
PCB-1242 (Aroclor 1242)	ug/kg	ND	33.0	07/01/14 14:40	
PCB-1248 (Aroclor 1248)	ug/kg	ND	33.0	07/01/14 14:40	
PCB-1254 (Aroclor 1254)	ug/kg	ND	33.0	07/01/14 14:40	
PCB-1260 (Aroclor 1260)	ug/kg	ND	33.0	07/01/14 14:40	
Decachlorobiphenyl (S)	%	77	21-132	07/01/14 14:40	

LABORATORY CONTROL SAMPLE: 1232525

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/kg	167	103	62	31-120	
PCB-1260 (Aroclor 1260)	ug/kg	167	134	81	32-120	
Decachlorobiphenyl (S)	%			75	21-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232526 1232527

Parameter	Units	92207220004 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					
PCB-1016 (Aroclor 1016)	ug/kg	ND	199	199	139	123	70	62	49-150	12	
PCB-1260 (Aroclor 1260)	ug/kg	ND	199	199	168	156	85	78	50-150	8	
Decachlorobiphenyl (S)	%						76	77	21-132		

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1232528 1232529

Parameter	Units	92207116001 Result	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
			Spike Conc.	MS Result	Spike Conc.	MSD Result					
PCB-1016 (Aroclor 1016)	ug/kg	ND	230	230	145	121	63	53	49-150	18	
PCB-1260 (Aroclor 1260)	ug/kg	ND	230	230	174	151	76	66	50-150	14	
Decachlorobiphenyl (S)	%						71	67	21-132		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

---

QC Batch:	PMST/6755	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92207220001, 92207220004		

---

SAMPLE DUPLICATE: 1232119

Parameter	Units	92207120001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	19.5	21.1	8	

---

SAMPLE DUPLICATE: 1232120

Parameter	Units	92207147001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	8.7	8.8	1	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

---

QC Batch:	PMST/6756	Analysis Method:	ASTM D2974-87
QC Batch Method:	ASTM D2974-87	Analysis Description:	Dry Weight/Percent Moisture
Associated Lab Samples:	92207220002, 92207220003		

---

SAMPLE DUPLICATE: 1232122

Parameter	Units	92207225001 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	15.0	15.3	2	

---

SAMPLE DUPLICATE: 1232123

Parameter	Units	92207229003 Result	Dup Result	RPD	Qualifiers
Percent Moisture	%	17.8	17.1	4	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: Buzzard Point LOT 24 40223-002  
Pace Project No.: 92207220

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

M0 Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: Buzzard Point LOT 24 40223-002

Pace Project No.: 92207220

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207220001	GTW661-24-1-1	EPA 3546	OEXT/28589	EPA 8015 Modified	GCSV/18097
92207220004	GTW661-24-1-4	EPA 3546	OEXT/28582	EPA 8082	GCSV/18092
92207220002	GTW661-24-1-2	EPA 5035A/5030B	GCV/8281	EPA 8015 Modified	GCV/8285
92207220003	GTW661-24-1-3	EPA 8260	MSV/27469		
92207220001	GTW661-24-1-1	ASTM D2974-87	PMST/6755		
92207220002	GTW661-24-1-2	ASTM D2974-87	PMST/6756		
92207220003	GTW661-24-1-3	ASTM D2974-87	PMST/6756		
92207220004	GTW661-24-1-4	ASTM D2974-87	PMST/6755		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Document Name:  
**Sample Condition Upon Receipt (SCUR)**  
 Document Number:  
**F-CHR-CS-003-rev.14**

Document Revised: April 07, 2014  
 Page 1 of 2  
 Issuing Authority:  
 Pace Huntersville Quality Office

Client Name: Haley & Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no    Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 (T1401)    Type of Ice: (Wet) Blue None  Samples on ice, cooling process has begun

Temp Correction Factor    T1102: No Correction    T1301: No Correction

Corrected Cooler Temp.: 4.8 °C    Biological Tissue is Frozen: Yes No (N/A)

Temp should be above freezing to 6°C

Optional  
 Proj. Due Date:  
 Proj. Name:

Date and Initials of person examining contents: 06/28/14

	Comments:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	
All containers needing preservation have been checked. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

**Client Notification/ Resolution:**

Field Data Required?    Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: UL    Date: 6/28/14  
 SRF Review: AMB    Date: 10-30-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

Class label here  
**WO# : 92207220**  
  
 92207220



July 10, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: 40223-002 Buzzard Point LOT804  
Pace Project No.: 92207912

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## CERTIFICATIONS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

---

### Charlotte Certification IDs

9800 Kinsey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207912001	GTW661-804-1-1	EPA 8015 Modified	JDW1	2	PASI-C
92207912002	GTW661-804-1-2	EPA 5030/8015 Mod.	GAW	2	PASI-C
92207912003	GTW661-804-1-3	EPA 8260	GAW	63	PASI-C
92207912004	GTW661-804-1-4	EPA 8011	JMC	2	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207912002</b>	<b>GTW661-804-1-2</b>					
EPA 5030/8015 Mod.	Gasoline Range Organics	0.66	mg/L	0.080	07/10/14 10:16	
<b>92207912003</b>	<b>GTW661-804-1-3</b>					
EPA 8260	Acetone	25.8	ug/L	25.0	07/05/14 06:44	
EPA 8260	Benzene	34.4	ug/L	1.0	07/05/14 06:44	
EPA 8260	Chloromethane	4.4	ug/L	1.0	07/05/14 06:44	
EPA 8260	Naphthalene	1.4	ug/L	1.0	07/05/14 06:44	
EPA 8260	Toluene	2.0	ug/L	1.0	07/05/14 06:44	
EPA 8260	Xylene (Total)	2.5	ug/L	2.0	07/05/14 06:44	
EPA 8260	m&p-Xylene	2.5	ug/L	2.0	07/05/14 06:44	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GTW661-804-1-1      Lab ID: 92207912001      Collected: 07/02/14 09:31      Received: 07/03/14 09:25      Matrix: Water</b>								
<b>8015 GCS THC-Diesel</b> Analytical Method: EPA 8015 Modified      Preparation Method: EPA 3510								
Diesel Components	ND	mg/L	0.50	1	07/08/14 11:50	07/09/14 13:05	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	84	%	48-110	1	07/08/14 11:50	07/09/14 13:05	629-99-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Sample: GTW661-804-1-2		Lab ID: 92207912002	Collected: 07/02/14 09:53	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 5030/8015 Mod.						
Gasoline Range Organics	<b>0.66</b>	mg/L	0.080	1		07/10/14 10:16	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	98 %		70-145	1		07/10/14 10:16	460-00-4	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Sample Project No.: 92207912

Sample: GTW661-804-1-3		Lab ID: 92207912003	Collected: 07/02/14 09:56	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	25.8 ug/L		25.0	1		07/05/14 06:44	67-64-1	
Benzene	34.4 ug/L		1.0	1		07/05/14 06:44	71-43-2	
Bromobenzene	ND ug/L		1.0	1		07/05/14 06:44	108-86-1	
Bromochloromethane	ND ug/L		1.0	1		07/05/14 06:44	74-97-5	
Bromodichloromethane	ND ug/L		1.0	1		07/05/14 06:44	75-27-4	
Bromoform	ND ug/L		1.0	1		07/05/14 06:44	75-25-2	
Bromomethane	ND ug/L		2.0	1		07/05/14 06:44	74-83-9	
2-Butanone (MEK)	ND ug/L		5.0	1		07/05/14 06:44	78-93-3	
Carbon tetrachloride	ND ug/L		1.0	1		07/05/14 06:44	56-23-5	
Chlorobenzene	ND ug/L		1.0	1		07/05/14 06:44	108-90-7	
Chloroethane	ND ug/L		1.0	1		07/05/14 06:44	75-00-3	
Chloroform	ND ug/L		1.0	1		07/05/14 06:44	67-66-3	
Chloromethane	4.4 ug/L		1.0	1		07/05/14 06:44	74-87-3	
2-Chlorotoluene	ND ug/L		1.0	1		07/05/14 06:44	95-49-8	
4-Chlorotoluene	ND ug/L		1.0	1		07/05/14 06:44	106-43-4	
1,2-Dibromo-3-chloropropane	ND ug/L		2.0	1		07/05/14 06:44	96-12-8	
Dibromochloromethane	ND ug/L		1.0	1		07/05/14 06:44	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/L		1.0	1		07/05/14 06:44	106-93-4	
Dibromomethane	ND ug/L		1.0	1		07/05/14 06:44	74-95-3	
1,2-Dichlorobenzene	ND ug/L		1.0	1		07/05/14 06:44	95-50-1	
1,3-Dichlorobenzene	ND ug/L		1.0	1		07/05/14 06:44	541-73-1	
1,4-Dichlorobenzene	ND ug/L		1.0	1		07/05/14 06:44	106-46-7	
Dichlorodifluoromethane	ND ug/L		1.0	1		07/05/14 06:44	75-71-8	
1,1-Dichloroethane	ND ug/L		1.0	1		07/05/14 06:44	75-34-3	
1,2-Dichloroethane	ND ug/L		1.0	1		07/05/14 06:44	107-06-2	
1,1-Dichloroethene	ND ug/L		1.0	1		07/05/14 06:44	75-35-4	
cis-1,2-Dichloroethene	ND ug/L		1.0	1		07/05/14 06:44	156-59-2	
trans-1,2-Dichloroethene	ND ug/L		1.0	1		07/05/14 06:44	156-60-5	
1,2-Dichloropropane	ND ug/L		1.0	1		07/05/14 06:44	78-87-5	
1,3-Dichloropropane	ND ug/L		1.0	1		07/05/14 06:44	142-28-9	
2,2-Dichloropropane	ND ug/L		1.0	1		07/05/14 06:44	594-20-7	
1,1-Dichloropropene	ND ug/L		1.0	1		07/05/14 06:44	563-58-6	
cis-1,3-Dichloropropene	ND ug/L		1.0	1		07/05/14 06:44	10061-01-5	
trans-1,3-Dichloropropene	ND ug/L		1.0	1		07/05/14 06:44	10061-02-6	
Diisopropyl ether	ND ug/L		1.0	1		07/05/14 06:44	108-20-3	
Ethylbenzene	ND ug/L		1.0	1		07/05/14 06:44	100-41-4	
Hexachloro-1,3-butadiene	ND ug/L		1.0	1		07/05/14 06:44	87-68-3	
2-Hexanone	ND ug/L		5.0	1		07/05/14 06:44	591-78-6	
p-Isopropyltoluene	ND ug/L		1.0	1		07/05/14 06:44	99-87-6	
Methylene Chloride	ND ug/L		2.0	1		07/05/14 06:44	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/L		5.0	1		07/05/14 06:44	108-10-1	
Methyl-tert-butyl ether	ND ug/L		1.0	1		07/05/14 06:44	1634-04-4	
Naphthalene	1.4 ug/L		1.0	1		07/05/14 06:44	91-20-3	
Styrene	ND ug/L		1.0	1		07/05/14 06:44	100-42-5	
1,1,1,2-Tetrachloroethane	ND ug/L		1.0	1		07/05/14 06:44	630-20-6	
1,1,2,2-Tetrachloroethane	ND ug/L		1.0	1		07/05/14 06:44	79-34-5	
Tetrachloroethene	ND ug/L		1.0	1		07/05/14 06:44	127-18-4	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Sample: GTW661-804-1-3		Lab ID: 92207912003	Collected: 07/02/14 09:56	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	2.0 ug/L		1.0	1		07/05/14 06:44	108-88-3	
1,2,3-Trichlorobenzene	ND ug/L		1.0	1		07/05/14 06:44	87-61-6	
1,2,4-Trichlorobenzene	ND ug/L		1.0	1		07/05/14 06:44	120-82-1	
1,1,1-Trichloroethane	ND ug/L		1.0	1		07/05/14 06:44	71-55-6	
1,1,2-Trichloroethane	ND ug/L		1.0	1		07/05/14 06:44	79-00-5	
Trichloroethene	ND ug/L		1.0	1		07/05/14 06:44	79-01-6	
Trichlorofluoromethane	ND ug/L		1.0	1		07/05/14 06:44	75-69-4	
1,2,3-Trichloropropane	ND ug/L		1.0	1		07/05/14 06:44	96-18-4	
Vinyl acetate	ND ug/L		2.0	1		07/05/14 06:44	108-05-4	
Vinyl chloride	ND ug/L		1.0	1		07/05/14 06:44	75-01-4	
Xylene (Total)	2.5 ug/L		2.0	1		07/05/14 06:44	1330-20-7	
m&p-Xylene	2.5 ug/L		2.0	1		07/05/14 06:44	179601-23-1	
o-Xylene	ND ug/L		1.0	1		07/05/14 06:44	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94 %		70-130	1		07/05/14 06:44	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		07/05/14 06:44	17060-07-0	
Toluene-d8 (S)	100 %		70-130	1		07/05/14 06:44	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Sample: GTW661-804-1-4		Lab ID: 92207912004	Collected: 07/02/14 09:59	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011						
1,2-Dibromoethane (EDB)	ND ug/L		0.020	1	07/08/14 17:17	07/09/14 12:06	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	98 %		60-140	1	07/08/14 17:17	07/09/14 12:06	301-79-56	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

