November 5, 2014

Mr. John Walch
Inactive Hazardous Sites Branch
North Carolina DENR
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

Subject: **Remedial Investigation Report and Remedial Action Plan**
Apex Village
500-610 E. Williams Street
Apex, North Carolina 27502
DENR IHSB Site ID: NONCD0002946

Dear Mr. Walch,

Mill Creek Environmental Services, Inc. (MCES) has completed a Remedial Investigation Report and Remedial Action Plan on behalf of New Falls Property, LLC for the subject property. We request eligibility for voluntary remedial action in the North Carolina Department of Environment and Natural Resources (DENR) Registered Environmental Consultant (REC) Program. This report includes information presented in general accordance with guidance from the DENR Inactive Hazardous Sites Program Guidelines for Assessment and Cleanup (January 2014).

The following is a summary of investigations conducted at this property:

- A former UST system comprised of three (3) USTs was closed by removal in 1993. A 1999 report documented groundwater petroleum concentrations below applicable standards and a request for No Further Action was submitted. The UST system is currently listed as "Closed Out" in the North Carolina UST database. The location of the former UST system is illustrated on Figure 3.
- A 2,000 gallon diesel UST was identified on the subject property. MCES coordinated closure by removal of this UST and submittal of a UST Closure Report to DENR. In a letter dated May 30, 2013, DENR assigned incident number 39346 and approved No Further Action for this UST. The former location of the 2,000 gallon diesel UST is illustrated on Figure 3.
- A 250 gallon used oil UST was identified on the subject property. MCES coordinated closure by removal of this UST and submittal of a UST Closure Report to DENR. In a letter dated May 30, 2013, DENR assigned incident number 39341 for this UST and requested a Limited Site Assessment based on soil concentrations in excess of applicable standards. MCES conducted the LSA, including installation and sampling of permanent monitoring well MW-4 and requested No Further Action based on contaminant concentrations below the North

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Carolina Gross Contamination Levels (GCLs). DENR approved No Further Action for this UST in a letter dated October 8, 2013. The former location of the 250 gallon used oil UST is illustrated on Figure 3.

- A subsurface investigation was conducted downgradient of a drycleaner business located on the subject property. Results of this investigation found no indication of chlorinated ethenes downgradient of the drycleaning business.
- Geoprobe investigations for soil indicated detection of naphthalene in sample (SB-2, 4-8') at a concentration of 1.01 mg/kg, exceeding the NC DENR UST Soil to Water Maximum Contaminant Concentration of 0.16 mg/kg. The naphthalene concentration was addressed in the LSA investigation described above and was not considered applicable in determining contaminants of concern for the subject property with regard to requirements of DENR IHSB.
- Geoprobe investigations for groundwater indicated exceedance of applicable groundwater standards for naphthalene, tetrachloroethene (PCE), and bis (2-ethylhexyl) phthalate. The naphthalene exceedance was addressed in the LSA investigation described above and naphthalene was not detected in subsequent investigations at other locations on the site. Bis (2-ethylhexyl) phthalate contamination was attributed to site contamination by plastics and construction materials, and was not considered applicable in determining contaminants of concern for the subject site. Further investigations did not analyze for bis (2-ethylhexyl) phthalate.
- PCE was detected above the applicable standard at two preliminary sampling locations in March of 2013; GW-2 (the location of the removed 250 gallon UST described above), and SB-6 (approximately 140 feet east of GW-2). Based on the Geoprobe sampling results, a permanent network of monitoring wells was installed to delineate the horizontal extent of PCE in groundwater.
- The permanent monitoring well network indicated the presence of a low concentration chlorinated ethene plume that included PCE, trichloroethene (TCE) and cis-1,2-dichloroethene (DCE) in groundwater. Based on sampling results, the chlorinated ethene plume appears to be contained within the subject property boundaries. The concentrations of PCE and TCE exceeded their respective DENR Groundwater Quality Standards (GQS) with detected high concentrations of 30.4 ug/l for PCE and 14.6 ug/l for TCE. Concentrations of DCE were below the GQS.
- Possible source areas include non-point-source drips and spills associated with Southern Tire and Auto and a lawnmower repair business that is rumored to have operated immediately south of the Quest Auto Parts building. Although a drycleaning operation previously existed on the property upgradient of the chlorinated solvent plume, groundwater analytical results indicated the former drycleaning operation was not a likely source.

- Regulated compounds were not detected in samples collected from the intermittent stream located within the subject property at the approximate downgradient extent of the dissolved contaminant plume.
- No public or non-public drinking water wells were identified within 0.5 miles of the subject property.
- Assessment of natural attenuation parameters in groundwater found that bioremediation through reductive dehalogenation appears to be active in the surficial aquifer at the property. Computer modeling of the chlorinated ethene contaminant plume using Biochlor also indicated that natural attenuation activity is occurring at the subject site. The Biochlor model indicated that PCE at the location of MW-3 would decrease to below the GWQS in the year 2017.
- MCES evaluated groundwater remedial methods and monitored natural attenuation (MNA) was selected as the preferred remedial action method for groundwater at the subject property.

The investigation of the chlorinated ethene plume on the subject property is complete and was conducted in general accordance with the North Carolina Inactive Hazardous Sites Program Guidelines for Assessment and Cleanup (January 2014). The Remedial Investigation Report and Remedial Action Plan for the subject property are attached. Please review the report and feel free to call the undersigned if you have any questions or comments.

Sincerely,
MILL CREEK ENVIRONMENTAL SERVICES, INC.

David W. Payne, PG
Project Geologist

Daniel L. Centofanti, PG, LG
Program Manager
North Carolina LG No: 1557

NORTH CAROLINA LICENSED SEAL 1557 GEOLOGIST DANIEL L CENTOFANTI

Site Conditions Questionnaire

This form should be completed by owners and other parties with information to identify potential contaminant exposure concerns, regardless of whether planning a voluntary contaminant assessment or cleanup action at the site. Parties interested in volunteering for Branch-approved remedial actions should prepare this form with the assistance of an environmental consultant and complete the certifications attached to this form. Please answer all questions, based on current information, and provide written descriptions where needed.

NCDENR Site Name, City and County Apex Village, Apex, Wake County

1. Is the site located on or immediately adjacent to residential property, schools, day-care centers or other sensitive populations? [X] Y [ ] N

   If yes, please explain on a separate page.

2. What is the distance (from site property line) to the nearest residence, school or daycare center? Please attach a map showing the site and nearest residence, school or day-care center. 70 ft

3. Is the site completely surrounded by a locked fence? [ ] Y [X] N

   If no, please explain security measures at the site on a separate page.

4. Are site surface soils known to be contaminated? [ ] Y [X] N

   If yes, or unknown, describe briefly on a separate page.

5. Is site groundwater known to be contaminated? [X] Y [ ] N

   If yes, or unknown, describe briefly on a separate page.

6. Is site sediment or surface water known to be contaminated? [ ] Y [X] N

   If yes, or unknown, describe briefly on a separate page.

7. Has groundwater contamination affected any drinking water wells? [ ] Y [X] N

   If yes, or unknown, please explain on a separate page.

8. What is the distance to the nearest drinking water well or other potable well (for example, irrigation wells and industrial process wells)? >0.5 Mile

9. What is the distance to the nearest down-gradient drinking water well or other potable well (for example, irrigation wells and industrial process wells)? >0.5 Mile

10. What is the distance to the nearest downstream surface water intake used as a water source? >0.5 Mile

11. Are hazardous vapors, air emissions or contaminated dust suspected to be migrating into residential, commercial or industrial areas? [ ] Y [X] N

    If yes, or unknown, please explain on a separate page.

12. Have hazardous substances known to have migrated off property at concentrations in excess of Branch unrestricted-use remediation goals? [ ] Y [X] N

    If yes, or unknown, please explain on a separate page.

13. Has the local community expressed concerns about contamination at the site? [ ] Y [X] N

    If yes, or unknown, please explain on a separate page.

Site Conditions Questionnaire (Cont.)

14. Based on current information, are there any sensitive environments located on the property (sensitive environments are identified in the Remedial Investigation Work Plans section of the IHSB "Guidelines for Assessment and Cleanup" at http://portal.ncdenr.org/web/wm/sf/sfavailabledocs)? ☐ Y ☒ N

    If yes, or unknown, please explain on a separate page.

15. Based on current information, has the contamination from the site migrated into any sensitive environments? ☐ Y ☒ N

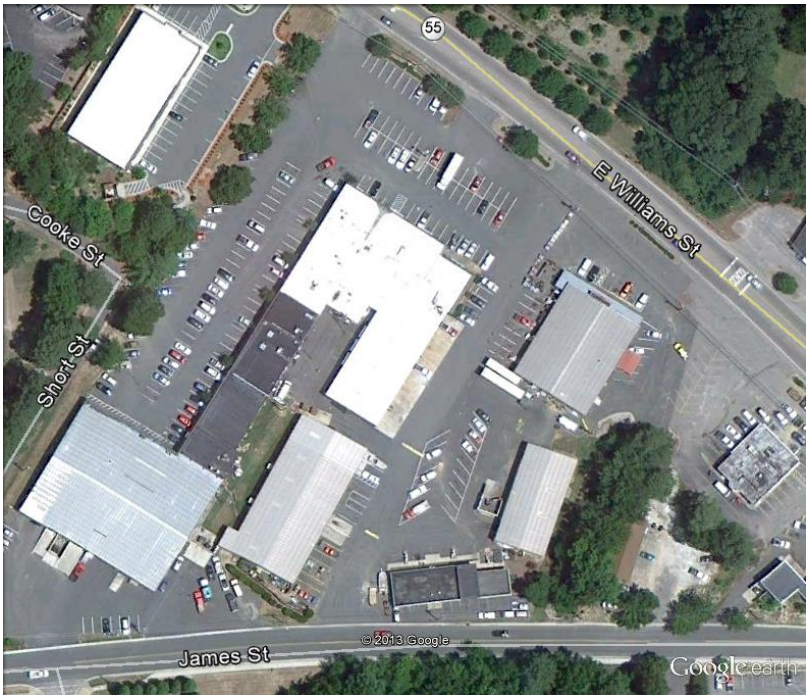
    If yes, or unknown, please explain on a separate page.

16. Do site contaminants include radioactive or mixed radioactive and chemical wastes? ☐ Y ☒ N

    If yes, or unknown, please explain on a separate page.

Remedial Investigation Report
Remedial Action Plan

Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina
DENR IHSB Site ID: NONCD0002946



Prepared for:

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November 2014

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1 SITE DESCRIPTION

1.1 Site Location Information

The subject site is located at 500 - 610 East Williams Street, Apex, Wake County, North Carolina. The site is located at latitude N35.723661 and longitude W-78.847711. This site is listed with the North Carolina Department of Environment and Natural Resources (DENR) Inactive Hazardous Site Branch (IHSB) as Site ID: NONCD0002946. This site contains the Apex Village Shopping Center (500-610 E. Williams Street) and is owned by New Falls Property, LLC. This site is approximately 5.74 acres and located approximately 775 feet west of the intersection of NC 55 and James Street, off the south right-of-way of NC 55 in Apex, North Carolina. **Figure 1** depicts the site location on a topographic map.

The subject site is located in an area of residential and commercial land use south of downtown Apex. The land use on the adjoining properties is described in the sections below. **Figure 2** shows the site and surrounding properties on an aerial photograph. Adjacent land uses are as follows:

North: Apex Middle School

South: James Street, Residential and Wooded

East: Commercial (automotive body shop to SE and restaurant to the NE)

West: Short Street, Residential and Commercial

Figure 3 is a Site Plan that shows property boundaries, groundwater monitoring wells, surface water, and general site features.

1.2 Environmentally Sensitive Areas

MCES contacted the agencies listed in North Carolina DENR Inactive Hazardous Sites Program Guidelines for Assessment and Cleanup to identify environmentally sensitive areas on the subject site and adjacent properties. The following is the list of agencies contacted and findings:

- NC Division of Conservation, Planning and Community Affairs, Natural Heritage Program: Using the NHP Map Viewer, a 2-mile radius search from the subject site resulted in "No Search Results Found" (**Appendix A**).
- National Park Service, Public Affairs Office: MCES requested information from the National Park Service by email. However, no response was received.
- US Forest Service: MCES requested information from the US Forest Service by email. However, no response was received.
- NC Division of Water Quality: MCES requested information from the NC Division of Water Quality by email. Ms. Nora Deamer of the DENR-Division of Water Resources Basin Planning Branch informed us that "This property is located in the Middle Creek watershed of the Neuse River Basin. An unnamed tributary (UT) to Middle Creek runs through the property on East Williams street. The UT to Middle Creek and Middle Creek

are officially listed as impaired on the NC 2012 303(d) list/NC 305b report. These waters experience high levels of turbidity and fecal coli form bacteria levels. The biological integrity is also affected by the conditions in this watershed. All waters in the Neuse River basin are also classified as nutrient sensitive waters (NSW). Middle Creek drains into the Neuse River and ultimately the Neuse River Estuary. The Neuse River Estuary is also listed as impaired for chlorophyll as a direct result of excessive nutrient loading throughout the Neuse River system. Any activity on this property needs to eliminate sediment, nutrients, bacteria and any other pollutants from running off-site."

- NC Division of Forest Resources: MCES requested information from Mr. Chris Carlson of the NC Division of Forest Resources by email and was informed that, "The NC Forest Service has no state preserves or forest in the vicinity of your site."
- US Fish and Wildlife Services: MCES requested information from the US Fish and Wildlife Services by email. However, no response was received.
- NC Department of Cultural Resources: MCES requested information from the NC Department of Cultural Resources by email. However, no response was received.
- NC Division of Coastal Management: MCES requested information from Mr. Braxton Davis, Director, NC Division of Coastal Management by email. Mr Braxton informed us that "This property in Apex is outside of our jurisdiction in the 20 coastal counties under the NC Coastal Area Management Act. And while my office does not govern CBRS units, I will assert that Apex is not located on a barrier island."
- NC Wildlife Resources Commission: MCES requested information from the NC Wildlife Resources Commission by email. However, no response was received.
- US Army Corps of Engineers: MCES requested information from the US Army Corps of Engineers by email. However, no response was received.

1.3 Natural Area Attractive to Terrestrial Ecological Receptors

The unnamed tributary of Middle Creek located along the east property boundary within a narrow band of trees and underbrush may be attractive to terrestrial ecological receptors, such as small mammals, avians, or reptiles.

The adjacent property to the south of the subject site across James Street is wooded and may be attractive to terrestrial ecological receptors, such as small mammals, avians, or reptiles.

1.4 Areas of Stressed Vegetation or Stressed Wildlife

MCES observed no indications of stressed vegetation or wildlife on the subject property or on adjoining properties.

2 SITE HISTORY

2.1 50-Year Chain-of-Title

Mill Creek Environmental Services (MCES) completed a 50-year chain-of-title search to search for environmental liens (ELs) and determine the chronological succession of land owners associated with the subject property. No ELs related to the subject property were identified during 50-year chain-of-title search. The list of property owners included real estate companies and individual persons. No potential areas of environmental concern were noted in reviewing the chain-of-title report. The chain-of-title report, prepared by Banks Environmental Data, is included in **Appendix B**.

2.2 Notice of Residual Petroleum

A notice of residual petroleum (NRP) associated with a petroleum underground storage tank (UST) was filed with the Wake County, North Carolina record of deeds in September 2013. Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.

2.3 Operational Site History

Research of historical operational information regarding the subject property includes review of historic aerial photos, a review of historical City Directory listings and review of Sanborne Fire Insurance Maps. Based these reviews, it appears that the subject property was occupied by a private residence and Triplett CC Grading Contractors Company in 1967. Between 1967 and 1988 the property was developed into its current configuration. Former tenants included an auto parts store, a dry cleaning establishment, a gas station/convenience store, and a variety of other businesses. The site has not been significantly altered since 1988.

2.3.1 Historical Aerial Photographs

MCES reviewed and interpreted historical aerial photographs for indications of past land use or site activities that represent potential areas of environmental concern to the subject site. Aerial photograph prints from 1959, 1965, 1971, 1973, 1981, 1983, 1993, 1998, 2005, 2006, 2008, 2009, 2010, and 2012 were reviewed. MCES' interpretation of the aerial photographs is provided below:

1959: Scale: 1 inch = 500 feet
Quality: Good

The subject property and surrounding areas to the east and south appear to be mostly agricultural land with a few greenbelts along creeks. An apparent residential or farm-related structure is visible in the northern area of the subject property. Two structures are visible on an adjacent property to the east of the subject property. Areas to the north and east appear to be developed city blocks containing residential properties. The Apex Middle School complex is apparent to the north across Williams Street.

1965: Scale: 1 inch = 500 feet
Quality: Fair
As above with some additional residential properties to the northeast.

1971: Scale: 1 inch = 500 feet
Quality: Fair
As above, with an additional structure showing in the northern portion of the site.

1973: Scale: 1 inch = 500 feet
Quality: Poor
As above, with a building showing on the south area of the subject property. Some additional residential properties have been developed to the southwest. Other surrounding areas remain agricultural.

1981: Scale: 1 inch = 500 feet
Quality: Fair
Two additional buildings have been constructed on the subject site in the northeast, and east areas of the subject property.

1983: Scale: 1 inch = 500 feet
Quality: Fair
One additional building has been constructed on the subject site in the mid-south area of the subject property. Development southeast of the subject site is apparent.

1993: Scale: 1 inch = 500 feet
Quality: Good
The subject property appears to be developed as a shopping center with the same general layout as exists at present. Commercial and residential development has increased to the east, south and west.

1998: Scale: 1 inch = 750 feet
Quality: Fair
As above. More commercial development to the southeast and southwest.

2005: Scale: 1 inch = 500 feet
Quality: Fair
As above with highly increased residential development to the south and southwest.

2006: Scale: 1 inch = 500 feet
Quality: Fair
As above.

2008: Scale: 1 inch = 500 feet
Quality: Good
As above.

2009:	Scale:	1 inch = 500 feet
	Quality:	Excellent

As above.

2010:	Scale:	1 inch = 500 feet
	Quality:	Good

As above.

2012:	Scale:	1 inch = 500 feet
	Quality:	Good

As above.

No evidence of previous environmental concerns could be discerned from the historical aerial photographs. Aerial photographs are included in **Appendix C**.

2.3.2 Sanborn Fire Insurance Map Research

The complete Sanborn Library collection has been searched by Environmental Data Resources, Inc. (EDR), and fire insurance maps were searched for information concerning the subject property. Fire insurance maps for the subject property were not found. The Sanborn "No Coverage" certification is included in the Phase I and II Environmental Site Assessment (ESA) described in **Section 2.4.2** and presented in **Appendix E**.

2.4 Site Environmental Permit History

Martins Cleaners at 540 East Williams Street was permitted with the State of North Carolina to dispose of hazardous waste generated at their facility. Martins Cleaners was assigned facility ID: NCD981473002. Martins Cleaners appears to have operated from approximately 1979 to 1989. No spills or violations were reported for this facility.

According to the DENR UST database, Martins Cleaners was also permitted with the State of North Carolina to operate a petroleum UST. Martins Cleaners was assigned UST facility ID: 00-0-0000006659. The database lists one (1) 275-gallon diesel UST was registered to W.B. Nivison of Raleigh, North Carolina located at 540 East Williams Street. Based on observations made during MCES' site visit, it appears that the size of the tank in the database listing is in error since a 2,000-gallon diesel UST was identified at the former Martin Cleaners location and removed in 2013 (Section 2.5.4). At the time of removal, the history of this UST was unclear and the associated UST closure report submitted to DENR identified this UST as Southern Tire and Automotive with no facility ID assigned.

A 250-gallon used oil UST was identified at Southern Tire and Automotive, located at 548 E. Williams Street, and removed in 2013 (Section 2.5.4). This UST was not identified in the DENR UST database.

A petroleum filling station listed as Apex Hardware/Southern Tire Store at 550 to 600 E. Williams street was permitted with the State of North Carolina to operate petroleum USTs. Apex

Hardware/Southern Tire Store was assigned UST facility ID: 00-0-0000033358. According to the DENR UST database, two (2) 8,000-gallon gasoline USTs and one (1) 10,000-gallon gasoline UST registered to William Nivison of Raleigh, North Carolina were present at the Subject Property from 1964 to 1993. Although the database listing indicates that these tanks were located at Apex Hardware (600 East Williams Street) or Southern Tire (548 East Williams Street), it seems that the database listing may be in error and that it is more likely that these tanks were used by the gas station/convenience store referenced in the 1999 ESA report (Section 2.5.1). Based on City Directory review, it seems possible that these USTs were associated with The Pantry grocery store (500 East Williams Street). The DENR UST database indicates the USTs at this facility were removed in 1993, and the site is listed as "closed out".

2.5 Summary of Environmental Investigations and Regulatory Involvement

2.5.1 Phase I Environmental Site Assessment – March 1999 – Ed Aguirre & Associates

MCES reviewed the Phase I ESA report that was prepared for the subject property in March of 1999 by Ed Aguirre & Associates Inc. of Raleigh, North Carolina. This report was provided by the User of this ESA and is included as **Appendix D**.

The March 1999 ESA report noted that there was a confirmed release of petroleum from three former underground storage tanks (USTs) associated with the convenience store that was located on the north side of the subject property from 1965-1982. According to the 1999 ESA report, the three (3) USTs were removed in 1993 and soil contamination was detected in the tank pit area. However, the ESA notes that groundwater samples collected during site investigation activities did not contain petroleum constituents at concentrations above the North Carolina Department of Environment and Natural Resources (NCDENR) action levels. The 1999 ESA report contained a recommendation to obtain a written confirmation from NCDENR that no further action would be required in the future.

A review of current database files from NCDENR list the former UST site as the Nivision Property (Apex Hardware and Southern Tire Store). The current database also lists the UST site as "Closed Out". The NCDENR "Closed Out" status indicates that no additional action is required for the release from the USTs.

The 1999 Phase I ESA also reported the presence of a 500-gallon above ground storage tank (AST) and minor oil staining on the ground behind the auto parts store that formerly occupied 548 Williams Street. The report recommended the removal of the AST and stained surface soils.

2.5.2 Phase I Environmental Site Assessment and Limited Phase II Subsurface Investigation– January 2013 – Mill Creek Environmental Services

Prior to purchasing the property, New Falls Property, LLC contracted MCES to perform Phase I and Phase II ESA activities at the subject site in January and March 2013. Based on the information gathered during the completion of the January 2013 Phase I ESA, the following recognized environmental conditions (RECs) were identified at the subject property:

- A listing on the NCDENR database, identified as one (1) 275-gallon diesel UST registered to W.B. Nivison of Raleigh, North Carolina and located at Martin Cleaners, 540 East Williams Street. No additional information was listed and MCES could not confirm the presence of this UST on the subject property.
- The observed presence of a UST at 548 East Williams Street (Southern Tire Store) without a clear record of current or past regulatory compliance. It was assumed that due to address number changes over the years, the UST listed as Martin Cleaners was the same UST identified by our site reconnaissance at the Southern Tire Store.
- The presence of a dry cleaning and commercial laundry operations at the subject property during the approximate time period of 1979-1989 and the listing of this facility in the RCRA Non-Gen/NLR database as a former hazardous waste generator.

In addition, the following historic recognized environmental condition (HREC) was identified at the subject property:

- A confirmed release of fuel from the former UST system that was removed from the property in 1993.

Since the former UST system has received a "closed out" status from the NCDENR and no groundwater contamination was identified in excess of applicable standards, this is not an REC that would normally require additional action. However, since additional action was recommended for the other RECs, this HREC was also included in the recommendations provided.

Based on the presence of the RECs, MCES recommended the completion of a Limited Phase II Subsurface Investigation concurrent with the preparation of the Phase I ESA report. At the request of the owner, MCES completed a Limited Phase II Subsurface Investigation at the subject property on January 23, 2013. The scope of the Phase II was directed specifically to address potential volatile organic compound (VOC) impacts to the soil and groundwater at locations of concern on the subject property. The scope of work included the completion of soil borings at five (5) locations and the collection of soil and/or groundwater samples from the soil borings.

Upon receipt of the analytical data reports for the soil and groundwater samples, MCES evaluated and compared the results with the regulatory remediation goals for each detected compound. Laboratory analytical data indicated that none of the tested compounds were detected in the soil sample collected from boring S-3. However, six (6) compounds (acetone, sec-butylbenzene, isopropylbenzene, naphthalene, n-propylbenzene, and 1,2,4-trimethylbenzene) were detected in soil samples collected from borings S-1 and S-2, none of which exceeded their respective action levels.

None of the tested compounds were detected in the groundwater sample GW-3 (collected from boring S-3). Six (6) compounds (naphthalene, tetrachloroethene (PCE), 1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, m,p-xylenes, and o-xylene) were detected in groundwater samples GW-1 and GW-2 (collected from borings S-1 and S-2, respectively). Of these six (6) compounds, naphthalene exceeded its regulatory standard in samples GW-1 and GW-2, and PCE exceeded its regulatory standard in sample GW-2. Phase II ESA soil and groundwater sampling locations and concentrations are

illustrated on **Figure 4**. Sampling results are summarized in **Tables 1 and 2**. The Phase I and II ESA Report prepared by MCES, dated January 2013, is provided in **Appendix E**. Due to the detections of these compounds, the owner and lender requested additional investigation activities at this property.

2.5.3 Expanded Phase II Environmental Site Assessment – March 2013 – Mill Creek Environmental Services, Inc.

MCES also conducted an Expanded Phase II ESA in March 2013, which included collection of additional soil and groundwater samples at locations of concern. The purpose of the Expanded Phase II ESA was to conduct additional research and to evaluate known impacts to soil and groundwater that were discovered during the Limited Phase II ESA previously conducted for this property. Specific project purposes were as follows:

1) To conduct additional research and field investigation for the used oil UST located at Southern Tire and Automotive. Specifically, to obtain data on the size, location, and regulatory status of the UST and to collect additional soil and groundwater samples to determine if soil and/or groundwater has been impacted by the presence of this UST on the property.