QC Batch:	GCV/8304	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92207912002		

METHOD BLANK: 1236899 Matrix: Water

Associated Lab Samples: 92207912002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/L	ND	0.080	07/10/14 01:07	
4-Bromofluorobenzene (S)	%	98	70-145	07/10/14 01:07	

LABORATORY CONTROL SAMPLE & LCSD: 1236900

1236901

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/L	1	0.91	0.91	91	91	70-150	0	30	
4-Bromofluorobenzene (S)	%				97	97	70-145			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

QC Batch: MSV/27478

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92207912003

METHOD BLANK: 1236051

Matrix: Water

Associated Lab Samples: 92207912003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,3-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
2,2-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
2-Butanone (MEK)	ug/L	ND	5.0	07/05/14 03:13	
2-Chlorotoluene	ug/L	ND	1.0	07/05/14 03:13	
2-Hexanone	ug/L	ND	5.0	07/05/14 03:13	
4-Chlorotoluene	ug/L	ND	1.0	07/05/14 03:13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	07/05/14 03:13	
Acetone	ug/L	ND	25.0	07/05/14 03:13	
Benzene	ug/L	ND	1.0	07/05/14 03:13	
Bromobenzene	ug/L	ND	1.0	07/05/14 03:13	
Bromochloromethane	ug/L	ND	1.0	07/05/14 03:13	
Bromodichloromethane	ug/L	ND	1.0	07/05/14 03:13	
Bromoform	ug/L	ND	1.0	07/05/14 03:13	
Bromomethane	ug/L	ND	2.0	07/05/14 03:13	
Carbon tetrachloride	ug/L	ND	1.0	07/05/14 03:13	
Chlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
Chloroethane	ug/L	ND	1.0	07/05/14 03:13	
Chloroform	ug/L	ND	1.0	07/05/14 03:13	
Chloromethane	ug/L	ND	1.0	07/05/14 03:13	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
Dibromochloromethane	ug/L	ND	1.0	07/05/14 03:13	
Dibromomethane	ug/L	ND	1.0	07/05/14 03:13	
Dichlorodifluoromethane	ug/L	ND	1.0	07/05/14 03:13	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

METHOD BLANK: 1236051

Matrix: Water

Associated Lab Samples: 92207912003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	07/05/14 03:13	
Ethylbenzene	ug/L	ND	1.0	07/05/14 03:13	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/05/14 03:13	
m&p-Xylene	ug/L	ND	2.0	07/05/14 03:13	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/05/14 03:13	
Methylene Chloride	ug/L	ND	2.0	07/05/14 03:13	
Naphthalene	ug/L	ND	1.0	07/05/14 03:13	
o-Xylene	ug/L	ND	1.0	07/05/14 03:13	
p-Isopropyltoluene	ug/L	ND	1.0	07/05/14 03:13	
Styrene	ug/L	ND	1.0	07/05/14 03:13	
Tetrachloroethene	ug/L	ND	1.0	07/05/14 03:13	
Toluene	ug/L	ND	1.0	07/05/14 03:13	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
Trichloroethene	ug/L	ND	1.0	07/05/14 03:13	
Trichlorofluoromethane	ug/L	ND	1.0	07/05/14 03:13	
Vinyl acetate	ug/L	ND	2.0	07/05/14 03:13	
Vinyl chloride	ug/L	ND	1.0	07/05/14 03:13	
Xylene (Total)	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/05/14 03:13	
4-Bromofluorobenzene (S)	%	91	70-130	07/05/14 03:13	
Toluene-d8 (S)	%	103	70-130	07/05/14 03:13	

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	70-130	
1,1,1-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.2	108	70-130	
1,1,2-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethene	ug/L	50	52.6	105	70-132	
1,1-Dichloropropene	ug/L	50	54.5	109	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.6	101	70-135	
1,2,3-Trichloropropane	ug/L	50	51.7	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	56.4	113	70-130	
1,2-Dichloropropane	ug/L	50	55.3	111	70-130	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,3-Dichloropropane	ug/L	50	55.3	111	70-130	
1,4-Dichlorobenzene	ug/L	50	51.7	103	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	38.1	76	58-145	
2-Butanone (MEK)	ug/L	100	113	113	70-145	
2-Chlorotoluene	ug/L	50	47.6	95	70-130	
2-Hexanone	ug/L	100	106	106	70-144	
4-Chlorotoluene	ug/L	50	50.2	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	53.4	107	70-130	
Bromobenzene	ug/L	50	51.0	102	70-130	
Bromochloromethane	ug/L	50	55.2	110	70-130	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	38.5	77	70-130	
Bromomethane	ug/L	50	50.0	100	54-130	
Carbon tetrachloride	ug/L	50	42.4	85	70-132	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	62.5	125	64-134	
Chloroform	ug/L	50	52.2	104	70-130	
Chloromethane	ug/L	50	50.4	101	64-130	
cis-1,2-Dichloroethene	ug/L	50	55.6	111	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Dibromochloromethane	ug/L	50	42.9	86	70-130	
Dibromomethane	ug/L	50	45.8	92	70-131	
Dichlorodifluoromethane	ug/L	50	64.7	129	56-130	
Diisopropyl ether	ug/L	50	58.7	117	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	43.2	86	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	54.0	108	70-130	
Methylene Chloride	ug/L	50	54.1	108	63-130	
Naphthalene	ug/L	50	53.6	107	70-138	
o-Xylene	ug/L	50	51.8	104	70-130	
p-Isopropyltoluene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	47.2	94	70-130	
Toluene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.7	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	70-132	
Trichloroethene	ug/L	50	51.5	103	70-130	
Trichlorofluoromethane	ug/L	50	66.3	133	62-133	
Vinyl acetate	ug/L	100	102	102	66-157	
Vinyl chloride	ug/L	50	58.7	117	50-150	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

MATRIX SPIKE SAMPLE: 1236107		92207814005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	50	60.3	121	70-166	
Benzene	ug/L	ND	50	58.9	118	70-148	
Chlorobenzene	ug/L	ND	50	53.2	106	70-146	
Toluene	ug/L	ND	50	55.2	110	70-155	
Trichloroethene	ug/L	ND	50	58.1	116	69-151	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004	Dup	RPD	Qualifiers
		Result	Result		
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,1-Dichloropropene	ug/L	ND	ND		
1,2,3-Trichlorobenzene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2,4-Trichlorobenzene	ug/L	ND	ND		
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,3-Dichlorobenzene	ug/L	ND	ND		
1,3-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2,2-Dichloropropane	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Chlorotoluene	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Chlorotoluene	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromobenzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004 Result	Dup Result	RPD	Qualifiers
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Dichlorodifluoromethane	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Hexachloro-1,3-butadiene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
p-Isopropyltoluene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	110	101	8	
4-Bromofluorobenzene (S)	%	94	98	4	
Toluene-d8 (S)	%	105	100	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

QC Batch: OEXT/28718	Analysis Method: EPA 8011
QC Batch Method: EPA 8011	Analysis Description: GCS 8011 EDB DBCP
Associated Lab Samples: 92207912004	

METHOD BLANK: 1237208 Matrix: Water  
Associated Lab Samples: 92207912004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	07/09/14 03:17	
1-Chloro-2-bromopropane (S)	%	97	60-140	07/09/14 03:17	

LABORATORY CONTROL SAMPLE & LCSD: 1237209

1237210

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.27	0.29	94	102	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				96	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1237211

1237212

Parameter	Units	92207866018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.29	0.29	102	102	60-140	0	
1-Chloro-2-bromopropane (S)	%						104	102	60-140		

SAMPLE DUPLICATE: 1237213

Parameter	Units	92207866019 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	98	95	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

QC Batch:	OEXT/28694	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples:	92207912001		

METHOD BLANK: 1236360 Matrix: Water

Associated Lab Samples: 92207912001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	ND	0.50	07/09/14 11:06	
n-Pentacosane (S)	%	94	48-110	07/09/14 11:06	

LABORATORY CONTROL SAMPLE: 1236361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	10	8.8	88	41-114	
n-Pentacosane (S)	%			89	48-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1236362 1236363

Parameter	Units	92207794010		1236363		MS		MSD		% Rec Limits	RPD	Qual
		Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	% Rec	% Rec				
Diesel Components	mg/L	0.87	20	20	19.4	14.6	92	69	41-114	28		
n-Pentacosane (S)	%						88	76	48-110			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## QUALIFIERS

Project: 40223-002 Buzzard Point LOT804  
Pace Project No.: 92207912

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207912

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207912004	GTW661-804-1-4	EPA 8011	OEXT/28718	EPA 8011	GCSV/18154
92207912001	GTW661-804-1-1	EPA 3510	OEXT/28694	EPA 8015 Modified	GCSV/18156
92207912002	GTW661-804-1-2	EPA 5030/8015 Mod.	GCV/8304		
92207912003	GTW661-804-1-3	EPA 8260	MSV/27478		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Sample Condition Upon Receipt (SCUR)

Document Number:  
F-CHR-CS-003-rev.14

Page 1 of 2

Issuing Authority:  
Pace Huntersville Quality Office

Client Name: Haley Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 T1401 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 0.7 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: AD 7/3/14

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review:

NS

Date: 7/3/14

SRF Review:

JS

Date: 7/7/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)

WO#: 92207912





July 10, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: 40223-002 Buzzard Point LOT804  
Pace Project No.: 92207890

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

---

### **Charlotte Certification IDs**

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207890001	GTW-661-804-2-1	EPA 8015 Modified	JDW1	2	PASI-C
92207890002	GTW-661-804-2-2	EPA 5030/8015 Mod.	GAW	2	PASI-C
92207890003	GTW-661-804-2-3	EPA 8260	GAW	63	PASI-C
92207890004	GTW-661-804-2-4	EPA 8011	JMC	2	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207890003</b>	<b>GTW-661-804-2-3</b>					
EPA 8260	Chloromethane	4.1	ug/L	1.0	07/05/14 05:56	
EPA 8260	Tetrachloroethene	2.3	ug/L	1.0	07/05/14 05:56	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Sample: GTW-661-804-2-1	Lab ID: 92207890001	Collected: 07/02/14 14:36	Received: 07/03/14 09:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510						
Diesel Components	ND	mg/L	0.50	1	07/08/14 11:50	07/09/14 13:29	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	79	%	48-110	1	07/08/14 11:50	07/09/14 13:29	629-99-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Sample: GTW-661-804-2-2</b>		<b>Lab ID: 92207890002</b>		Collected: 07/02/14 14:56	Received: 07/03/14 09:25	Matrix: Water		
<b>Gasoline Range Organics</b> Analytical Method: EPA 5030/8015 Mod.								
Gasoline Range Organics	ND	mg/L	0.080	1		07/10/14 07:35	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	96	%	70-145	1		07/10/14 07:35	460-00-4	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Sample: GTW-661-804-2-3		Lab ID: 92207890003	Collected: 07/02/14 14:59	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	1		07/05/14 05:56	67-64-1	
Benzene	ND	ug/L	1.0	1		07/05/14 05:56	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/05/14 05:56	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/05/14 05:56	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/05/14 05:56	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/05/14 05:56	75-25-2	
Bromomethane	ND	ug/L	2.0	1		07/05/14 05:56	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/05/14 05:56	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		07/05/14 05:56	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/05/14 05:56	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/05/14 05:56	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/05/14 05:56	67-66-3	
Chloromethane	4.1	ug/L	1.0	1		07/05/14 05:56	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/05/14 05:56	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/05/14 05:56	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		07/05/14 05:56	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		07/05/14 05:56	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/05/14 05:56	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/05/14 05:56	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/05/14 05:56	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/05/14 05:56	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/05/14 05:56	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/05/14 05:56	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/05/14 05:56	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/05/14 05:56	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/05/14 05:56	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/05/14 05:56	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/05/14 05:56	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/05/14 05:56	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/05/14 05:56	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/05/14 05:56	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/05/14 05:56	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/05/14 05:56	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/05/14 05:56	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		07/05/14 05:56	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		07/05/14 05:56	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/05/14 05:56	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/05/14 05:56	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/05/14 05:56	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		07/05/14 05:56	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/05/14 05:56	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/05/14 05:56	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/05/14 05:56	91-20-3	
Styrene	ND	ug/L	1.0	1		07/05/14 05:56	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/05/14 05:56	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/05/14 05:56	79-34-5	
Tetrachloroethene	2.3	ug/L	1.0	1		07/05/14 05:56	127-18-4	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Sample: GTW-661-804-2-3		Lab ID: 92207890003	Collected: 07/02/14 14:59	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		07/05/14 05:56	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/05/14 05:56	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/05/14 05:56	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/05/14 05:56	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/05/14 05:56	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/05/14 05:56	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/05/14 05:56	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/05/14 05:56	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		07/05/14 05:56	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		07/05/14 05:56	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/05/14 05:56	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/05/14 05:56	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/05/14 05:56	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	93 %		70-130	1		07/05/14 05:56	460-00-4	
1,2-Dichloroethane-d4 (S)	108 %		70-130	1		07/05/14 05:56	17060-07-0	
Toluene-d8 (S)	104 %		70-130	1		07/05/14 05:56	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Sample: GTW-661-804-2-4		Lab ID: 92207890004	Collected: 07/02/14 15:01	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011						
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	07/08/14 17:17	07/09/14 11:02	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	98 %		60-140	1	07/08/14 17:17	07/09/14 11:02	301-79-56	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

QC Batch:	GCV/8304	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92207890002		

METHOD BLANK: 1236899 Matrix: Water

Associated Lab Samples: 92207890002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/L	ND	0.080	07/10/14 01:07	
4-Bromofluorobenzene (S)	%	98	70-145	07/10/14 01:07	

LABORATORY CONTROL SAMPLE & LCSD: 1236900

1236901

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/L	1	0.91	0.91	91	91	70-150	0	30	
4-Bromofluorobenzene (S)	%				97	97	70-145			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

QC Batch: MSV/27478

Analysis Method: EPA 8260

QC Batch Method: EPA 8260

Analysis Description: 8260 MSV Low Level

Associated Lab Samples: 92207890003

METHOD BLANK: 1236051

Matrix: Water

Associated Lab Samples: 92207890003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,3-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
2,2-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
2-Butanone (MEK)	ug/L	ND	5.0	07/05/14 03:13	
2-Chlorotoluene	ug/L	ND	1.0	07/05/14 03:13	
2-Hexanone	ug/L	ND	5.0	07/05/14 03:13	
4-Chlorotoluene	ug/L	ND	1.0	07/05/14 03:13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	07/05/14 03:13	
Acetone	ug/L	ND	25.0	07/05/14 03:13	
Benzene	ug/L	ND	1.0	07/05/14 03:13	
Bromobenzene	ug/L	ND	1.0	07/05/14 03:13	
Bromochloromethane	ug/L	ND	1.0	07/05/14 03:13	
Bromodichloromethane	ug/L	ND	1.0	07/05/14 03:13	
Bromoform	ug/L	ND	1.0	07/05/14 03:13	
Bromomethane	ug/L	ND	2.0	07/05/14 03:13	
Carbon tetrachloride	ug/L	ND	1.0	07/05/14 03:13	
Chlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
Chloroethane	ug/L	ND	1.0	07/05/14 03:13	
Chloroform	ug/L	ND	1.0	07/05/14 03:13	
Chloromethane	ug/L	ND	1.0	07/05/14 03:13	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
Dibromochloromethane	ug/L	ND	1.0	07/05/14 03:13	
Dibromomethane	ug/L	ND	1.0	07/05/14 03:13	
Dichlorodifluoromethane	ug/L	ND	1.0	07/05/14 03:13	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

METHOD BLANK: 1236051

Matrix: Water

Associated Lab Samples: 92207890003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	07/05/14 03:13	
Ethylbenzene	ug/L	ND	1.0	07/05/14 03:13	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/05/14 03:13	
m&p-Xylene	ug/L	ND	2.0	07/05/14 03:13	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/05/14 03:13	
Methylene Chloride	ug/L	ND	2.0	07/05/14 03:13	
Naphthalene	ug/L	ND	1.0	07/05/14 03:13	
o-Xylene	ug/L	ND	1.0	07/05/14 03:13	
p-Isopropyltoluene	ug/L	ND	1.0	07/05/14 03:13	
Styrene	ug/L	ND	1.0	07/05/14 03:13	
Tetrachloroethene	ug/L	ND	1.0	07/05/14 03:13	
Toluene	ug/L	ND	1.0	07/05/14 03:13	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
Trichloroethene	ug/L	ND	1.0	07/05/14 03:13	
Trichlorofluoromethane	ug/L	ND	1.0	07/05/14 03:13	
Vinyl acetate	ug/L	ND	2.0	07/05/14 03:13	
Vinyl chloride	ug/L	ND	1.0	07/05/14 03:13	
Xylene (Total)	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/05/14 03:13	
4-Bromofluorobenzene (S)	%	91	70-130	07/05/14 03:13	
Toluene-d8 (S)	%	103	70-130	07/05/14 03:13	