2) To address the discrepancy for the UST reported at Martin Cleaners. Specifically, to complete a ground penetrating radar survey to determine if there is a UST present at that location and to collect additional soil and groundwater samples to determine if soil and/or groundwater has been impacted by the presence of this UST on the property.

3) To address the detection of solvents and petroleum compounds detected in soil and groundwater at the facility. Specifically, to complete expanded Phase II ESA investigations and further define the source and extent of compounds detected.

MCES collected groundwater samples using a Geoprobe to advance borings at eight (8) locations. Soil samples were collected from three (3) of the eight (8) borings (SB-1, SB-2 and SB-7). Details regarding the analytes selected for the various samples are discussed in the attached Expanded Phase II ESA (**Appendix F**).

The results of the Expanded Phase II ESA indicated the presence of compounds in soil and groundwater at this property that exceeded the NCDENR action levels established for those compounds. Compounds detected in soil included 2-methylnaphthalene and naphthalene. The concentration of naphthalene exceeded its IHSB Soil to Water Preliminary Soil Remediation Goal (PSRG) standard in sample SB-2, 4-8'. The location of this soil sample was associated with a UST that was later closed by removal, as discussed in **Section 2.4.4.**

Compounds detected in groundwater included acetone, chloroform, naphthalene, PCE, bis (2-ethylhexyl) phthalate, di-n-butyl phthalate, fluoranthene, 2-methylnaphthalene, phenanthrene, pyrene and thirty-six (36) tentatively identified compounds (TICs). Of the compounds detected in groundwater, three (3) exceeded their respective NCDENR 2L Groundwater Quality Standard (GWQSs). Naphthalene was detected above its GWQS standard (6 ug/l) in sample SB-6 (10.8 ug/l). PCE was detected above its GWQS standard (0.7 ug/l) in sample SB-6 (1.82 ug/l). Bis (2-ethylhexyl)

phthalate was detected above its GWQS standard (3.0 ug/l) in samples SB-7 (6.67 ug/l) and SB-8 (4.67 ug/l).

Soil boring SB-6 was located immediately south of the Carquest Auto Parts building, and the detections of naphthalene and PCE were addressed in further investigations as described in **Sections 2.4.5** and **2.4.6.**

Because bis (2-ethylhexyl) phthalate is a known contaminant from plastic debris and construction materials, this compound was not considered to be a contaminant of concern for the subject site, and was not analyzed in subsequent site investigation activities.

Although regulated compounds were detected in excess of their remediation goals, the concentrations detected were very low, were "spotty" in nature, and did not indicate a significant release of these compounds at this property. Overall the results appeared to be what is expected of minor drips, spills, and non-point sources from this type of property.

Expanded Phase II ESA soil and groundwater sampling locations and concentrations are illustrated on **Figure 5**. Sampling results are summarized in **Tables 1 and 2**. The Expanded Phase II ESA Report prepared by MCES, dated March 2013, is provided in **Appendix F**. This report was submitted to the DENR IHSB on April 13, 2013 and the NCDENR assigned the Site ID: NONCD0002946 to the facility.

2.5.4 UST Closure Reports – May 2013 – Highlands Environmental Solutions, Inc.

Subsequent to the Phase II ESA and Expanded Phase II ESA, MCES contracted Environmental Products and Services, Inc. of Vermont (EPS) to conduct UST closure by removal services for the two USTs and Highlands Environmental Solutions, Inc. (HES) for environmental oversight, sampling and reporting services.

<u>UST Closure Report – Tank 1</u>
HES submitted an underground storage tank (UST) Closure Report dated May 22, 2013 (presented in **Appendix G**) for a 2,000-gallon diesel UST located off the northwest corner of the site property building (**Figure 4**) to the NCDENR for review. In a letter dated May 30, 2013, DENR provided a "Notice of No Further Action" letter for this incident.

<u>20-Day Report (UST Closure Report) – Tank 2</u>
HES submitted a 20-Day Report (UST Closure Report) dated May 10, 2013 (presented in **Appendix H**) for a 250-gallon used oil UST located off the southwest corner of the Southern Tire and Automotive building (**Figure 4**) to the NCDENR for review. DENR provided a "Notice of Regulatory Requirements" letter to follow the requirements of Title 15A NCAC 2L.0405. New Falls Properties subsequently contracted MCES to conduct Limited Site Assessment activities.

2.5.5 Limited Site Assessment Report – July 2013 - Mill Creek Environmental Services, Inc.

MCES conducted a Limited Site Assessment (LSA) for Tank 2 at Southern Tire and Automotive in response to requirements of North Carolina DENR UST Section regarding the 250-gallon used oil

UST. Based on the risk characterization determined during the LSA activities, MCES found that the subject property qualified as low risk. In a letter dated October 8, 2013, the NCDENR stated that "No Further Action" was necessary for Tank 2 at the subject site. The LSA Report is presented in **Appendix I**.

2.5.6 Horizontal Delineation of PCE in Groundwater

Based on the identification of PCE in groundwater exceeding its 15A NCAC 2L .0202 groundwater standard of 0.7 µg/l, MCES notified the NC DENR IHSB. The DENR IHSB has since assigned the Site ID: NONCD0002946 to the Apex Village property.

Although bis (2-ethylhexyl) phthalate was previously detected in groundwater above the regulatory standard in an expanded Phase II ESA field event (**Section 2.4.3**), this compound was not included as a chemical of concern for this site because it is a known contaminant from plastic debris and construction materials. Although naphthalene was detected above the regulatory standard in groundwater samples collected from MW-4, this constituent was addressed in the Limited Site Assessment though the NC DENR UST branch and received No Further Action determination.

MCES installed four (4) permanent groundwater monitoring wells (MW-1 through MW-4) at the subject property in July 2013 to facilitate horizontal delineation of PCE in groundwater. The locations of the monitoring wells are shown on **Figure 3**. No petroleum constituents were detected in wells MW-1 through MW-3. The naphthalene previously detected in a groundwater sample collected from SB-6 behind Carquest Auto Parts, was not detected in groundwater samples from MW-3, installed at the same approximate location. More detailed discussion of this field event is provided in **Section 3.0**.

In August 2013 MCES installed monitoring wells MW-5 through MW-7 on the subject property to provide further horizontal delineation of PCE in groundwater. The locations of the monitoring wells are shown on **Figure 3.** Groundwater samples were collected from wells MW-5 through MW-7 and analyzed for volatile organic compounds (VOCs). PCE was not detected above laboratory detection limits in sidegradient well MW-5, downgradient well MW-6, or downgradient (and across the stream) well MW-7. However, cis-1,2-dichloroethene (DCE) was detected below its regulatory limit in the sample collected from well MW-6. The DCE is likely a product of reductive dechlorination of PCE, and serves as an indicator that natural attenuation processes are occurring at the subject property. More detailed discussion of this field event is provided in **Section 3.0**.

In December 2013, MCES conducted a sampling event for wells MW-1 through MW-7 to collect water level data and analyze groundwater samples for VOCs. This event was conducted to establish a baseline for water table contouring and dissolved chlorinated ethene plume characterization. MCES also collected surfacewater samples to analyze for VOCs, and conducted slug tests in wells MW-3, MW-4 and MW-6 to collect data for calculation of hydraulic conductivity. More detailed discussion of this field event is provided in **Sections 3.1.6, 3.1.7 and 3.3**.

As shown on Figures 9a through 9d, the horizontal extent of PCE and TCE in groundwater appears to be adequately defined and is limited to the southeast corner of the subject site.

3 REMEDIAL INVESTIGATION REPORT

3.1 Methods of Investigation

The following sections describe MCES's approach to investigation of PCE in groundwater at the subject property, including installation of groundwater monitoring wells, well development, groundwater sampling, aquifer testing, and computer modeling of the contaminant plume.

3.1.1 Groundwater Monitoring Well Installations

Construction of permanent groundwater monitoring wells MW-1 through MW-4 on June 17, 2013 and wells MW-5 and MW-6 on September 12, 2013 began using a Geoprobe® equipped with macrobore sampling tools and 6-inch outside diameter (OD) solid-stem augers. Continuous 2-inch diameter soil samples were obtained from the borings for logging of subsurface lithology. Upon sufficient advancement below the apparent water-bearing zone, six-inch diameter pilot boreholes were advanced to depths ranging from 20 to 25-feet below ground surface (BGS). MCES constructed groundwater monitoring wells within the borings using 10 to 18 feet of 2-inch diameter, 0.010-inch slotted, schedule-40 PVC screen, and five (5) to ten (10) feet of unslotted riser. A filter pack was placed in the boring annulus around the screened interval by pouring #2 sand through the open borehole to approximately one (1) to two (2) feet above the top of screen. A clay seal was placed in the boring annulus around the well riser by pouring 3/8-inch bentonite pellets through the open borehole to approximately one (1) to two (2) feet above the top of sand. Potable water was added directly to the bentonite pellets and allowed to hydrate. A Portland cement grout seal was then placed on top of the bentonite seal to a depth of approximately 0.5 feet bgs. The wells were topped with an expansion gasket well cap and padlock. The wells were finished with a flush mounted 8-inch diameter bolt-on cover set in an approximate 4-inch thick concrete pad. All drill cuttings were spread on the ground surface in grassed areas within the subject property boundaries. Soil boring logs with well construction diagrams are presented in **Appendix J**.

Well MW-7 was installed utilizing a hand-auger on the east bank of the intermittent stream (which parallels the east property boundary). This well was installed in a location inaccessible to the Geoprobe® to assess whether the PCE contaminant plume has migrated beyond the intermittent stream. MCES advanced a 3-inch diameter hand-auger boring to an auger-refusal depth of seven (7) feet bgs. Well MW-7 was constructed within the boring using four (4) feet of 2-inch diameter, 0.010-inch slotted, schedule-40 PVC screen. A filter pack was placed in the boring annulus around the screened interval by pouring #2 sand through the open borehole to approximately 0.5 feet above the top of screen. A clay seal was placed in the boring annulus around the well riser by pouring 3/8-inch bentonite pellets through the open borehole to approximately 0.5 feet above the top of sand. Potable water was added directly to the bentonite pellets and allowed to hydrate. A Portland cement grout seal was then placed on top of the bentonite seal to a depth of approximately 0.5 feet bgs. The well riser was extended approximately three feet above ground surface and topped with an expansion gasket well cap and padlock. Well MW-7 was finished with a locking steel stand-up cover set in an approximate 4-inch thick concrete pad. The screen placement and dimensions of the pack and bentonite seal in

MW-7 deviate from the construction specifications generally required by North Carolina DENR; however, due to the shallow depth-to-water encountered during well installation, MCES necessarily constructed the well according to the April 22, 2013 North Carolina DENR State-Wide Well Construction Variance for Wells Other than Water Supply. Soil boring logs with well construction diagrams are presented in **Appendix J**.

3.1.2 Equipment Decontamination Procedures

All down-hole tools such as augers, macrocore sampling tools, water level probes, etc. were decontaminated before use in each borehole. Subcontractor personnel wore clean, impermeable nitrile gloves while decontaminating materials. Decontamination consisted of the following steps:

- Steam clean with high-pressure steam cleaner and then brush to remove all residual dirt/soil;
- Brush with water containing laboratory grade detergent;
- Steam clean; and
- Allow to air dry.

3.1.3 Monitoring Well Development and Purging

Each new monitoring well was developed to remove fine-grained materials from the well and improve connection with the formation. The wells were developed by lowering new, disposable high-density polyethylene (HDPE) bailers to the bottom of the well and surging, followed by bailing. Wells were developed until dry or approximately five (5) well volumes were removed. All bailers used for well development were new, clean HDPE bailers. A Horiba U53 Multi-parameter meter was used to monitor water quality information for the groundwater samples during well purging. All measurements and calculations were recorded on log sheets or in a bound, water-resistant field logbook. During well purging, it was noted that MW-7 was bailed dry after only 0.5-gallons were removed. Well development and purge water was poured onto asphalt surfaces on the subject property to allow any trace contaminants to volatilize. This well recovered sufficiently after approximately 25 minutes to remove additional groundwater. Groundwater development records are presented in **Appendix K**.

3.1.4 Site Survey

MCES contracted a professional land surveyor CDK Geomatics, PC of Cary, North Carolina to complete a survey of the subject site, including property boundaries, building outlines, apparent utilities, surface water, and monitoring wells based on elevation above mean sea level. The survey was conducted on September 4 and 5, 2013. The monitoring wells were surveyed for location and top of casing elevation. The surveyor provided an electronic drawing of the subject property, which MCES utilized to create the site plans and figures presented in this report.

3.1.5 Groundwater Sampling

On June 18, 2013 and September 12, 2013, groundwater samples were collected from the wells. The samples were collected by slowly and gently immersing the bailer into the groundwater to minimize turbidity and reduce disturbance of volatile organic constituents. Each groundwater sample was collected directly from the bailer into laboratory supplied, precleaned containers. Each sample was then labeled, packaged in bubble wrap and a clean plastic freezer bag, and placed on ice in a cooler. Upon completion of sample collection activities, all samples were shipped to Xenco laboratories in Norcross, Georgia following standard chain-of-custody procedures to be analyzed for volatile organic compounds (VOCs). The groundwater sample collected from MW-4 was additionally analyzed for semi-volatile organic compounds (SVOCs) plus10 tentatively identified compounds (TICs), volatile petroleum hydrocarbons (VPH), extractable petroleum hydrocarbons (EPH), chromium and lead. However, these additional constituents were analyzed as part of the LSA investigation conducted for closure of Tank #2 to address requirements of the North Carolina DENR UST Section, and were not considered applicable to the delineation of the PCE contaminant plume. Laboratory analytical reports and chain-of-custody forms are included in **Appendix L**.