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	70-130	
1,1,1-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.2	108	70-130	
1,1,2-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethene	ug/L	50	52.6	105	70-132	
1,1-Dichloropropene	ug/L	50	54.5	109	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.6	101	70-135	
1,2,3-Trichloropropane	ug/L	50	51.7	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	56.4	113	70-130	
1,2-Dichloropropane	ug/L	50	55.3	111	70-130	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,3-Dichloropropane	ug/L	50	55.3	111	70-130	
1,4-Dichlorobenzene	ug/L	50	51.7	103	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	38.1	76	58-145	
2-Butanone (MEK)	ug/L	100	113	113	70-145	
2-Chlorotoluene	ug/L	50	47.6	95	70-130	
2-Hexanone	ug/L	100	106	106	70-144	
4-Chlorotoluene	ug/L	50	50.2	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	53.4	107	70-130	
Bromobenzene	ug/L	50	51.0	102	70-130	
Bromochloromethane	ug/L	50	55.2	110	70-130	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	38.5	77	70-130	
Bromomethane	ug/L	50	50.0	100	54-130	
Carbon tetrachloride	ug/L	50	42.4	85	70-132	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	62.5	125	64-134	
Chloroform	ug/L	50	52.2	104	70-130	
Chloromethane	ug/L	50	50.4	101	64-130	
cis-1,2-Dichloroethene	ug/L	50	55.6	111	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Dibromochloromethane	ug/L	50	42.9	86	70-130	
Dibromomethane	ug/L	50	45.8	92	70-131	
Dichlorodifluoromethane	ug/L	50	64.7	129	56-130	
Diisopropyl ether	ug/L	50	58.7	117	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	43.2	86	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	54.0	108	70-130	
Methylene Chloride	ug/L	50	54.1	108	63-130	
Naphthalene	ug/L	50	53.6	107	70-138	
o-Xylene	ug/L	50	51.8	104	70-130	
p-Isopropyltoluene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	47.2	94	70-130	
Toluene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.7	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	70-132	
Trichloroethene	ug/L	50	51.5	103	70-130	
Trichlorofluoromethane	ug/L	50	66.3	133	62-133	
Vinyl acetate	ug/L	100	102	102	66-157	
Vinyl chloride	ug/L	50	58.7	117	50-150	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

MATRIX SPIKE SAMPLE: 1236107		92207814005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	50	60.3	121	70-166	
Benzene	ug/L	ND	50	58.9	118	70-148	
Chlorobenzene	ug/L	ND	50	53.2	106	70-146	
Toluene	ug/L	ND	50	55.2	110	70-155	
Trichloroethene	ug/L	ND	50	58.1	116	69-151	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004	Dup	RPD	Qualifiers
		Result	Result		
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,1-Dichloropropene	ug/L	ND	ND		
1,2,3-Trichlorobenzene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2,4-Trichlorobenzene	ug/L	ND	ND		
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,3-Dichlorobenzene	ug/L	ND	ND		
1,3-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2,2-Dichloropropane	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Chlorotoluene	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Chlorotoluene	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromobenzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004 Result	Dup Result	RPD	Qualifiers
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Dichlorodifluoromethane	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Hexachloro-1,3-butadiene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
p-Isopropyltoluene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	110	101	8	
4-Bromofluorobenzene (S)	%	94	98	4	
Toluene-d8 (S)	%	105	100	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

QC Batch:	OEXT/28718	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
Associated Lab Samples:	92207890004		

METHOD BLANK: 1237208 Matrix: Water  
Associated Lab Samples: 92207890004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	07/09/14 03:17	
1-Chloro-2-bromopropane (S)	%	97	60-140	07/09/14 03:17	

LABORATORY CONTROL SAMPLE & LCSD: 1237209

1237210

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.27	0.29	94	102	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				96	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1237211

1237212

Parameter	Units	92207866018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.29	0.29	102	102	60-140	0	
1-Chloro-2-bromopropane (S)	%						104	102	60-140		

SAMPLE DUPLICATE: 1237213

Parameter	Units	92207866019 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	98	95	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

QC Batch:	OEXT/28694	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples:	92207890001		

METHOD BLANK: 1236360 Matrix: Water

Associated Lab Samples: 92207890001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	ND	0.50	07/09/14 11:06	
n-Pentacosane (S)	%	94	48-110	07/09/14 11:06	

LABORATORY CONTROL SAMPLE: 1236361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	10	8.8	88	41-114	
n-Pentacosane (S)	%			89	48-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1236362 1236363

Parameter	Units	92207794010		1236363		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Diesel Components	mg/L	0.87	20	20	19.4	14.6	92	69	41-114	28
n-Pentacosane (S)	%						88	76	48-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: 40223-002 Buzzard Point LOT804  
Pace Project No.: 92207890

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207890

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207890004	GTW-661-804-2-4	EPA 8011	OEXT/28718	EPA 8011	GCSV/18154
92207890001	GTW-661-804-2-1	EPA 3510	OEXT/28694	EPA 8015 Modified	GCSV/18156
92207890002	GTW-661-804-2-2	EPA 5030/8015 Mod.	GCV/8304		
92207890003	GTW-661-804-2-3	EPA 8260	MSV/27478		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Client Name: Haley ? Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 **T1401** Type of Ice: **Wet** Blue None  Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 0.2 °C  
 Temp should be above freezing to 6°C

Biological Tissue is Frozen: Yes No N/A

Date and Initials of person examining contents: AD 7/3/14

Optional  
 Proj. Due Date:  
 Proj. Name:

	Comments:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	
All containers needing preservation have been checked. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: AB Date: 7/3/14  
 SRF Review: AMB Date: 7-3-14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

**WO# : 92207890**

92207890





# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

92007890

<b>Section A</b> Required Client Information: Company: <b>Halley &amp; Aldrich</b> Address: <b>7926 Jones Branch Drive, Suite 870</b> McLean, VA 22102 Email To: <b>John Roche</b> Phone: <b>703-336-6204</b> Fax: <b>703-336-6254</b> Requested Due Date/AT: <b>STANDARD</b>	<b>Section B</b> Required Project Information: Report To: <b>John Roche</b> Copy To: Purchase Order No.: Project Name: <b>Buzzard Point LOT 2 804</b> Project Number: <b>40223-002</b>
<b>Section C</b> Invoice Information: Attention: Company Name: Address: Pace Quote Reference Manager: <b>Kevin Herring</b> Pace Profile #	REGULATORY AGENCY NPDES / GROUND WATER / DRINKING WATER UST / RCRA / OTHER Site Location STATE:

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives							Requested Analysis Filtered (Y/N)	Residual Chlorine (Y/N)	Pace Project No./Lab I.D.	
				DATE	TIME			DATE	TIME	Unpreserved	H <sub>2</sub> SO <sub>4</sub>	HNO <sub>3</sub>	HCl	NaOH				Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub>
1	GTW661-24-1-1	DRINKING WATER	G	07/14/14	14:01	3	X											
2	GTW661-24-1-2	WASTE WATER	G	07/14/14	14:56	3	X											
3	GTW661-24-1-3	WASTE WATER	G	07/14/14	14:59	3	X											
4	GTW661-24-1-4	WASTE WATER	G	07/14/14	15:01	3	X											
5	GTW661-24-1-1	WASTE WATER	G															
6	GTW-661-804-2-1	WASTE WATER	G															
7	GTW-661-804-2-2	WASTE WATER	G															
8	GTW-661-804-2-3	WASTE WATER	G															
9	GTW-661-804-2-4	WASTE WATER	G															
10																		
11																		
12																		

<b>Section D</b> ADDITIONAL COMMENTS RELINQUISHED BY / AFFILIATION: <b>CHRISTIAN TSCHIBELU</b> DATE: <b>07/14/14</b> TIME: <b>16:27</b> ACCEPTED BY / AFFILIATION: <b>FEDERICO</b> DATE: <b>07/14/14</b> TIME: <b>16:45</b>	SAMPLE CONDITIONS Temp in °C: <b>62</b> Received on ice (Y/N): <b>Y</b> Custody Sealed Cooler (Y/N): <b>N</b> Samples Intact (Y/N): <b>Y</b>
--	--

Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-C-020rev.08, 12-Oct-2007

July 10, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: 40223-002 Buzzard Point LOT804  
Pace Project No.: 92207901

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

---

### Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: 40223-002 Buzzard Point LOT804  
Pace Project No.: 92207901

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207901001	GTW661-804-3-1	EPA 8015 Modified	JDW1	2	PASI-C
92207901002	GTW661-804-3-2	EPA 5030/8015 Mod.	GAW	2	PASI-C
92207901003	GTW661-804-3-3	EPA 8260	GAW	10	PASI-C
92207901004	GTW661-804-3-4	EPA 8011	JMC	2	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207901001</b>	<b>GTW661-804-3-1</b>					
EPA 8015 Modified	Diesel Components	3.0	mg/L	0.50	07/09/14 12:41	
<b>92207901002</b>	<b>GTW661-804-3-2</b>					
EPA 5030/8015 Mod.	Gasoline Range Organics	3.0	mg/L	0.80	07/09/14 23:13	
<b>92207901003</b>	<b>GTW661-804-3-3</b>					
EPA 8260	Benzene	8.2	ug/L	1.0	07/05/14 06:28	
EPA 8260	Ethylbenzene	12.2	ug/L	1.0	07/05/14 06:28	
EPA 8260	Naphthalene	67.4	ug/L	1.0	07/05/14 06:28	
EPA 8260	Toluene	1.3	ug/L	1.0	07/05/14 06:28	
EPA 8260	Xylene (Total)	3.6	ug/L	2.0	07/05/14 06:28	
EPA 8260	m&p-Xylene	3.6	ug/L	2.0	07/05/14 06:28	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

Sample: GTW661-804-3-1		Lab ID: 92207901001	Collected: 07/01/14 17:01	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510						
Diesel Components	3.0	mg/L	0.50	1	07/08/14 11:50	07/09/14 12:41	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	82	%	48-110	1	07/08/14 11:50	07/09/14 12:41	629-99-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

Sample: GTW661-804-3-2		Lab ID: 92207901002		Collected: 07/01/14 17:20	Received: 07/03/14 09:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 5030/8015 Mod.						
Gasoline Range Organics	3.0	mg/L	0.80	10		07/09/14 23:13	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	94	%	70-145	10		07/09/14 23:13	460-00-4	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

Sample: GTW661-804-3-3		Lab ID: 92207901003	Collected: 07/01/14 17:24	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Benzene	8.2	ug/L	1.0	1		07/05/14 06:28	71-43-2	
Ethylbenzene	12.2	ug/L	1.0	1		07/05/14 06:28	100-41-4	
Naphthalene	67.4	ug/L	1.0	1		07/05/14 06:28	91-20-3	
Toluene	1.3	ug/L	1.0	1		07/05/14 06:28	108-88-3	
Xylene (Total)	3.6	ug/L	2.0	1		07/05/14 06:28	1330-20-7	
m&p-Xylene	3.6	ug/L	2.0	1		07/05/14 06:28	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/05/14 06:28	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95	%	70-130	1		07/05/14 06:28	460-00-4	
1,2-Dichloroethane-d4 (S)	104	%	70-130	1		07/05/14 06:28	17060-07-0	
Toluene-d8 (S)	101	%	70-130	1		07/05/14 06:28	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

Sample: GTW661-804-3-4	Lab ID: 92207901004	Collected: 07/01/14 17:27	Received: 07/03/14 09:25	Matrix: Water				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011						
1,2-Dibromoethane (EDB)	ND ug/L		0.020	1	07/08/14 17:17	07/09/14 11:45	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	105 %		60-140	1	07/08/14 17:17	07/09/14 11:45	301-79-56	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

QC Batch:	GCV/8298	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92207901002		

METHOD BLANK: 1236223 Matrix: Water

Associated Lab Samples: 92207901002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/L	ND	0.080	07/09/14 15:37	
4-Bromofluorobenzene (S)	%	99	70-145	07/09/14 15:37	

LABORATORY CONTROL SAMPLE & LCSD: 1236224 1236380

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/L	1	0.99	0.99	99	99	70-150	0	30	
4-Bromofluorobenzene (S)	%				100	98	70-145			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

QC Batch:	MSV/27478	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92207901003		

METHOD BLANK: 1236051 Matrix: Water

Associated Lab Samples: 92207901003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	1.0	07/05/14 03:13	
Ethylbenzene	ug/L	ND	1.0	07/05/14 03:13	
m&p-Xylene	ug/L	ND	2.0	07/05/14 03:13	
Naphthalene	ug/L	ND	1.0	07/05/14 03:13	
o-Xylene	ug/L	ND	1.0	07/05/14 03:13	
Toluene	ug/L	ND	1.0	07/05/14 03:13	
Xylene (Total)	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/05/14 03:13	
4-Bromofluorobenzene (S)	%	91	70-130	07/05/14 03:13	
Toluene-d8 (S)	%	103	70-130	07/05/14 03:13	

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	53.4	107	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Naphthalene	ug/L	50	53.6	107	70-138	
o-Xylene	ug/L	50	51.8	104	70-130	
Toluene	ug/L	50	51.7	103	70-130	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

MATRIX SPIKE SAMPLE: 1236107

Parameter	Units	92207814005 Result	Spike Conc.	MS Result	MS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	ND	50	58.9	118	70-148	
Toluene	ug/L	ND	50	55.2	110	70-155	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				103	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004 Result	Dup Result	RPD	Qualifiers
Benzene	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	110	101	8	
4-Bromofluorobenzene (S)	%	94	98	4	
Toluene-d8 (S)	%	105	100	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

QC Batch: OEXT/28718 Analysis Method: EPA 8011  
QC Batch Method: EPA 8011 Analysis Description: GCS 8011 EDB DBCP  
Associated Lab Samples: 92207901004

METHOD BLANK: 1237208 Matrix: Water  
Associated Lab Samples: 92207901004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	07/09/14 03:17	
1-Chloro-2-bromopropane (S)	%	97	60-140	07/09/14 03:17	

LABORATORY CONTROL SAMPLE & LCSD: 1237209

1237210

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.27	0.29	94	102	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				96	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1237211

1237212

Parameter	Units	92207866018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.29	0.29	102	102	60-140	0	
1-Chloro-2-bromopropane (S)	%						104	102	60-140		

SAMPLE DUPLICATE: 1237213

Parameter	Units	92207866019 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	98	95	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

QC Batch:	OEXT/28694	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples:	92207901001		

METHOD BLANK: 1236360 Matrix: Water

Associated Lab Samples: 92207901001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	ND	0.50	07/09/14 11:06	
n-Pentacosane (S)	%	94	48-110	07/09/14 11:06	

LABORATORY CONTROL SAMPLE: 1236361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	10	8.8	88	41-114	
n-Pentacosane (S)	%			89	48-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1236362 1236363

Parameter	Units	92207794010		1236363		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Diesel Components	mg/L	0.87	20	20	19.4	14.6	92	69	41-114	28
n-Pentacosane (S)	%						88	76	48-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 40223-002 Buzzard Point LOT804

Pace Project No.: 92207901

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207901004	GTW661-804-3-4	EPA 8011	OEXT/28718	EPA 8011	GCSV/18154
92207901001	GTW661-804-3-1	EPA 3510	OEXT/28694	EPA 8015 Modified	GCSV/18156
92207901002	GTW661-804-3-2	EPA 5030/8015 Mod.	GCV/8298		
92207901003	GTW661-804-3-3	EPA 8260	MSV/27478		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..





Document Name: **Sample Condition Upon Receipt (SCUR)**

Document Number:  
**F-CHR-CS-003-rev.14**

Page 1 of 2

Issuing Authority:  
Pace Huntersville Quality Office

Client Name: Haley S. Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 T1401 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 6.7 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Comments:

Date and Initials of person examining contents: AS 7/3/14

Chain of Custody Present:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested:	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:		
All containers needing preservation have been checked.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation.	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination:	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm):	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present:	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present	<input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased):		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: [Signature] Date: 7/3/14

SRF Review: [Signature] Date: 7-7-14

Place label here



Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)



# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

92707901

**Section A**  
 Required Client Information:  
 Company: **Halley & Aldrich**  
 Address: **7926 Jones Branch Drive, Suite 870**  
 McLean, VA 22102  
 Email To: **TRoche@haleyaaldrich.com**  
 Phone: **703-336-6204** Fax: **703-336-6254**  
 Requested Due Date/TAT: **STANDARD**

**Section B**  
 Required Project Information:  
 Report To: **JOHN ROCHE**  
 Copy To:  
 Purchase Order No.:  
 Project Name: **Buzzard Point LOT 804**  
 Project Number: **40223-002**

**Section C**  
 Invoice Information:  
 Attention:  
 Company Name:  
 Address:  
 Pace Quote Reference:  
 Pace Project Manager: **Kevin Herring**  
 Pace Profile #:

**REGULATORY AGENCY**  
 NPDES  GROUND WATER  DRINKING WATER  
 UST  RCRA  OTHER

Site Location: \_\_\_\_\_ STATE: \_\_\_\_\_

Page: 1 of 1

ITEM #	Section D Required Client Information	Valid Matrix Codes MATRIX CODE DRINKING WATER DW WASTE WATER WW PRODUCT P SOILSOLID SL OIL OL WIFE WP AIR AR OTHER OT TISSUE TS	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		# OF CONTAINERS	PRESERVATIVES	ACCEPTED BY / AFFILIATION	DATE	TIME	DATE	TIME	SAMPLE CONDITIONS
					COMPOSITE START	COMPOSITE END/GRAB								
1	<del>GTW661-804-3-1</del>					07/14 17:01								
2	<del>GTW661-804-3-2</del>					07/14 17:20								
3	<del>GTW661-804-3-3</del>					07/14 17:24								
4	<del>GTW661-804-3-4</del>					07/14 17:27								
5	<del>GTW661-804-3-5</del>													
6	GTW661-804-3-1		WT			07/14 17:01								
7	GTW661-804-3-2		WT			07/14 17:20								
8	GTW661-804-3-3		WT			07/14 17:24								
9	GTW661-804-3-4		WT			07/14 17:27								
10														
11														
12														

**Requested Analysis Filtered (Y/N)**

Y/N	↑ Analysis Test	DRO (TRH-DRO by 8015)	GRO (TRH-GRO by 8015)	PCB (PCBs by 8082)	VOC (VOCs by 8260)	BTEX & Naphthalene by 8011	Residual Chlorine (Y/N)
		X	X	X	X		

**Temp in °C** \_\_\_\_\_

**Received on Ice (Y/N)** \_\_\_\_\_

**Custody Sealed Cooler (Y/N)** \_\_\_\_\_

**Samples Intact (Y/N)** \_\_\_\_\_

**RELINQUISHED BY / AFFILIATION** CHRISTIAN TSCHUBELU  
**DATE** 07/02/14  
**TIME** 16:27

**ACCEPTED BY / AFFILIATION** FEREX  
**DATE** 07/02/14  
**TIME** 16:45

**SAMPLER NAME AND SIGNATURE**  
 PRINT Name of SAMPLER: CHRISTIAN TSCHUBELU  
 SIGNATURE of SAMPLER: [Signature]  
 DATE Signed (MM/DD/YY): 07/02/14

July 10, 2014

Greg Grose  
Haley & Aldrich, Inc.  
7926 Jones Beach Drive  
Suite 870  
Mc Lean, VA 22102

RE: Project: 40223-002 Buzzard Point LOT 24  
Pace Project No.: 92207894

Dear Greg Grose:

Enclosed are the analytical results for sample(s) received by the laboratory on July 03, 2014. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,



Nicole Benjamin  
nicole.benjamin@pacelabs.com  
Project Manager

Enclosures

cc: John Roche



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## CERTIFICATIONS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

---

### Charlotte Certification IDs

9800 Kincey Ave. Ste 100, Huntersville, NC 28078  
North Carolina Drinking Water Certification #: 37706  
North Carolina Field Services Certification #: 5342  
North Carolina Wastewater Certification #: 12  
South Carolina Certification #: 99006001

Florida/NELAP Certification #: E87627  
Kentucky UST Certification #: 84  
West Virginia Certification #: 357  
Virginia/VELAP Certification #: 460221

---

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SAMPLE ANALYTE COUNT

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92207894001	GTW661-24-1-1	EPA 8015 Modified	JDW1	2	PASI-C
92207894002	GTW661-24-1-2	EPA 5030/8015 Mod.	GAW	2	PASI-C
92207894003	GTW661-24-1-3	EPA 8011	JMC	2	PASI-C
92207894004	GTW661-24-1-4	EPA 8260	GAW	63	PASI-C
92207894005	GTW661-24-1-5	EPA 8082	RES	8	PASI-C