On December 17, 2013, groundwater samples were collected from all existing wells at the site. Prior to sampling the seven (7) monitoring wells, a complete round of depth to water measurements was obtained. Water level measurements are presented in **Table 3**. Water levels were measured with an electric water-level indicator to the nearest 0.01 feet from an established measuring point marked on top of the well casing. This value was subtracted from the total depth of the well to obtain volume information prior to purging and sampling. Each well was then purged to provide groundwater samples representative of the saturated formation surrounding the screened interval. Purging and sampling was conducted using low-flow technique with peristaltic pump, silicone pump-head tubing, Teflon®-lined down-well tubing and water level meter. Groundwater levels were constantly monitored while purging groundwater from the wells while the peristaltic pump was adjusted to a rate that equilibrated water level draw-down versus groundwater recharge. The wells were purged until the field parameters of pH, conductivity, and dissolved oxygen had stabilized or a well had been pumped until nearly dry. A Horiba U53 Multi-parameter meter with a flow-through cell was used to obtain water quality information at approximate 0.5-gallon intervals for the groundwater samples during purging. All measurements and calculations were recorded on log sheets or in a bound, water-resistant field logbook. Groundwater development and sampling records are included as **Appendix K**. The Horiba U53 was calibrated prior to its use in the field in accordance with manufacturer's specifications. Wells that purged dry were allowed to recover and were then sampled. Well-development water was poured onto asphalt surfaces on the subject property to allow any trace contaminants to volatilize.

Each groundwater sample was collected directly from the bailer or pump tubing and placed into laboratory supplied, precleaned and HCl preserved 40 ml glass vials for VOC analysis, and unpreserved or special preservation for analysis of natural attenuation parameters. Each sample was then labeled, packaged in bubble wrap and a clean plastic freezer bag, and placed on ice in a cooler. Upon completion of sample collection activities, all samples were shipped to Analytical Environmental

Services, Inc. in Atlanta, Georgia following standard chain-of-custody procedures to be analyzed for VOCs and natural attenuation parameters, including chloride, ferrous iron, sulfate, sulfite, nitrate, nitrite, methane, ethene, and ethane. Laboratory analytical reports and chain-of-custody forms are included in **Appendix L**.

For all samples, the field personnel maintained custody of all samples until they were shipped for delivery with the chain-of-custody form to the laboratory to ensure possession of all samples. The chain-of-custody form included the sample identification, collection date and time, and analyses requested. The chain-of-custody form also documented sampling personnel. A logbook was established for this site and all field work conducted was logged in this book.

3.1.6 Surface Water Sampling

A surface water sample (SW-1) was collected during the December 17, 2013 sampling event from the intermittent stream at the southeast corner of the subject property (**Figure 8B**). The sample was collected by dipping water from the stream with a pre-cleaned, plastic dipper and transferring the collected water to the sample bottles. Care was taken not to disturb stream sediments while collecting the sample. Immediately following collection, the samples were placed on ice and stored in a cooler. The surface water sample was submitted to Analytical Environmental Services (AES) Laboratories in Atlanta, Georgia under standard chain-of-custody procedures to be analyzed for VOCs.

3.1.7 Aquifer Slug Testing

The hydraulic conductivity of the water-table aquifer was estimated by utilizing the aquifer slug test method. In the slug test method, hydraulic conductivity is determined from changes in water levels in a well after adding or removing a slug of known volume. The rate of change in the water level is assumed to be a function of the hydraulic conductivity of the aquifer materials in the vicinity of the test well.

On December 17, 2013, slug tests were performed in three (3) surficial aquifer monitoring wells (MW-3, MW-4, and MW-6) to estimate the hydraulic properties of the formation. Each test was performed using a decontaminated sand-filled PVC slug and an In-Situ LevelTroll 700 data logger equipped with a pressure transducer. The tests were performed by quickly lowering the slug into the well, which resulted in the raising of the water level. The water level was measured until it returned to near static conditions. Once the water level returned to static conditions, the slug was quickly removed and the water level measured until it again returned to static conditions. The rate at which the water level returned to equilibrium conditions after removal of the slug was used to calculate the hydraulic conductivity of the aquifer.

The slug test data were evaluated using AquiferTest V2.5, an interactive, Windows-based, computer program developed by Waterloo Hydrogeologic, Inc. for quantitatively estimating aquifer parameters. The Bouwer and Rice [1989] method for determining hydraulic conductivity for an unconfined aquifer was selected as the preferred method to analyze the data collected. Slug test data for each well were evaluated for consistency with site hydrogeology. Slug injection data were not used in this evaluation

as the data is less consistent for determining the actual properties of the aquifer, as recommended for the Bouwer and Rice method update [1991].

Based on the results of the testing and evaluation, hydraulic conductivity values averaged 2.45 x 10^{-4} centimeters/second (cm/sec) for the surficial aquifer. **Table 5** of this report summarizes the input parameters, estimated hydraulic conductivity values, and groundwater flow velocities for each test. **Appendix M** presents slug test data, type curves, and additional parameters for the aquifer slug testing performed at the site.

3.2 Site Geology and Hydrogeology

3.2.1 Geologic Conditions

Based on MCES' review of the United States Geologic Survey (USGS) 7.5-minute topographic quadrangle map titled Apex, North Carolina, the subject property is situated at an elevation of approximately 470 feet above mean sea level (msl). The subject property has a gently sloping downward topographic gradient to the southeast.

The subject property is situated in the Piedmont Physiographic Province of North Carolina. The geology of this area is characterized by a complex set of primarily metamorphosed, generally Paleozoic rocks. Lithologies below the property include rock such as gneiss, schist, and amphibolite. These rocks weather to form a reddish-brown soil called residuum, which consists of various amounts of sand, clay and silt mixtures.

Based on review of available information, the most common soil type found in the vicinity of the subject property belongs to the Mayodan soil series. Mayodan soil is a sandy loam and silty clay that belongs to Hydrologic Class "B" and exhibits moderate infiltration rates.

3.2.2 Hydrologeologic Conditions

Two distinct lithologic zones exist below the site: the soil/saprolite, and competent bedrock. Separate aquifers are found in each of the two lithologies, with a shallow water table aquifer being located in the soil/saprolite and a bedrock aquifer being located in fractures in the competent bedrock. The bedrock aquifer was not investigated during any of the site investigation events. The surficial aquifer at the site is estimated to be approximately 18.5 to 26.5-feet thick, starting at the water table located from approximately 3.5 to 11.5 feet BGS and ending at the top of bedrock identified in SB-2 at approximately 30-feet BGS. **Figure 10** is a Geologic Cross Section Location Map. **Figures 11a** and **11b** are Geologic Cross Sections.

Based on the aquifer slope model (Harry LeGrand, 1988), groundwater recharge occurs in upland areas and discharge occurs in local perennial streams. Only under rare conditions does groundwater pass beneath a perennial stream to a more distant stream. Based on laboratory results of groundwater samples collected from well MW-7 (**Figure 3**), the dissolved PCE plume does not appear to have migrated beyond the intermittent stream located along the east property boundary.

The upper surface of the bedrock typically acts as a confining surface to separate the two aquifer units. Groundwater flow at the site is assumed to mimic topography with recharge occurring upgradient to the northwest, groundwater flow towards the southeast, and groundwater discharge to the stream located on the eastern property boundary.

Water levels were measured with an electric water-level indicator to the nearest 0.01 feet from an established measuring point marked on top of the well casing. These measurements were then subtracted from the top of well casing elevation to determine water level elevations within the wells. A summary of groundwater level measurements and elevations is provided in **Table 3**. MCES used the water level elevations to contour the groundwater surface. Groundwater flow direction as indicated by potentiometric surface contouring was generally south southeast. **Figures 7a, 7b and 7c** are Potentiometric Surface Maps of the site at different dates.

No surface water or groundwater withdrawal points exist on the subject property. Water used at the site and the surrounding vicinity is extracted from Jordan Lake, as provided by the City of Apex Water Utility.

3.2.3 Hydraulic Gradient

The water levels collected on December 17, 2013 were used to calculate the hydraulic gradient in the shallow aquifer at the subject property using the following formula:

$$dh/dl = i$$

Where: dh = the change in head of the water table (ft)

dl = the length over which the change in head occurs (ft)

i = hydraulic gradient (unitless)

Using the above referenced formula, the following hydraulic gradient was calculated:

Shallow Aquifer (MW-1 to MW-6) 8.83 ft/504 ft = 0.0175

The hydraulic gradient was utilized to calculate groundwater seepage velocity as described below.

3.2.4 Groundwater Seepage Velocity

The groundwater seepage velocity within the surficial aquifer was calculated using the following formula:

$$K_s * I/n_e = V_s$$

Where: K_s = saturated hydraulic conductivity (cm/sec)

i = hydraulic gradient (ft/ft)

n_e = effective porosity (unitless)

V_s = groundwater seepage velocity (feet per day)

Using the above referenced formula, the groundwater seepage velocity within the shallow aquifer was calculated as follows:

$$V_s = (2.45E^{-4}*0.0175)/0.15 = 2.86E^{-5} \text{ cm/sec or } 29.6 \text{ ft/year}$$

Groundwater Seepage velocity calculations are presented in **Appendix M** and **Table 5**.

3.3 Investigation Results

3.3.1 Groundwater Analytical Results

Regulated compounds detected in the groundwater samples collected during the chlorinated ethene delineation events and regulated by IHSB are discussed in this section. Each substance is compared to the North Carolina Groundwater Quality Standards (GWQS). **Figures 9a, 9b, 9c** and **9d** illustrate the horizontal extent of PCE and TCE within groundwater at the site.

Although bis (2-ethylhexyl) phthalate was previously detected in groundwater above the regulatory standard in an expanded Phase II ESA field event (**Section 2.4.3**), this compound was not included as a chemical of concern for this site because it is a known contaminant from plastic debris and construction materials.

Although naphthalene was detected above the regulatory standard in groundwater samples collected from MW-4 (**Section 2.4.5**), this constituent was addressed in Limited Site Assessment though the NC UST branch, which received a No Further Action determination.

Analytical data for groundwater are summarized in **Table 2.** Copies of laboratory analytical reports, laboratory certification and chain-of-custody forms are included in **Appendix L**.

3.3.1.1 Tetrachloroethene

During the June 18, 2013 chlorinated ethene delineation sampling event, PCE was present above laboratory detection limits in three (3) of the four (4) groundwater samples collected (MW-1 through MW-4). PCE was detected in the groundwater samples collected from MW-2 at a concentration of 30.4 ug/l, MW-3 at a concentration of 27.5 ug/l, and in MW-4 at a concentration of 0.98 ug/l. The PCE concentrations detected in each of these samples are greater than the GWQS of 0.7 ug/l established for this compound.

During the September 12, 2013 chlorinated ethene delineation sampling event, PCE was not detected above laboratory detection limits in any of the three (3) groundwater samples collected (MW-5 through MW-7).

During the December 17, 2013 sampling event, PCE was present above laboratory detection limits in two (2) of the seven (7) groundwater samples collected (MW-1 through MW-7). PCE was detected in the groundwater samples collected from MW-3 at a concentration of 6.4 ug/l, and in MW-4 at a concentration of 2.1 ug/l. The PCE concentrations detected in each of these samples are greater than the GWQS of 0.7 ug/l established for this compound. Groundwater concentrations for PCE are summarized in **Table 2** and illustrated on **Figures 8a and 8b.**

3.3.1.2 Trichloroethene

During the June 18, 2013 chlorinated ethene delineation sampling event, trichloroethene (TCE) was present above laboratory detection limits in one (1) of the four (4) groundwater samples collected (MW-1 through MW-4). TCE was detected in the groundwater sample collected from MW-2 at a concentration of 14.6 ug/l. The TCE concentration detected in this sample was greater than the NC GWQS of 3.0 ug/l established for this compound.

During the September 12, 2013 chlorinated ethene delineation sampling event, TCE was not detected above laboratory detection limits in any of the three (3) groundwater samples collected (MW-5 through MW-7).

During the December 17, 2013 sampling event, TCE was present above laboratory detection limits in three (3) of the seven (7) groundwater samples collected (MW-1 through MW-7). TCE was detected in the groundwater samples collected from MW-1 at a concentration of 1.7 ug/l, MW-2 at a concentration of 3.4 ug/l, and in MW-3 at a concentration of 1.8 ug/l. The TCE concentration detected in the sample from MW-2 is greater than the NC GWQS of 3.0 ug/l established for this compound. Groundwater concentrations for TCE are summarized in **Table 2** and illustrated on **Figures 8a and 8b.**

3.3.1.3 Cis-1,2-dichloroethene

During the June 18, 2013 chlorinated ethene delineation sampling event, cis-1,2-dichloroethene (DCE) was present above laboratory detection limits in two (2) of the four (4) groundwater samples collected (MW-1 through MW-4). DCE was detected in the groundwater sample collected from MW-2 at a concentration of 13.8 ug/l, and in MW-3 at a concentration of 3.49 ug/l. The DCE concentrations detected in these samples was less than the NC GWQS of 70 ug/l established for this compound.

During the September 12, 2013 chlorinated ethene delineation sampling event, DCE was detected above laboratory detection limits in one (1) of the three (3) groundwater samples collected (MW-5 through MW-7). DCE was detected in the groundwater sample collected from MW-6 at a concentration of 6.78 ug/l. The DCE concentration detected in this sample was less than the NC GWQS of 70 ug/l established for this compound.

During the December 17, 2013 sampling event, DCE was not present above laboratory detection limits in any of the seven (7) groundwater samples collected (MW-1 through MW-7). Groundwater concentrations for DCE are summarized in **Table 2** and illustrated on **Figures 8a and 8b.**

3.3.2 Surface Water Analytical Results

During the December 17, 2013 baseline sampling event, no VOC compounds were detected in a surface water sample (SW-1) collected from the intermittent stream at the southeast corner of the subject property. The surface water sampling location is depicted on **Figure 8b**.

3.4 Natural Attenuation Evaluation

Several chemical and physical attributes can used as indicators of microbial metabolism and/or are geochemical conditions that affect microbial metabolism. Their presence or absence in comparison to background levels can therefore be used to infer biodegradative processes. To evaluate natural attenuation processes at the subject property, ethane, ethene, methane, nitrate, nitrite, sulfate, sulfite ferrous iron (Iron II), chloride, dissolved oxygen (DO), conductivity, pH, temperature, and oxidation-reduction potential (ORP) were measured in groundwater samples collected from all seven (7) monitoring wells on the subject property during the December 17, 2013 baseline sampling event. The results of the monitored natural attenuation (MNA) sampling are presented in **Table 4**.

Key observations from the December 17, 2013 sampling event that provide lines of evidence for microbial metabolism and reductive dechlorination of the chemicals of concern (COCs) are as follows:

- DCE was detected in wells MW-2, MW-3 and MW-6. DCE is a daughter-product of the reductive dehalogenation of PCE and TCE in groundwater. The presence of DCE is an indication that microbial activity is inducing reductive dehalogenation of the chlorinated ethene chemicals of concern;
- Methane was not detected in upgradient well MW-1 or well MW-4. However, significant concentrations were detected in several downgradient wells (MW-5, MW-6 and MW-7), which may indicate an increase in microbial activity that produces methane as a byproduct (methanogenesis);
- Ferrous iron shows an increase in downgradient wells MW-5 and MW-6, indicating an increase in microbial activity that produces ferrous iron as a byproduct;
- Chloride concentrations in midgradient well MW-4 and downgradient wells MW-6 and MW-7 appears significantly higher than concentrations in wells MW-1 through MW-3, indicating an increase in microbial activity that produces chloride by reductive dehalogenation of the chlorinated ethene chemicals of concern.

Additional observations are as follows:

- Dissolved oxygen concentrations are noticeably lower in downgradient wells MW-6 and MW-7 compared to upgradient and midgradient wells. The lower dissolved oxygen concentrations are an indicator of anaerobic conditions favorable for the reductive dechlorination of the COCs;
- Nitrate concentrations were generally low across the site, which is also an indicator of conditions favorable for the reductive dechlorination of the COCs;

Overall, the subject property groundwater conditions appear to be favorable for MNA. Future MNA sampling events will provide additional data for the appropriate indicator parameters to further evaluate trends in chlorinated ethene degradation.

3.5 Groundwater Modeling

The following sections summarize efforts to model contaminants in groundwater at the site.

3.5.1 Biochlor Groundwater Model and Model Area Selection

MCES utilized *Biochlor*, a software-based screening model that simulates remediation by natural attenuation of dissolved chlorinated solvents in groundwater. The purpose of the *Biochlor* model developed for this project is to determine whether monitored natural attenuation (MNA) is occurring at the site, to estimate the maximum predicted extent of the dissolved PCE plume and to estimate the time required for the natural attenuation process to reduce plume concentrations to below the Groundwater Quality Standards. *Biochlor* was selected due to its ease of use and widespread acceptance as a screening tool to determine if natural attenuation is occurring at a sufficient rate to control the spread of contamination at a chlorinated solvent site. *Biochlor* includes three different model types. For this project the solute transport and biodegradation were modeled without decay and as a sequential first-order decay process.

The isoconcentration maps developed as part of this remedial investigation indicate that the dissolved PCE contaminant plume generally lies within the southeastern quadrant of the subject property. The source of the plume is generally considered unknown, but could be the result of spilled or discarded solvent from Southern Tire and Automotive and/or from a former lawnmower repair operation that was conducted behind the current Carquest Auto Parts building. This observation is based on observed plume geometry, and groundwater flow direction.

3.5.2 Biochlor Model Input

MCES selected a set of input parameters for the model of the plume based on current and historical groundwater analytical data, hydrogeological data collected during well installation activities in 2013, and reasonable assumptions (based on our conceptual model of the contaminant migration) regarding the fate and transport of contamination through the subsurface. Methodology and assumptions are discussed below. Input parameters and model output for the plume are included in **Appendix N**.

A source area width of 50 feet was selected based on the PCE isoconcentration contours depicted on **Figure 9a**. A source thickness of 20 feet was selected based on known depth to bedrock of approximately 30 feet bgs in Expanded Phase II ESA boring SB-2, and an assumed aquifer thickness of approximately 20 feet. The entire vertical extent of the aquifer is considered contaminated in the source area because PCE is a dense non-aqueous phase liquid (DNAPL).

The monitoring points included in this model are those screened in the suficial aquifer and located along the approximate centerline of the plume (MW-3 and MW-6). Groundwater analytical data collected in June, September, and December of 2013 from these wells indicate impacts from chlorinated ethene compounds DCE, PCE and TCE at these locations. The contaminants PCE and TCE were chosen for use in this model because only they have been documented at concentrations above the applicable GWQS.

The model area length of 250 feet was selected based on the distance from an inferred source area approximately 50 feet upgradient of MW-3 to the inferred downgradient plume boundary near MW-6. The model area width of 200 feet was selected based on the estimated width of the plume.

Following data entry, the contaminant plume model was calibrated by running several iterations of the model and modifying input parameters until the conditions observed during the model predictions matched the 2013 sampling events. Specifically, source area concentrations, and biodegradation rate values were adjusted until the model output matched observed concentrations at a model output time of 30 years. A summary of input parameters and the rationale for their selection is included in **Appendix N** with the model output.

Once calibrated, the model was run with a decaying source to simulate the effect of passive source area natural degradation. For the decaying source model, a first-order decay coefficient of 3.11 (based on 1/year semi-log plot) was determined using historic groundwater PCE concentration data to simulate the rate at which the source area PCE concentration decreased as the source was depleted of the constituents of concern. However, the Biochlor model would not run using 3.11 as the source area degradation rate, and indicated that the degradation rate could not exceed 0.107. Since the 0.107 rate denoted slower degradation than the 3.11 rate, MCES used 0.107 as a more conservative approach.

The model was run with a plume length equal to the model area of 250 feet over time to assess the dissolved PCE plume conditions and predict the dissolved PCE plume fate as follows:

- Assess whether remediation by natural attenuation is occurring within the dissolved PCE plume;
- Predict the time needed for the PCE plume to reach its maximum length, the maximum plume length at that time, and the PCE concentration at that time; and,
- Predict the time needed for the PCE concentration at the location of MW-3 to fall below the NC GWQS of 0.7 ug/l.

3.5.3 Biochlor Model Results

Based on the output of the model runs, the following observations were made:

- Remediation by natural attenuation is occurring within the dissolved PCE plume;
- The model indicated the maximum length of the PCE plume was reached within approximately ten (10) years from the time of release (mid-1980s) at a distance of 225 feet from the assumed source area (using a first-order rate of decay) and a concentration of 1 ug/l; and,
- Biochlor indicated the PCE concentration at the location of MW-3 would be reduced to below the NC GWQS of 0.7 ug/l within 34 years from the time of release (mid-1980s). Based on an inferred release date of 1983, the PCE concentration in MW-3 would fall below its NC GWQS in the year 2017.

Note that model results are based on historic site data and conservative input parameters selected for the model runs. Actual concentrations and time periods to achieve remediation goals could vary from those predicted by the modeling effort.

Model output diagrams illustrating the predicted downgradient contaminant concentrations at selected points in time are provided in **Appendix N**. In general, the results of the modeling effort indicate that Monitored Natural Attenuation is a feasible remedy for this site. The model shows contaminant concentrations are relatively low near the source area, daughter compounds of PCE are present indicating that the PCE is degrading, and the predicted downgradient concentrations are very low. Overall, conditions at this site support natural attenuation as a corrective measure.

3.6 Conclusions of Site Investigation

Very low concentrations of PCE in groundwater indicate that PCE on the subject property is in the dissolved phase and no indications of pure phase NAPL have been detected. The PCE release is considered a non-point-source and may be the result of several small releases over many years. The length of the PCE groundwater plume appears to extend south southeast from an area located between well MW-1 and MW-3 to an area between MW-2 and MW-6 just north of the south property boundary (approximately 250 feet in length). The lateral extent of the plume appears to extend from the approximate area of MW-4 to between MW-3 and MW-5 (approximately 200 feet in width). The vertical extent of the plume in bedrock has not been assessed at this time.

TCE and DCE detected in groundwater appear to be transformation products from the reductive dehalogenation of PCE. Although an intermittent stream flows from north to south along the eastern property boundary, no VOC constituents were detected in a sample collected from the stream at the southeast corner of the subject property on December 17, 2013. The dissolved PCE plume appears to be contained within the subject property boundaries. Evaluation of natural attenuation parameters and Biochlor modeling indicated that Monitored Natural Attenuation is a feasible remedy for this site. Overall, groundwater conditions at this site support natural attenuation as a corrective measure.

4 REMEDIAL ACTION EVALUATION

4.1 Remedial Action Objectives

Remedial objectives for the subject site include source control, protection of human health, protection of groundwater quality, and protection of surface water quality:

- Human health must be protected based on direct exposure from existing or future water supply wells. No water withdrawal points exist on the subject property. MCES identified no public or non-public drinking water wells within a half-mile radius of the site (see **Figure 12**). Water used at the site and the surrounding vicinity is extracted from Jordan Lake, as provided by the City of Apex Water Utility;

- Groundwater should be returned to its beneficial use where practical, which in North Carolina, dictates restoration as a drinking water source. Groundwater remedial action goals are discussed in **Section 4.4.2.1**; and,
- The nearest surface water body is an intermittent stream that flows from north to south along the eastern property boundary. No VOC constituents were detected in a sample collected from this stream at the southeast corner of the subject property.

4.2 Evaluation of Remedies

The following sections include potential groundwater remediation options for the subject site. The objective of these options is to obtain the appropriate GWQS for each COC. Based on the preliminary screening of technologies, four options were considered for treatment of contaminated groundwater:

- In-Situ Biological Treatment - Monitored Natural Attenuation (MNA);
- In-Situ Biological Treatment - Enhanced Bioremediation;
- In-Situ Physical Treatment – Air Sparging/Vapor Extraction; and
- Ex-Situ Physical Treatment – Pump and Treat.

Each remedial alternative was evaluated for the following criteria:

- Protection of human health and the environment, including attainment of remediation goals;
- Compliance with applicable federal, state, and local regulations;
- Long term effectiveness and permanence;
- Reduction of toxicity, mobility and volume;
- Short-term effectiveness: effectiveness at minimizing the impact of the site remediation on the environment and the local community;
- Implementability: technical and logistical feasibility, including an estimate of time required for completion;
- Cost; and,
- Community acceptance.

4.2.1 In-Situ Biological Treatment - Monitored Natural Attenuation

An evaluation of MNA for the subject property is discussed previously in this report. Results of groundwater sampling and Biochlor modeling indicate that MNA is occurring at this site. Site-specific criteria favorable to the implementation of monitored natural attenuation at this site, as outlined by EPA guidance (U. S. EPA, 1999, p. 13-19) include:

- A conceptual model of the hydrogeology of the site and the potential migration pathways have been developed as part of this investigation;

- The extent of contaminants in groundwater are known;
- Groundwater sampling data indicates that the plume has stabilized;
- There is no immediate or potential threat of human exposure at the site;
- There is no immediate or projected demand for the groundwater resource at the site;
- VOC concentrations at the site are already low and consistent with the application of monitored natural attenuation; and,
- Historical data reported transformation products resulting from naturally occurring dechlorination of VOCs.

When the rate of natural attenuation of site contaminants is sufficient to attain site-specific remediation objectives in a time period that is reasonable compared to other alternatives, MNA is an appropriate remedy for the site.