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### SUMMARY OF DETECTION

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Lab Sample ID Method	Client Sample ID Parameters	Result	Units	Report Limit	Analyzed	Qualifiers
<b>92207894004</b>	<b>GTW661-24-1-4</b>					
EPA 8260	Chloromethane	1.2	ug/L	1.0	07/05/14 06:12	
EPA 8260	Tetrachloroethene	2.5	ug/L	1.0	07/05/14 06:12	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Sample: GTW661-24-1-1		Lab ID: 92207894001	Collected: 07/02/14 12:07	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8015 GCS THC-Diesel</b>		Analytical Method: EPA 8015 Modified Preparation Method: EPA 3510						
Diesel Components	ND	mg/L	0.50	1	07/08/14 11:50	07/09/14 13:05	68334-30-5	
<b>Surrogates</b>								
n-Pentacosane (S)	71	%	48-110	1	07/08/14 11:50	07/09/14 13:05	629-99-2	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Sample: GTW661-24-1-2		Lab ID: 92207894002		Collected: 07/02/14 12:30	Received: 07/03/14 09:25	Matrix: Water		
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>Gasoline Range Organics</b>		Analytical Method: EPA 5030/8015 Mod.						
Gasoline Range Organics	ND	mg/L	0.080	1		07/10/14 07:58	8006-61-9	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	95 %		70-145	1		07/10/14 07:58	460-00-4	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Sample: GTW661-24-1-3		Lab ID: 92207894003	Collected: 07/02/14 12:33	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8011 GCS EDB and DBCP</b>		Analytical Method: EPA 8011 Preparation Method: EPA 8011						
1,2-Dibromoethane (EDB)	ND	ug/L	0.020	1	07/08/14 17:17	07/09/14 11:23	106-93-4	
<b>Surrogates</b>								
1-Chloro-2-bromopropane (S)	98 %		60-140	1	07/08/14 17:17	07/09/14 11:23	301-79-56	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Sample: GTW661-24-1-4		Lab ID: 92207894004	Collected: 07/02/14 12:37	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Acetone	ND	ug/L	25.0	1		07/05/14 06:12	67-64-1	
Benzene	ND	ug/L	1.0	1		07/05/14 06:12	71-43-2	
Bromobenzene	ND	ug/L	1.0	1		07/05/14 06:12	108-86-1	
Bromochloromethane	ND	ug/L	1.0	1		07/05/14 06:12	74-97-5	
Bromodichloromethane	ND	ug/L	1.0	1		07/05/14 06:12	75-27-4	
Bromoform	ND	ug/L	1.0	1		07/05/14 06:12	75-25-2	
Bromomethane	ND	ug/L	2.0	1		07/05/14 06:12	74-83-9	
2-Butanone (MEK)	ND	ug/L	5.0	1		07/05/14 06:12	78-93-3	
Carbon tetrachloride	ND	ug/L	1.0	1		07/05/14 06:12	56-23-5	
Chlorobenzene	ND	ug/L	1.0	1		07/05/14 06:12	108-90-7	
Chloroethane	ND	ug/L	1.0	1		07/05/14 06:12	75-00-3	
Chloroform	ND	ug/L	1.0	1		07/05/14 06:12	67-66-3	
Chloromethane	1.2	ug/L	1.0	1		07/05/14 06:12	74-87-3	
2-Chlorotoluene	ND	ug/L	1.0	1		07/05/14 06:12	95-49-8	
4-Chlorotoluene	ND	ug/L	1.0	1		07/05/14 06:12	106-43-4	
1,2-Dibromo-3-chloropropane	ND	ug/L	2.0	1		07/05/14 06:12	96-12-8	
Dibromochloromethane	ND	ug/L	1.0	1		07/05/14 06:12	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/L	1.0	1		07/05/14 06:12	106-93-4	
Dibromomethane	ND	ug/L	1.0	1		07/05/14 06:12	74-95-3	
1,2-Dichlorobenzene	ND	ug/L	1.0	1		07/05/14 06:12	95-50-1	
1,3-Dichlorobenzene	ND	ug/L	1.0	1		07/05/14 06:12	541-73-1	
1,4-Dichlorobenzene	ND	ug/L	1.0	1		07/05/14 06:12	106-46-7	
Dichlorodifluoromethane	ND	ug/L	1.0	1		07/05/14 06:12	75-71-8	
1,1-Dichloroethane	ND	ug/L	1.0	1		07/05/14 06:12	75-34-3	
1,2-Dichloroethane	ND	ug/L	1.0	1		07/05/14 06:12	107-06-2	
1,1-Dichloroethene	ND	ug/L	1.0	1		07/05/14 06:12	75-35-4	
cis-1,2-Dichloroethene	ND	ug/L	1.0	1		07/05/14 06:12	156-59-2	
trans-1,2-Dichloroethene	ND	ug/L	1.0	1		07/05/14 06:12	156-60-5	
1,2-Dichloropropane	ND	ug/L	1.0	1		07/05/14 06:12	78-87-5	
1,3-Dichloropropane	ND	ug/L	1.0	1		07/05/14 06:12	142-28-9	
2,2-Dichloropropane	ND	ug/L	1.0	1		07/05/14 06:12	594-20-7	
1,1-Dichloropropene	ND	ug/L	1.0	1		07/05/14 06:12	563-58-6	
cis-1,3-Dichloropropene	ND	ug/L	1.0	1		07/05/14 06:12	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/L	1.0	1		07/05/14 06:12	10061-02-6	
Diisopropyl ether	ND	ug/L	1.0	1		07/05/14 06:12	108-20-3	
Ethylbenzene	ND	ug/L	1.0	1		07/05/14 06:12	100-41-4	
Hexachloro-1,3-butadiene	ND	ug/L	1.0	1		07/05/14 06:12	87-68-3	
2-Hexanone	ND	ug/L	5.0	1		07/05/14 06:12	591-78-6	
p-Isopropyltoluene	ND	ug/L	1.0	1		07/05/14 06:12	99-87-6	
Methylene Chloride	ND	ug/L	2.0	1		07/05/14 06:12	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/L	5.0	1		07/05/14 06:12	108-10-1	
Methyl-tert-butyl ether	ND	ug/L	1.0	1		07/05/14 06:12	1634-04-4	
Naphthalene	ND	ug/L	1.0	1		07/05/14 06:12	91-20-3	
Styrene	ND	ug/L	1.0	1		07/05/14 06:12	100-42-5	
1,1,1,2-Tetrachloroethane	ND	ug/L	1.0	1		07/05/14 06:12	630-20-6	
1,1,2,2-Tetrachloroethane	ND	ug/L	1.0	1		07/05/14 06:12	79-34-5	
Tetrachloroethene	2.5	ug/L	1.0	1		07/05/14 06:12	127-18-4	

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Sample: GTW661-24-1-4		Lab ID: 92207894004	Collected: 07/02/14 12:37	Received: 07/03/14 09:25	Matrix: Water			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
<b>8260 MSV Low Level</b>		Analytical Method: EPA 8260						
Toluene	ND	ug/L	1.0	1		07/05/14 06:12	108-88-3	
1,2,3-Trichlorobenzene	ND	ug/L	1.0	1		07/05/14 06:12	87-61-6	
1,2,4-Trichlorobenzene	ND	ug/L	1.0	1		07/05/14 06:12	120-82-1	
1,1,1-Trichloroethane	ND	ug/L	1.0	1		07/05/14 06:12	71-55-6	
1,1,2-Trichloroethane	ND	ug/L	1.0	1		07/05/14 06:12	79-00-5	
Trichloroethene	ND	ug/L	1.0	1		07/05/14 06:12	79-01-6	
Trichlorofluoromethane	ND	ug/L	1.0	1		07/05/14 06:12	75-69-4	
1,2,3-Trichloropropane	ND	ug/L	1.0	1		07/05/14 06:12	96-18-4	
Vinyl acetate	ND	ug/L	2.0	1		07/05/14 06:12	108-05-4	
Vinyl chloride	ND	ug/L	1.0	1		07/05/14 06:12	75-01-4	
Xylene (Total)	ND	ug/L	2.0	1		07/05/14 06:12	1330-20-7	
m&p-Xylene	ND	ug/L	2.0	1		07/05/14 06:12	179601-23-1	
o-Xylene	ND	ug/L	1.0	1		07/05/14 06:12	95-47-6	
<b>Surrogates</b>								
4-Bromofluorobenzene (S)	93 %		70-130	1		07/05/14 06:12	460-00-4	
1,2-Dichloroethane-d4 (S)	106 %		70-130	1		07/05/14 06:12	17060-07-0	
Toluene-d8 (S)	103 %		70-130	1		07/05/14 06:12	2037-26-5	

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## ANALYTICAL RESULTS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Sample: GTW661-24-1-5		Lab ID: 92207894005		Collected: 07/02/14 12:40		Received: 07/03/14 09:25		Matrix: Water	
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual	
<b>8082 GCS PCB</b>		Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	12674-11-2		
PCB-1221 (Aroclor 1221)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	11104-28-2		
PCB-1232 (Aroclor 1232)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	11141-16-5		
PCB-1242 (Aroclor 1242)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	53469-21-9		
PCB-1248 (Aroclor 1248)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	12672-29-6		
PCB-1254 (Aroclor 1254)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	11097-69-1		
PCB-1260 (Aroclor 1260)	ND ug/L		0.50	1	07/07/14 09:00	07/07/14 20:24	11096-82-5		
<b>Surrogates</b>									
Decachlorobiphenyl (S)	66 %		10-132	1	07/07/14 09:00	07/07/14 20:24	2051-24-3		

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

QC Batch:	GCV/8304	Analysis Method:	EPA 5030/8015 Mod.
QC Batch Method:	EPA 5030/8015 Mod.	Analysis Description:	Gasoline Range Organics
Associated Lab Samples:	92207894002		

METHOD BLANK: 1236899 Matrix: Water

Associated Lab Samples: 92207894002

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Gasoline Range Organics	mg/L	ND	0.080	07/10/14 01:07	
4-Bromofluorobenzene (S)	%	98	70-145	07/10/14 01:07	

LABORATORY CONTROL SAMPLE & LCSD: 1236900

1236901

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
Gasoline Range Organics	mg/L	1	0.91	0.91	91	91	70-150	0	30	
4-Bromofluorobenzene (S)	%				97	97	70-145			

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

QC Batch:	MSV/27478	Analysis Method:	EPA 8260
QC Batch Method:	EPA 8260	Analysis Description:	8260 MSV Low Level
Associated Lab Samples:	92207894004		