The potential advantages of MNA include:

- MNA is generally accepted by federal and state regulatory agencies as an effective means to protect human health and the environment, as well as attain cleanup goals;
- MNA is effective in the short-term and long-term because once the COCs degrade to concentrations below the GWQSs, the site is clean;
- Site remediation by MNA presents low impact on the environment and the local community since there is no system installation, construction, or ground disturbance;
- Communities tend to favor MNA as long as contaminants do not impact surface waters or water supply wells;
- As with any in situ process, generation of lesser volume of remediation wastes;
- Reduced potential or cross-media transfer of contaminants commonly associated with ex-situ treatment;
- Reduced risk of human exposure to contaminated media;
- Less intrusion as few surface structures are required;
- Potential for application to all or part of a given site, depending on site conditions and cleanup objectives; and,
- Lower overall remediation costs than those associated with active remediation.

The potential disadvantages of MNA include:

- Longer time frames may be required to achieve remediation objectives, compared to active remediation;
- Site characterization may be more complex and costly;
- Toxicity of transformation products may exceed that of the parent compound; and,

- Long-term monitoring may be necessary.

MCES recommends MNA as the preferred alternative for long term groundwater treatment at this site.

4.2.2 In-Situ Biological Treatment - Enhanced Bioremediation

Enhanced bioremediation can increase the rate of groundwater contaminant degradation processes by injecting a substrate to initiate bacterial or chemical changes in the groundwater environment. The process for enhanced bioremediation would follow the same dechlorination of contaminants as MNA discussed above, only with the addition of compounds or microbes that would enhance the biological and chemical breakdown of the groundwater contaminants. At the subject site, the objective would be to induce a reduced condition within the surficial aquifer. These processes would then be monitored to ensure that the conditions remain optimized for the desired degradation to occur. Enhanced bioremediation is appropriate when MNA processes are slow and remediation goals are not being met within a reasonable time frame.

The potential advantages of enhanced bioremediation include:

- May achieve remediation goals over a shorter time frame than MNA alone;
- Low impact on the environment and the local community since there is no system installation or construction;
- Reduced risk of human exposure to contaminated media;
- As with any in situ process, generation of lesser volume of remediation wastes; and,
- Lower overall remediation costs than those associated with active remediation.

The potential disadvantages of enhanced bioremediation include:

- Effectiveness may be limited by the biodegradative abitities of the indigenous microorganisms;
- Effectiveness may be limited by the biodegradability of the site contaminants;
- Implementation of substrate injections for enhanced bioremediation would incur high cost; and,
- Additional injection events may be necessary to maintain optimal conditions for desired contaminant degradation;

MCES does not recommend in-situ biological treatment by enhanced bioremediation at this time, but may consider this remedy in the future if MNA is not meeting remedial action cleanup goals.

4.2.3 In-Situ Physical Treatment – Air Sparging/vapor extraction

Air sparging is an in-situ technology in which air is injected into a contaminated aquifer through vertical and/or horizontal wells by one or more air compressors. The injected air disperses laterally before migrating upward through the aquifer material, volatilizing or stripping contaminants from the dissolved phase into the vadose zone soil pore spaces. These vapors may be removed by soil vapor extraction (SVE) or may be allowed to degrade naturally in the vadose zone.

The potential advantages of air sparging include:

- The introduction of oxygen into the subsurface by air sparging may also enhance biodegradation of contaminants that are degraded under aerobic conditions; and,
- Use of air sparging often results in significant decreases in contaminant concentrations, particularly at sites with moderate to high dissolved COC concentrations and favorable permeability (greater than 10E-5 cm/second).

The potential disadvantages of air sparging include:

- In heterogeneous soil conditions, the injected air may flow through more permeable channels, bypassing some contaminated zones and leaving them relatively unaffected.
- Although soils that are mostly homogeneous may have fewer preferential pathways, they may not be as effective in transmitting air laterally.
- The effectiveness of air sparging is usually less pronounced at sites with low dissolved concentrations and at sites with lower permeability.
- Installation of an air sparging system would be highly disruptive to the current use of the site;
- Air sparging provides oxygen to the treated groundwater areas, which would be in conflict with the need for anaerobic conditions needed for reductive dechlorination of the chlorinated ethene groundwater plume.

Air sparging is not a favored remedy for the subject site due to site conditions and high cost of installation, operation, and maintenance.

4.2.4 Ex-Situ Physical Treatment – Pump and Treat

Pump and treat systems involve pumping groundwater from recovery wells, which is then sent through an air stripper, holding tank, and activated carbon canisters. The recovered groundwater would be stripped of VOCs and the clean groundwater discharged to a nearby surface water feature, injected into the ground, or pumped into a sanitary sewer.

The potential advantages of pump and treat include:

- Effectively remove VOCs from groundwater pumped through the treatment system; and,
- Since cones of depression occur in the water table at pump and treat extraction points, these systems are often used to control migration of contaminant plumes.

The potential disadvantages of pump and treat include:

- Pump and treat systems are less commonly used for sites contaminated with VOCs due to the typically high operation and maintenance costs and long durations required to achieve remediation goals;
- Installation of a pump and treat system would be highly disruptive to the current use of the site;

- Installation of a pump and treat system would incur high cost; and
- Since the chlorinated ethene groundwater plume appears stable and is not migrating offsite, a pump and treat system would not be necessary to control plume migration.

Pump and treat is not a favored remedy for the subject site because of the high cost of installation, operation, and maintenance.

4.2.5 Additional Technology Screening Considerations

Other remedial technologies were considered for the cost benefit to be achieved through shortening the time needed to reach corrective action goals. Most available technologies were eliminated from consideration because they are invasive, disruptive to current use of the property, highly equipment/construction oriented, and exponentially greater in cost for little or no additional benefit. Technologies eliminated from consideration for these reasons are: interceptor trenches, reactive barriers and treatment walls, and enhanced injection and extraction technologies that use steam, air, surfactants, or co-solvents to bring the chlorinated solvent mass to the surface for treatment.

4.3 Remedial Action Plan

The selected remedial action method, cleanup goals, and monitoring plan are discussed in the following sections.

4.3.1 Selected Method of Groundwater Remediation

MCES has selected the following method of groundwater remediation for the subject property:

- Monitored Natural Attenuation

Monitored natural attenuation (MNA) includes the use of natural processes to clean groundwater without other engineering controls. These processes are monitored to insure protection of human health and the environment. The natural processes that degrade contaminants in groundwater, or retard contaminant migration, include:

- Biodegradation - This is a biological decay through microbial decomposition, which is usually a first-order decay. This includes reactions involving the degradation of organic compounds whose rate is controlled by the abundance of the microorganisms and redox conditions. This is an important mechanism for solute reduction.
- Dispersion/Dilution - Dispersion is fluid mixing due to effects of unresolved heterogeneity in the permeability distribution. Dilution occurs when a source of clean flow mixes with the contaminant source. These are mechanisms that reduce the solute concentrations in a plume.
- Sorption - A reaction between a solute and the surfaces of solids causing the solute to bond to its surface. An important mechanism that reduces the rate at which the solute is apparently moving. This mostly affects inorganic compounds and organics with low solubility including PCE and its breakdown products.

- Acid-base Reactions - Reactions involving a transfer of protons. This process mainly exercises an indirect, but important, control on solute transport by controlling the pH of groundwater.
- Hydrolysis/Substitution - Reaction of an organic compound with water or a component of water (hydrolysis) or with another anion (substitution). Often this makes an organic compound more susceptible to biogedradation and more soluble.
- Redox Reactions - Reactions that involve a transfer of electrons and include elements with more than one oxidation state. Extremely important reactions affecting organic compounds through chemical degradation reactions.
- Volatilization - A chemical-physical reaction that transfers a compound from one state to another (solid, liquid, or gas) between two media (soil, water, or air). This occurs in groundwater in the unsaturated zone or air/water interface. The reaction is governed by atmospheric mass transfer and the key factor is the Henry's law constant of each constituent.

Primary reasons why monitored natural attenuation is an effective corrective action strategy for the subject property are:

- The existing presence of biodegradation breakdown products of PCE, the constituent apparently released at non-point source locations, has been documented, suggesting that subsurface site conditions are conducive to naturally occurring biodegradation of chlorinated VOCs.
- Current groundwater constituent concentrations at this site are very low, and at a concentration conducive to the use of MNA as the appropriate remedial process.
- The contaminant plume has been demonstrated to have very limited extent, indicating natural processes that limit contaminant migration are effective at this site.
- The presence of high levels of methane and ferrous iron in downgradient monitoring wells appear to indicate microbial activity at the site.

4.3.2 Remedial Action Cleanup Goals

The following sections list the cleanup goals for groundwater, soil, and surface water at the subject site based on North Carolina DENR regulatory standards.

4.3.2.1 Groundwater

Sampling at the site has confirmed that three constituents remain in groundwater at concentrations greater than laboratory method detection limits: PCE, TCE and DCE. Corrective action goals for the remediation of DCE, PCE, and TCE are currently based on NCDENR 15A NCAC 2L GWQSs. The corrective action goals for these compounds are summarized in the following table:

Constituent	Groundwater	
	ug/l	Basis
Tetrachloroethene (PCE)	0.7	NCDENR 15A NCAC 2L GWQS
Trichloroethene (TCE)	3	NCDENR 15A NCAC 2L GWQS
cis-1,2-dichloroethene (DCE)	70	NCDENR 15A NCAC 2L GWQS

The goal of remediation at the Apex Village site is to achieve these constituent concentrations in groundwater, or other risk-based corrective action levels that may be established in the future under DENR guidance. Note that DCE concentrations are currently less than the remedial action goal. PCE and TCE require additional remediation to achieve their respective remedial action goals. If additional breakdown byproducts (i.e., 1,1-dichloroethene, and vinyl chloride) are detected in excess of the applicable GWQSs, those constituents will be included in sampling, evaluation, and remediation plans for the site.

4.3.2.2 Soil

Soil contamination in excess of the applicable standards has not been identified at the Apex Village site. No corrective action is proposed for site soil at this time.

4.3.2.3 Surface Water

No VOCs have been detected in surface water samples collected from the site to date. No corrective action is proposed for the site surface water at this time.

4.3.3 Remedial Action Monitoring Plan

The proposed remedial action monitoring plan is designed to monitor contaminant concentrations, natural attenuation parameters, and standard field parameters in the surficial aquifer. Local surface samples will be monitored for standard field parameters and analyzed for contaminants.

The remedial action monitoring samples will be collected and evaluated on an annual basis. Long-term monitoring of groundwater is proposed for wells MW-1 through MW-7. The proposed analytical parameters are VOCs, nitrate, nitrite, sulfate, sulfite, chloride, total iron, ferrous iron, total organic carbon, methane, ethane, and ethene. Standard field parameters dissolved oxygen, pH, temperature, specific conductivity, and oxidation-reduction potential will also be measured during each monitoring event.

The proposed analytical parameters for long-term monitoring of surface water at one location near the southeast corner of the subject property are VOCs. Standard field parameters dissolved oxygen, pH, temperature, specific conductivity, and oxidation-reduction potential will be measured in the surface water during each monitoring event.

Remedial action monitoring and reporting will be conducted on an annual basis. Data from each monitoring event will be included in an annual Remedial Action Monitoring Report to illustrate the trends in contaminant concentrations within the plume. The Remedial Action Monitoring Reports will include:

- Remedial action monitoring procedures;
- Analytical results of the monitoring event;
- Potentiometric surface maps;
- Groundwater contaminant isoconcentration maps;
- Time vs. concentration plots of contaminants demonstrating the upward or downward trends of the contaminant of concern or the steady-state nature of the contaminant plume;
- An evaluation and summary of the natural attenuation data;
- A revised Biochlor model for validation of natural attenuation activity; and,
- A statement that the goals of the corrective action plan are being achieved or not achieved and recommendations for actions in order to achieve these goals;

A summary of sampling locations and monitoring parameters is included in **Table 6**. Well locations are illustrated in **Figure 3**.

5 REMEDIATING PARTY CERTIFICATION

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

_____
(signature of remediating party)

_____
(printed or typed name of remediating party)

I certify that the following person(s) appeared before me this day, each acknowledging to me that he or she signed the foregoing document: _____*(printed full name)*

Date:_____

_____
(signature of notary public)

Official Seal

_____
(printed or typed name of Notary Public)

Notary Public

My commission expires: _____

Ronald P. Fisher
(signature of remediating party)

RONALD P FISHER
(printed or typed name of remediating party)

I certify that the following person(s) appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Ronald P. Fisher *(printed full name)*

Date: June 5, 2014

Mary E. Druzbick
(signature of notary public)

Mary E. Druzbick
(printed or typed name of Notary Public)

Official Seal

Notary Public

My commission expires: January 14, 2015

MARY E. DRUZBICK NOTARY PUBLIC O.C. JACKSON COUNTY, N.C.

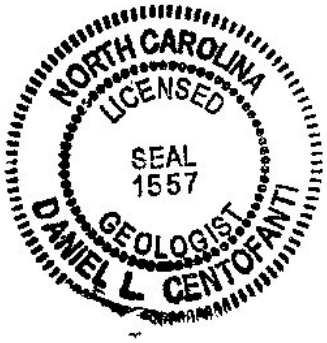
6 CONSULTANT CERTIFICATION

6 CONSULTANT CERTIFICATION

I certify that, to the best of my knowledge, after thorough investigation, the information contained in or accompanying this certification is true, accurate, and complete.