METHOD BLANK: 1236051 Matrix: Water

Associated Lab Samples: 92207894004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,1-Trichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,2,2-Tetrachloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1,2-Trichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
1,1-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
1,2,3-Trichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2,3-Trichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,2,4-Trichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dibromo-3-chloropropane	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dibromoethane (EDB)	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichloroethane	ug/L	ND	1.0	07/05/14 03:13	
1,2-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,3-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
1,3-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
1,4-Dichlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
2,2-Dichloropropane	ug/L	ND	1.0	07/05/14 03:13	
2-Butanone (MEK)	ug/L	ND	5.0	07/05/14 03:13	
2-Chlorotoluene	ug/L	ND	1.0	07/05/14 03:13	
2-Hexanone	ug/L	ND	5.0	07/05/14 03:13	
4-Chlorotoluene	ug/L	ND	1.0	07/05/14 03:13	
4-Methyl-2-pentanone (MIBK)	ug/L	ND	5.0	07/05/14 03:13	
Acetone	ug/L	ND	25.0	07/05/14 03:13	
Benzene	ug/L	ND	1.0	07/05/14 03:13	
Bromobenzene	ug/L	ND	1.0	07/05/14 03:13	
Bromochloromethane	ug/L	ND	1.0	07/05/14 03:13	
Bromodichloromethane	ug/L	ND	1.0	07/05/14 03:13	
Bromoform	ug/L	ND	1.0	07/05/14 03:13	
Bromomethane	ug/L	ND	2.0	07/05/14 03:13	
Carbon tetrachloride	ug/L	ND	1.0	07/05/14 03:13	
Chlorobenzene	ug/L	ND	1.0	07/05/14 03:13	
Chloroethane	ug/L	ND	1.0	07/05/14 03:13	
Chloroform	ug/L	ND	1.0	07/05/14 03:13	
Chloromethane	ug/L	ND	1.0	07/05/14 03:13	
cis-1,2-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
cis-1,3-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
Dibromochloromethane	ug/L	ND	1.0	07/05/14 03:13	
Dibromomethane	ug/L	ND	1.0	07/05/14 03:13	
Dichlorodifluoromethane	ug/L	ND	1.0	07/05/14 03:13	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

METHOD BLANK: 1236051

Matrix: Water

Associated Lab Samples: 92207894004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diisopropyl ether	ug/L	ND	1.0	07/05/14 03:13	
Ethylbenzene	ug/L	ND	1.0	07/05/14 03:13	
Hexachloro-1,3-butadiene	ug/L	ND	1.0	07/05/14 03:13	
m&p-Xylene	ug/L	ND	2.0	07/05/14 03:13	
Methyl-tert-butyl ether	ug/L	ND	1.0	07/05/14 03:13	
Methylene Chloride	ug/L	ND	2.0	07/05/14 03:13	
Naphthalene	ug/L	ND	1.0	07/05/14 03:13	
o-Xylene	ug/L	ND	1.0	07/05/14 03:13	
p-Isopropyltoluene	ug/L	ND	1.0	07/05/14 03:13	
Styrene	ug/L	ND	1.0	07/05/14 03:13	
Tetrachloroethene	ug/L	ND	1.0	07/05/14 03:13	
Toluene	ug/L	ND	1.0	07/05/14 03:13	
trans-1,2-Dichloroethene	ug/L	ND	1.0	07/05/14 03:13	
trans-1,3-Dichloropropene	ug/L	ND	1.0	07/05/14 03:13	
Trichloroethene	ug/L	ND	1.0	07/05/14 03:13	
Trichlorofluoromethane	ug/L	ND	1.0	07/05/14 03:13	
Vinyl acetate	ug/L	ND	2.0	07/05/14 03:13	
Vinyl chloride	ug/L	ND	1.0	07/05/14 03:13	
Xylene (Total)	ug/L	ND	2.0	07/05/14 03:13	
1,2-Dichloroethane-d4 (S)	%	107	70-130	07/05/14 03:13	
4-Bromofluorobenzene (S)	%	91	70-130	07/05/14 03:13	
Toluene-d8 (S)	%	103	70-130	07/05/14 03:13	

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	ug/L	50	46.9	94	70-130	
1,1,1-Trichloroethane	ug/L	50	49.2	98	70-130	
1,1,2,2-Tetrachloroethane	ug/L	50	54.2	108	70-130	
1,1,2-Trichloroethane	ug/L	50	53.4	107	70-130	
1,1-Dichloroethane	ug/L	50	55.0	110	70-130	
1,1-Dichloroethene	ug/L	50	52.6	105	70-132	
1,1-Dichloropropene	ug/L	50	54.5	109	70-130	
1,2,3-Trichlorobenzene	ug/L	50	50.6	101	70-135	
1,2,3-Trichloropropane	ug/L	50	51.7	103	70-130	
1,2,4-Trichlorobenzene	ug/L	50	50.5	101	70-134	
1,2-Dibromo-3-chloropropane	ug/L	50	43.5	87	70-130	
1,2-Dibromoethane (EDB)	ug/L	50	52.9	106	70-130	
1,2-Dichlorobenzene	ug/L	50	51.9	104	70-130	
1,2-Dichloroethane	ug/L	50	56.4	113	70-130	
1,2-Dichloropropane	ug/L	50	55.3	111	70-130	
1,3-Dichlorobenzene	ug/L	50	51.4	103	70-130	
1,3-Dichloropropane	ug/L	50	55.3	111	70-130	
1,4-Dichlorobenzene	ug/L	50	51.7	103	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

LABORATORY CONTROL SAMPLE: 1236052

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
2,2-Dichloropropane	ug/L	50	38.1	76	58-145	
2-Butanone (MEK)	ug/L	100	113	113	70-145	
2-Chlorotoluene	ug/L	50	47.6	95	70-130	
2-Hexanone	ug/L	100	106	106	70-144	
4-Chlorotoluene	ug/L	50	50.2	100	70-130	
4-Methyl-2-pentanone (MIBK)	ug/L	100	115	115	70-140	
Acetone	ug/L	100	103	103	50-175	
Benzene	ug/L	50	53.4	107	70-130	
Bromobenzene	ug/L	50	51.0	102	70-130	
Bromochloromethane	ug/L	50	55.2	110	70-130	
Bromodichloromethane	ug/L	50	49.1	98	70-130	
Bromoform	ug/L	50	38.5	77	70-130	
Bromomethane	ug/L	50	50.0	100	54-130	
Carbon tetrachloride	ug/L	50	42.4	85	70-132	
Chlorobenzene	ug/L	50	52.2	104	70-130	
Chloroethane	ug/L	50	62.5	125	64-134	
Chloroform	ug/L	50	52.2	104	70-130	
Chloromethane	ug/L	50	50.4	101	64-130	
cis-1,2-Dichloroethene	ug/L	50	55.6	111	70-131	
cis-1,3-Dichloropropene	ug/L	50	50.6	101	70-130	
Dibromochloromethane	ug/L	50	42.9	86	70-130	
Dibromomethane	ug/L	50	45.8	92	70-131	
Dichlorodifluoromethane	ug/L	50	64.7	129	56-130	
Diisopropyl ether	ug/L	50	58.7	117	70-130	
Ethylbenzene	ug/L	50	51.9	104	70-130	
Hexachloro-1,3-butadiene	ug/L	50	43.2	86	70-130	
m&p-Xylene	ug/L	100	104	104	70-130	
Methyl-tert-butyl ether	ug/L	50	54.0	108	70-130	
Methylene Chloride	ug/L	50	54.1	108	63-130	
Naphthalene	ug/L	50	53.6	107	70-138	
o-Xylene	ug/L	50	51.8	104	70-130	
p-Isopropyltoluene	ug/L	50	51.0	102	70-130	
Styrene	ug/L	50	52.2	104	70-130	
Tetrachloroethene	ug/L	50	47.2	94	70-130	
Toluene	ug/L	50	51.7	103	70-130	
trans-1,2-Dichloroethene	ug/L	50	51.7	103	70-130	
trans-1,3-Dichloropropene	ug/L	50	49.5	99	70-132	
Trichloroethene	ug/L	50	51.5	103	70-130	
Trichlorofluoromethane	ug/L	50	66.3	133	62-133	
Vinyl acetate	ug/L	100	102	102	66-157	
Vinyl chloride	ug/L	50	58.7	117	50-150	
Xylene (Total)	ug/L	150	156	104	70-130	
1,2-Dichloroethane-d4 (S)	%			106	70-130	
4-Bromofluorobenzene (S)	%			96	70-130	
Toluene-d8 (S)	%			101	70-130	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

MATRIX SPIKE SAMPLE: 1236107		92207814005	Spike	MS	MS	% Rec	
Parameter	Units	Result	Conc.	Result	% Rec	Limits	Qualifiers
1,1-Dichloroethene	ug/L	ND	50	60.3	121	70-166	
Benzene	ug/L	ND	50	58.9	118	70-148	
Chlorobenzene	ug/L	ND	50	53.2	106	70-146	
Toluene	ug/L	ND	50	55.2	110	70-155	
Trichloroethene	ug/L	ND	50	58.1	116	69-151	
1,2-Dichloroethane-d4 (S)	%				99	70-130	
4-Bromofluorobenzene (S)	%				97	70-130	
Toluene-d8 (S)	%				103	70-130	

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004	Dup	RPD	Qualifiers
		Result	Result		
1,1,1,2-Tetrachloroethane	ug/L	ND	ND		
1,1,1-Trichloroethane	ug/L	ND	ND		
1,1,2,2-Tetrachloroethane	ug/L	ND	ND		
1,1,2-Trichloroethane	ug/L	ND	ND		
1,1-Dichloroethane	ug/L	ND	ND		
1,1-Dichloroethene	ug/L	ND	ND		
1,1-Dichloropropene	ug/L	ND	ND		
1,2,3-Trichlorobenzene	ug/L	ND	ND		
1,2,3-Trichloropropane	ug/L	ND	ND		
1,2,4-Trichlorobenzene	ug/L	ND	ND		
1,2-Dibromo-3-chloropropane	ug/L	ND	ND		
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1,2-Dichlorobenzene	ug/L	ND	ND		
1,2-Dichloroethane	ug/L	ND	ND		
1,2-Dichloropropane	ug/L	ND	ND		
1,3-Dichlorobenzene	ug/L	ND	ND		
1,3-Dichloropropane	ug/L	ND	ND		
1,4-Dichlorobenzene	ug/L	ND	ND		
2,2-Dichloropropane	ug/L	ND	ND		
2-Butanone (MEK)	ug/L	ND	ND		
2-Chlorotoluene	ug/L	ND	ND		
2-Hexanone	ug/L	ND	ND		
4-Chlorotoluene	ug/L	ND	ND		
4-Methyl-2-pentanone (MIBK)	ug/L	ND	ND		
Acetone	ug/L	ND	ND		
Benzene	ug/L	ND	ND		
Bromobenzene	ug/L	ND	ND		
Bromochloromethane	ug/L	ND	ND		
Bromodichloromethane	ug/L	ND	ND		
Bromoform	ug/L	ND	ND		
Bromomethane	ug/L	ND	ND		
Carbon tetrachloride	ug/L	ND	ND		
Chlorobenzene	ug/L	ND	ND		