(signature of remediating party)

Daniel L. Centofanti, P.G.
(printed or typed name of remediating party)



I certify that the following person(s) appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Daniel L. Centofanti, P.G. (*printed full name)*

Date: November 7, 2014

(signature of notary public)

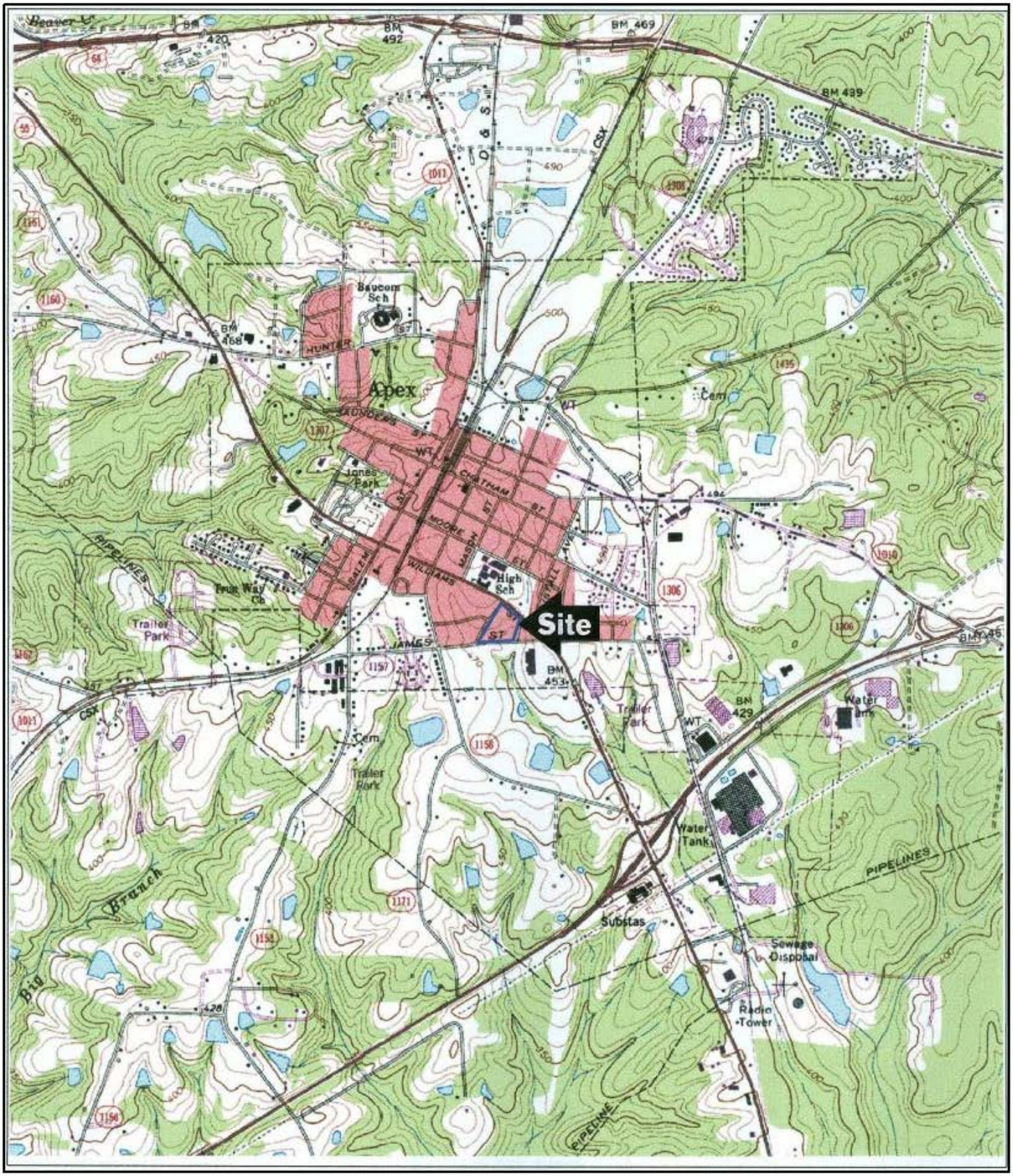
Official Seal

Cheri Kimbrell
(printed or typed name of Notary Public)

Notary Public

My commission expires: January 21, 2018

FIGURES



MCES

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Rd.
Dawsonville, Georgia 30534
706-579-1607

FIGURE 1: SITE LOCATION MAP

Apex Village
500-610 E. Williams Street
Apex, North Carolina 27502

0 1000 2000
SCALE IN FEET
1 INCH = 2000 FEET

SOURCE: Maptech Terrain Navigator 1:24,000 scale topographic map, 1997

North Carolina

Photo Source: Google Earth

ENVIRONMENTAL SERVICES

FIGURE 2: AERIAL PHOTO
Apex Village
500-610 E Williams Street
Apex, Wake County,

LEGEND

MW-1 Groundwater Monitoring Well Location

SW-1 Surface Water Monitoring Location

EAST WILLIAMS STREET (NC HWY 55)
100' PUBLIC R/W

556° 40' 10"E
104.36'

553° 59' 17"E
140.92'

551° 22' 07"E
118.22'

548° 59' 25"E
86.77'

JAMES D. WALKER
&
CHERYL D. WALKER
DB 11971 PAGE 1755
BM 1998 PAGE 1937
PIN #0741580751

N31° 36' 36"E
153.66'

N31° 49' 37"E
30.59'

JAMES D. WALKER
&
CHERYL D. WALKER
DB 11971 PAGE 1755
BM 1998 PAGE 1937
PIN #0741489538

N31° 32' 16"E
59.65'

NC GRID COORDINATE
NAD 83 (2011) 2010.00 EPOCH
N=718,489.44'
E=2,044,997.16'
SF=0.999906479
CF=0.999889010

COOKE STREET
VARIABLE WIDTH
PUBLIC R/W

WATERLINE EASEMENT
BM 2002 PAGE 2036 - DB 10097 PAGE 1932

TANK 1
Former
2,000-Gallon
Diesel UST
(NFA 5-30-13)

Former UST
System
(NCDENR "Closed Out" Status)

5.737 ACRES
PIN #0741582328
1 STORY BRICK &
BLOCK BUILDING

TANK 2
Former
250-Gallon
Used Oil UST
(NFA 10-8-13)

12.5' SANITARY SEWER EASEMENT
BM 1983 PAGE 882 - DB 3157 PAGE 328

1 STORY METAL &
BLOCK BUILDING

1 STORY METAL &
FRAMED BUILDING

1 STORY
METAL
BUILDING

1 STORY
METAL
BUILDING

1 STORY BRICK &
FRAMED BUILDING

SHORT STREET
VARIABLE WIDTH PUBLIC R/W

N31° 40' 05"E
407.27'

S87° 57' 08"W
216.98'

S85° 57' 10"W
66.90'

N89° 43' 30"W
52.61'

S87° 49' 28"W
75.31'

N89° 40' 49"W
21.49'

S85° 48' 25"W
194.33'

JAMES STREET
VARIABLE WIDTH PUBLIC R/W
BM 2006 PAGES 2442-2445
DB 12883 PAGE 2754

MOHAMED IBRAHIM EIED
&
SAHAR FATHI EIED
DB 9870 PAGE 177
PIN #0741585342

S17° 39' 54"W
136.05'

S17° 10' 07"W
178.21'

DRAINAGEWAY

PARTICLE BOARD
ENCLOSURE ENCROACHES
ONTO SUBJECT PARCEL

MARY DOROTHY SEELA OPATHA
DB 14634 PAGE 483
PIN #0741584260

MW-1
MW-2
MW-3
MW-4
MW-5
MW-6
MW-7
SW-1

0 80 160
SCALE IN FEET

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Rd.
Dawsonville, Georgia 30534
706-579-1607

FIGURE 3:
SITE PLAN
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

Reference: Land survey completed by CDK Geomatics, PC of Cary, North Carolina on September 4-5, 2013.

LEGEND

GW-1 Geoprobe Sampling Groundwater Location

S-1 Geoprobe Sampling Soil Location

Groundwater Analytical Data

GW-2, 1-23-13		Sample ID and Collection Date
Tetrachloroethylene	1.08 ug/l	Detected Compound and Concentration

All concentrations given in micrograms per liter (ug/l)

ND = None Detected in Excess of Clean-Up Criteria

Soil Analytical Data

SB-2, 4-6', 3-7-13		Sample ID and Collection Date
Naphthalene	1.01 mg/kg	Detected Compound and Concentration

All concentrations given in milligrams per kilogram (mg/kg)

ND = None Detected in Excess of Clean-Up Criteria

NOTE: Only those compounds with concentrations in excess of their respective clean-up criteria are shown on this figure. Please refer to laboratory reports for a full list of compounds analyzed.

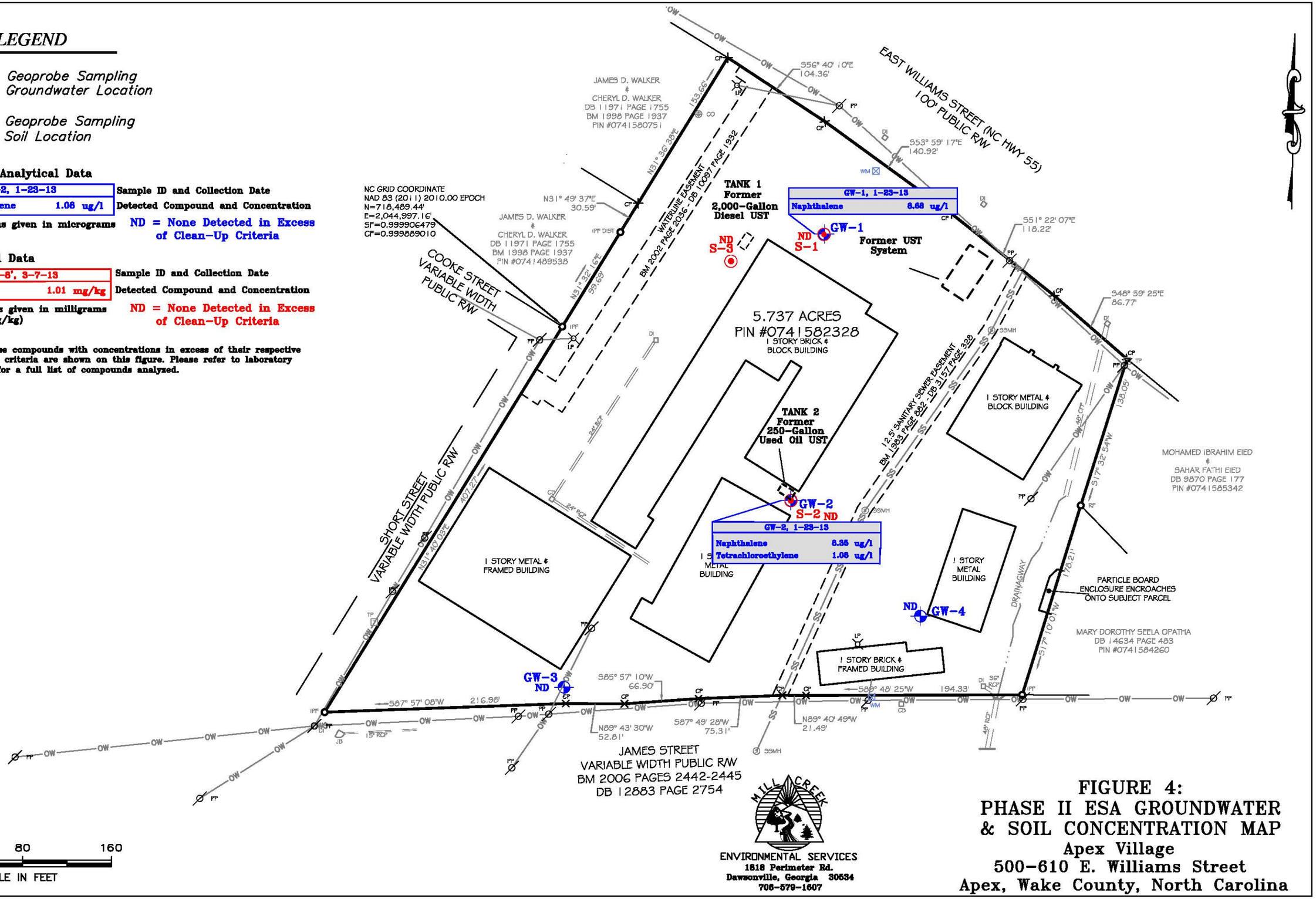


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FIGURE 4: PHASE II ESA GROUNDWATER & SOIL CONCENTRATION MAP

Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

LEGEND

SB-1 Geoprobe Sampling Groundwater Location

SB-1 Geoprobe Sampling Soil Location

Groundwater Analytical Data

GW-2, 1-23-13		Sample ID and Collection Date
Tetrachloroethylene	1.06 ug/l	Detected Compound and Concentration

All concentrations given in micrograms per liter (ug/l)

ND = None Detected in Excess of Clean-Up Criteria

Soil Analytical Data

SB-2, 4-6', 3-7-13		Sample ID and Collection Date
Naphthalene	1.01 mg/kg	Detected Compound and Concentration

All concentrations given in milligrams per kilogram (mg/kg)

ND = None Detected in Excess of Clean-Up Criteria

NOTE: Only those compounds with concentrations in excess of their respective clean-up criteria are shown on this figure. Please refer to laboratory reports for a full list of compounds analyzed.