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

SAMPLE DUPLICATE: 1236106

Parameter	Units	92207814004 Result	Dup Result	RPD	Qualifiers
Chloroethane	ug/L	ND	ND		
Chloroform	ug/L	ND	ND		
Chloromethane	ug/L	ND	ND		
cis-1,2-Dichloroethene	ug/L	ND	ND		
cis-1,3-Dichloropropene	ug/L	ND	ND		
Dibromochloromethane	ug/L	ND	ND		
Dibromomethane	ug/L	ND	ND		
Dichlorodifluoromethane	ug/L	ND	ND		
Diisopropyl ether	ug/L	ND	ND		
Ethylbenzene	ug/L	ND	ND		
Hexachloro-1,3-butadiene	ug/L	ND	ND		
m&p-Xylene	ug/L	ND	ND		
Methyl-tert-butyl ether	ug/L	ND	ND		
Methylene Chloride	ug/L	ND	ND		
Naphthalene	ug/L	ND	ND		
o-Xylene	ug/L	ND	ND		
p-Isopropyltoluene	ug/L	ND	ND		
Styrene	ug/L	ND	ND		
Tetrachloroethene	ug/L	ND	ND		
Toluene	ug/L	ND	ND		
trans-1,2-Dichloroethene	ug/L	ND	ND		
trans-1,3-Dichloropropene	ug/L	ND	ND		
Trichloroethene	ug/L	ND	ND		
Trichlorofluoromethane	ug/L	ND	ND		
Vinyl acetate	ug/L	ND	ND		
Vinyl chloride	ug/L	ND	ND		
Xylene (Total)	ug/L	ND	ND		
1,2-Dichloroethane-d4 (S)	%	110	101	8	
4-Bromofluorobenzene (S)	%	94	98	4	
Toluene-d8 (S)	%	105	100	5	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

QC Batch:	OEXT/28718	Analysis Method:	EPA 8011
QC Batch Method:	EPA 8011	Analysis Description:	GCS 8011 EDB DBCP
Associated Lab Samples:	92207894003		

METHOD BLANK: 1237208 Matrix: Water  
Associated Lab Samples: 92207894003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	0.020	07/09/14 03:17	
1-Chloro-2-bromopropane (S)	%	97	60-140	07/09/14 03:17	

LABORATORY CONTROL SAMPLE & LCSD: 1237209

1237210

Parameter	Units	Spike Conc.	LCS Result	LCSD Result	LCS % Rec	LCSD % Rec	% Rec Limits	RPD	Max RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	.29	0.27	0.29	94	102	60-140	6	20	
1-Chloro-2-bromopropane (S)	%				96	97	60-140			

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1237211

1237212

Parameter	Units	92207866018 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
1,2-Dibromoethane (EDB)	ug/L	ND	.28	.28	0.29	0.29	102	102	60-140	0	
1-Chloro-2-bromopropane (S)	%						104	102	60-140		

SAMPLE DUPLICATE: 1237213

Parameter	Units	92207866019 Result	Dup Result	RPD	Qualifiers
1,2-Dibromoethane (EDB)	ug/L	ND	ND		
1-Chloro-2-bromopropane (S)	%	98	95	2	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

QC Batch:	OEXT/28694	Analysis Method:	EPA 8015 Modified
QC Batch Method:	EPA 3510	Analysis Description:	8015 GCS
Associated Lab Samples:	92207894001		

METHOD BLANK: 1236360 Matrix: Water

Associated Lab Samples: 92207894001

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Diesel Components	mg/L	ND	0.50	07/09/14 11:06	
n-Pentacosane (S)	%	94	48-110	07/09/14 11:06	

LABORATORY CONTROL SAMPLE: 1236361

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Diesel Components	mg/L	10	8.8	88	41-114	
n-Pentacosane (S)	%			89	48-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1236362 1236363

Parameter	Units	92207794010		1236363		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result					
Diesel Components	mg/L	0.87	20	20	19.4	14.6	92	69	41-114	28
n-Pentacosane (S)	%						88	76	48-110	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

QC Batch:	OEXT/28688	Analysis Method:	EPA 8082
QC Batch Method:	EPA 3510	Analysis Description:	8082 GCS PCB
Associated Lab Samples:	92207894005		

METHOD BLANK: 1236159 Matrix: Water

Associated Lab Samples: 92207894005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	07/07/14 16:17	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	07/07/14 16:17	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	07/07/14 16:17	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	07/07/14 16:17	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	07/07/14 16:17	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	07/07/14 16:17	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	07/07/14 16:17	
Decachlorobiphenyl (S)	%	80	10-132	07/07/14 16:17	

LABORATORY CONTROL SAMPLE: 1236160

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.1	82	50-150	
PCB-1260 (Aroclor 1260)	ug/L	5	4.2	84	50-150	
Decachlorobiphenyl (S)	%			86	10-132	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 1236161 1236162

Parameter	Units	MS		MSD		MS % Rec	MSD % Rec	% Rec Limits	RPD	Qual
		Spike Conc.	Result	Spike Conc.	Result					
PCB-1016 (Aroclor 1016)	ug/L	ND	10	10	8.9	6.2	89	62	50-150	36 R1
PCB-1260 (Aroclor 1260)	ug/L	ND	10	10	9.0	7.7	90	77	50-150	16
Decachlorobiphenyl (S)	%						77	79	10-132	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

## QUALIFIERS

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

---

### DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

LOD - Limit of Detection.

LOQ - Limit of Quantitation.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

### LABORATORIES

PASI-C Pace Analytical Services - Charlotte

### ANALYTE QUALIFIERS

R1 RPD value was outside control limits.

## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..

### QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 40223-002 Buzzard Point LOT 24

Pace Project No.: 92207894

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92207894003	GTW661-24-1-3	EPA 8011	OEXT/28718	EPA 8011	GCSV/18154
92207894001	GTW661-24-1-1	EPA 3510	OEXT/28694	EPA 8015 Modified	GCSV/18156
92207894005	GTW661-24-1-5	EPA 3510	OEXT/28688	EPA 8082	GCSV/18135
92207894002	GTW661-24-1-2	EPA 5030/8015 Mod.	GCV/8304		
92207894004	GTW661-24-1-4	EPA 8260	MSV/27478		

### REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, Inc..



Client Name: Haley Z Aldrich

Courier:  Fed Ex  UPS  USPS  Client  Commercial  Pace Other \_\_\_\_\_

Custody Seal on Cooler/Box Present:  yes  no Seals intact:  yes  no

Packing Material:  Bubble Wrap  Bubble Bags  None  Other \_\_\_\_\_

Thermometer Used: IR Gun T1102 T1401 Type of Ice: Wet Blue None  Samples on ice, cooling process has begun

Temp Correction Factor T1102: No Correction T1301: No Correction

Corrected Cooler Temp.: 6.2 °C Biological Tissue is Frozen: Yes No N/A

Temp should be above freezing to 6°C

Optional  
 Proj. Due Date:  
 Proj. Name:

Date and Initials of person examining contents: 7/3/14

	Comments:
Chain of Custody Present: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name & Signature on COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72hr): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Filtered volume received for Dissolved tests <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	11.
Sample Labels match COC: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.
-Includes date/time/ID/Analysis Matrix:	
All containers needing preservation have been checked. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	13.
All containers needing preservation are found to be in compliance with EPA recommendation. <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
exceptions: VOA, coliform, TOC, O&G, WI-DRO (water) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Samples checked for dechlorination: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	14.
Headspace in VOA Vials (>6mm): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	15.
Trip Blank Present: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	16.
Trip Blank Custody Seals Present <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A	
Pace Trip Blank Lot # (if purchased): _____	

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted: \_\_\_\_\_ Date/Time: \_\_\_\_\_

Comments/ Resolution: \_\_\_\_\_

SCURF Review: AB Date: 7/3/14  
 SRF Review: ASB Date: 7/3/14

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office ( i.e out of hold, incorrect preservative, out of temp, incorrect containers)

**WO#: 92207894**

92207894





# CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Page: **1** of **1**

Section A Required Client Information:		Section B Required Project Information:		Section C Invoice Information:	
Company:	Halley & Aldrich	Report To:	<b>JOHN ROCHE</b>	Attention:	
Address:	7926 Jones Branch Drive, Suite 870 McLean, VA 22102	Copy To:		Company Name:	
Email To:	<b>J.ROCHE</b> @halleyaldrich.com	Purchase Order No.:		Address:	
Phone:	703-336-6204	Project Name:	Buzzard Point LOT 24	Pace Quote Reference:	
Requested Due Date/TAT:	<b>STANDARD</b>	Project Number:	<b>40223-002</b>	Pace Project Manager:	Kevin Herring
Valid Matrix Codes		Requested Analysis Filtered (Y/N)		REGULATORY AGENCY	
MATRIX CODE DRINKING WATER DW WATER WT WASTE WATER WW PRODUCT P SOLID S LIQUID SL WIP WP AIR AP OTHER OT TISSUE TS		Y N Analysis Test DRO (TPH - DRO by 8015) X GRO (TPH - GRO by 8015) X PCB (PCBs by 8082) X VOC (VOCs by 8260) X BTEX & Naphthalene by 8260 X FDB by 8011 X		NPDES GROUND WATER UST RCRA OTHER DRINKING WATER	

ITEM #	Section D Required Client Information	Valid Matrix Codes	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED		SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives	ACCEPTED BY / AFFILIATION	DATE	TIME	DATE	TIME	Temp in °C	Received on	Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)
					COMPOSITE START	COMPOSITE END/GRAB													
1	GTW661-24-1-1	WT	WT	G	07/02/14	12:07		2	Unpreserved		07/02/14	16:45							
2	GTW661-24-1-2	WT	WT	G	07/02/14	12:30		3	HCl, HNO3, H2SO4		07/02/14	16:45							
3	GTW661-24-1-3	WT	WT	G	07/02/14	12:33		3	HCl, HNO3, H2SO4		07/02/14	16:45							
4	GTW661-24-1-4	WT	WT	G	07/02/14	12:37		3	HCl, HNO3, H2SO4		07/02/14	16:45							
5	GTW661-24-1-5	WT	WT	G	07/02/14	12:40		3	HCl, HNO3, H2SO4		07/02/14	16:45							

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME
CHRISTIAN TSCHIBEL	07/02/14	16:27	FEDER	07/02/14	16:45
SAMPLER NAME AND SIGNATURE		DATE SIGNED (MM/DD/YYYY): 07/02/2014			
PRINT Name of SAMPLER: CHRISTIAN TSCHIBEL		DATE SIGNED (MM/DD/YYYY): 07/02/2014			
SIGNATURE of SAMPLER: <i>[Signature]</i>		DATE SIGNED (MM/DD/YYYY): 07/02/2014			