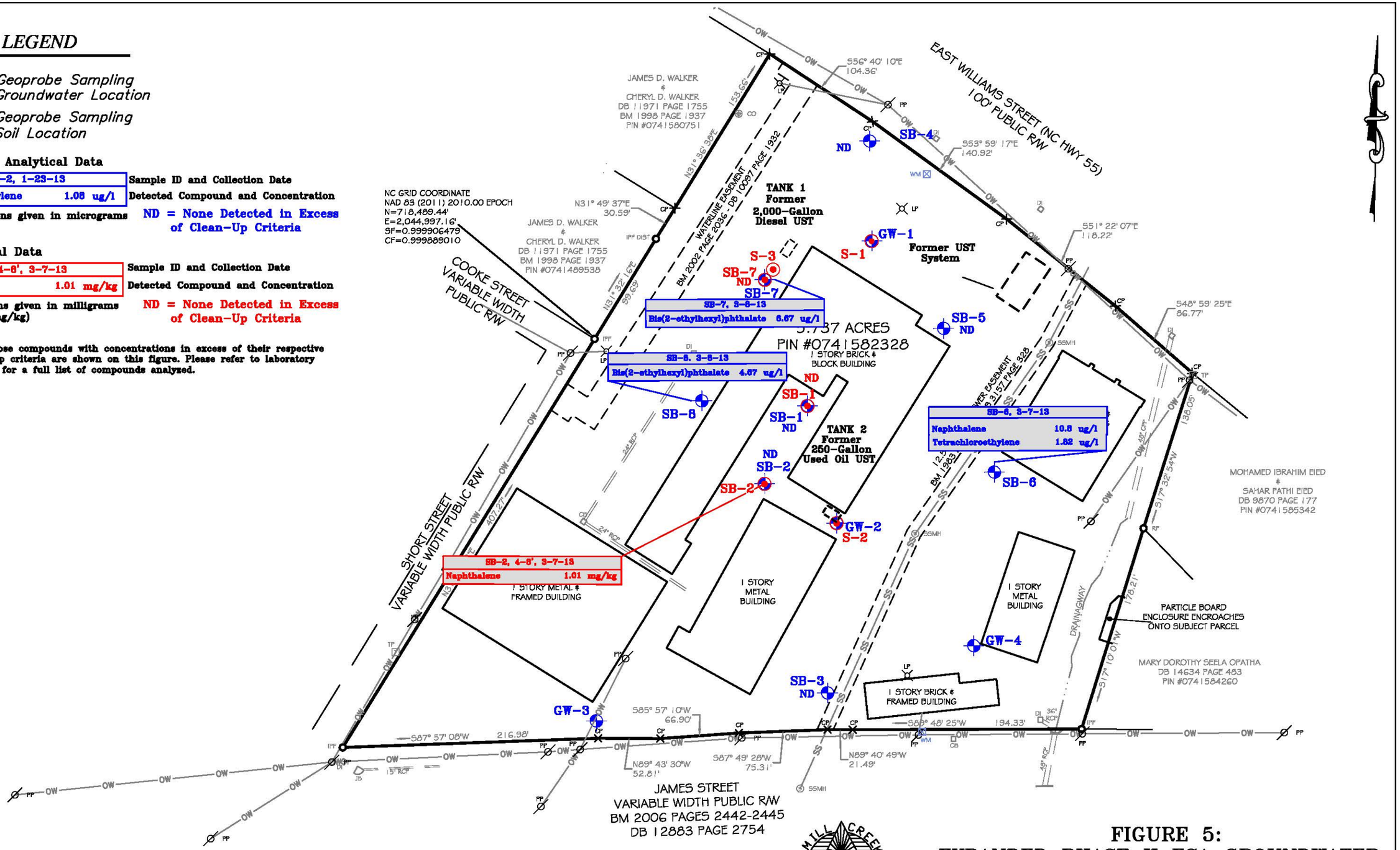

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FIGURE 5: EXPANDED PHASE II ESA GROUNDWATER & SOIL CONCENTRATION MAP

Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

LEGEND

MW-1 Groundwater Monitoring Well Location

MW-4 Soil Sampling Location

Soil Analytical Data

SB-2, 4-8', 3-7-13		
Naphthalene	1.01	mg/kg

Sample ID and Collection Date

Detected Compound and Concentration

Results in bold indicate exceedance of NC GWQS

All concentrations given in milligrams per kilogram (mg/kg)

Note: Only Naphthalene is depicted in soil for this figure. No other constituents were detected above the applicable cleanup criteria. Please refer to the laboratory analytical reports for a full list of compounds analyzed.

Groundwater Analytical Data

MW-3, 6-17-13		
Cis 1,2 Dichloroethene	3.49	ug/l
Tetrachloroethylene	**27.5**	**ug/l**

Sample ID and Collection Date

Detected Compound and Concentration

Results in bold indicate exceedance of NC GWQS

All concentrations given in micrograms per liter (ug/l)

Note: Only Tetrachloroethylene is depicted in groundwater for this figure. No other constituents were detected above the applicable cleanup criteria. Please refer to the laboratory analytical reports for a full list of compounds analyzed.

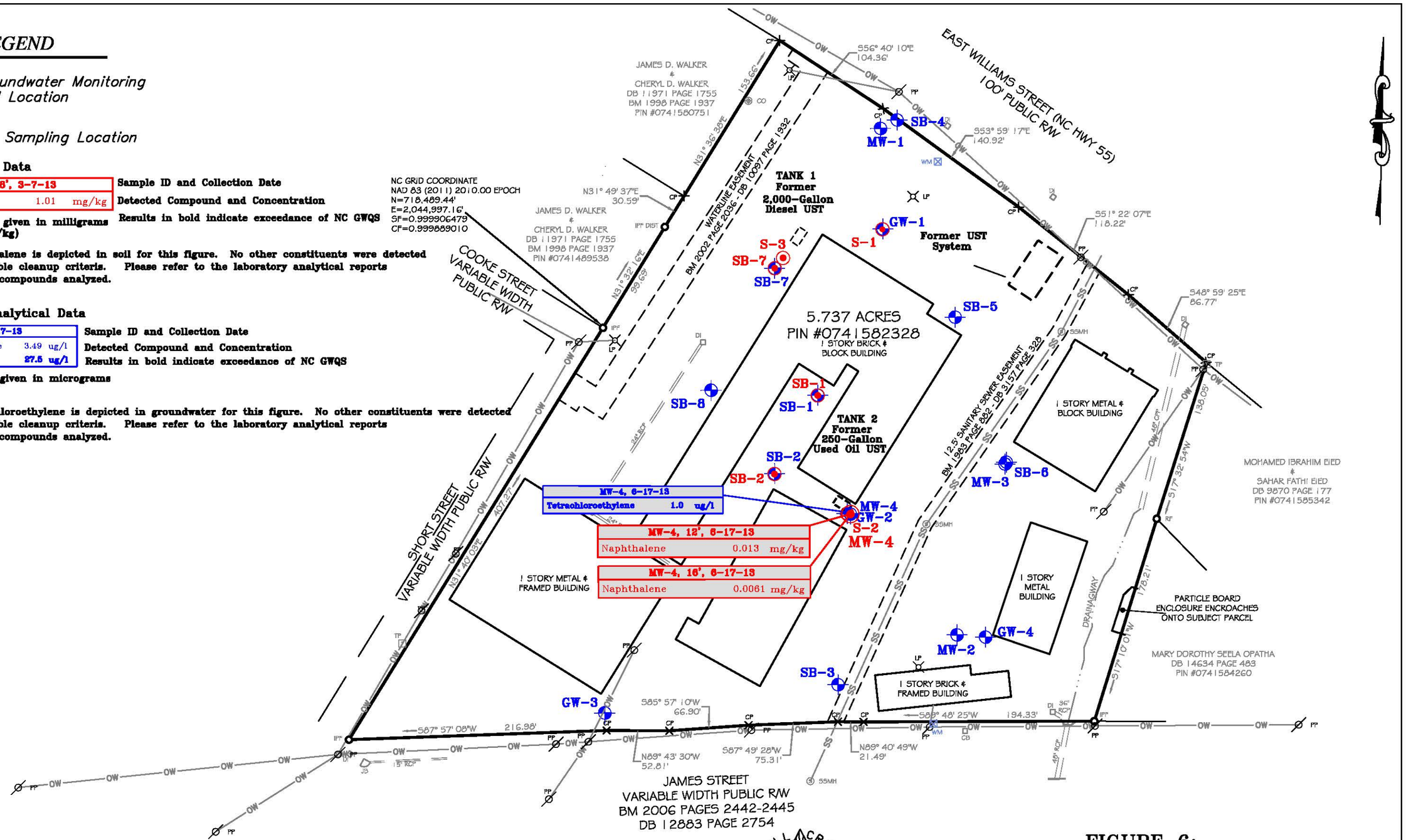

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FIGURE 6: LIMITED SITE ASSESSMENT GROUNDWATER & SOIL CONCENTRATION MAP

Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

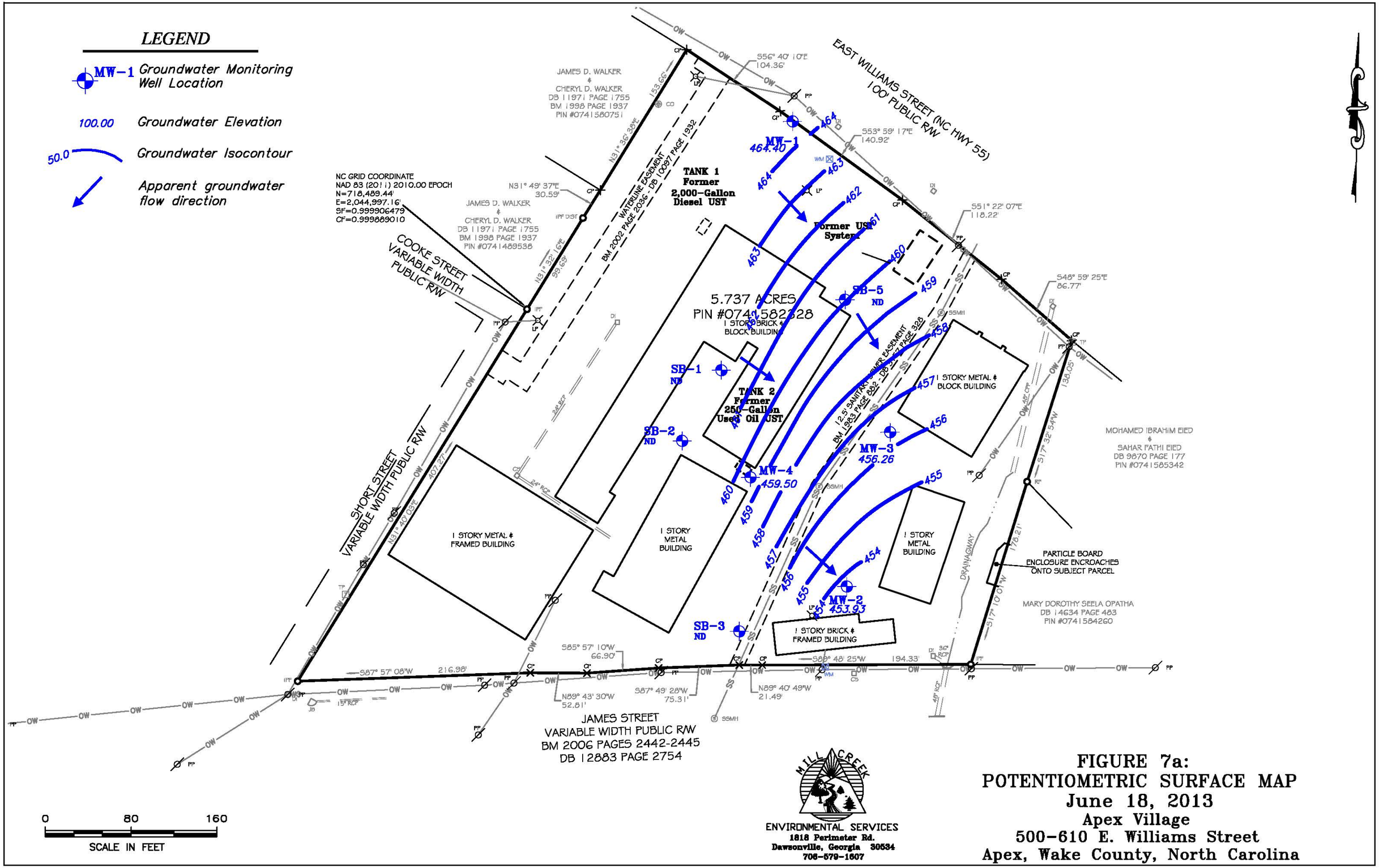

FIGURE 7a:
POTENTIOMETRIC SURFACE MAP
June 18, 2013
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

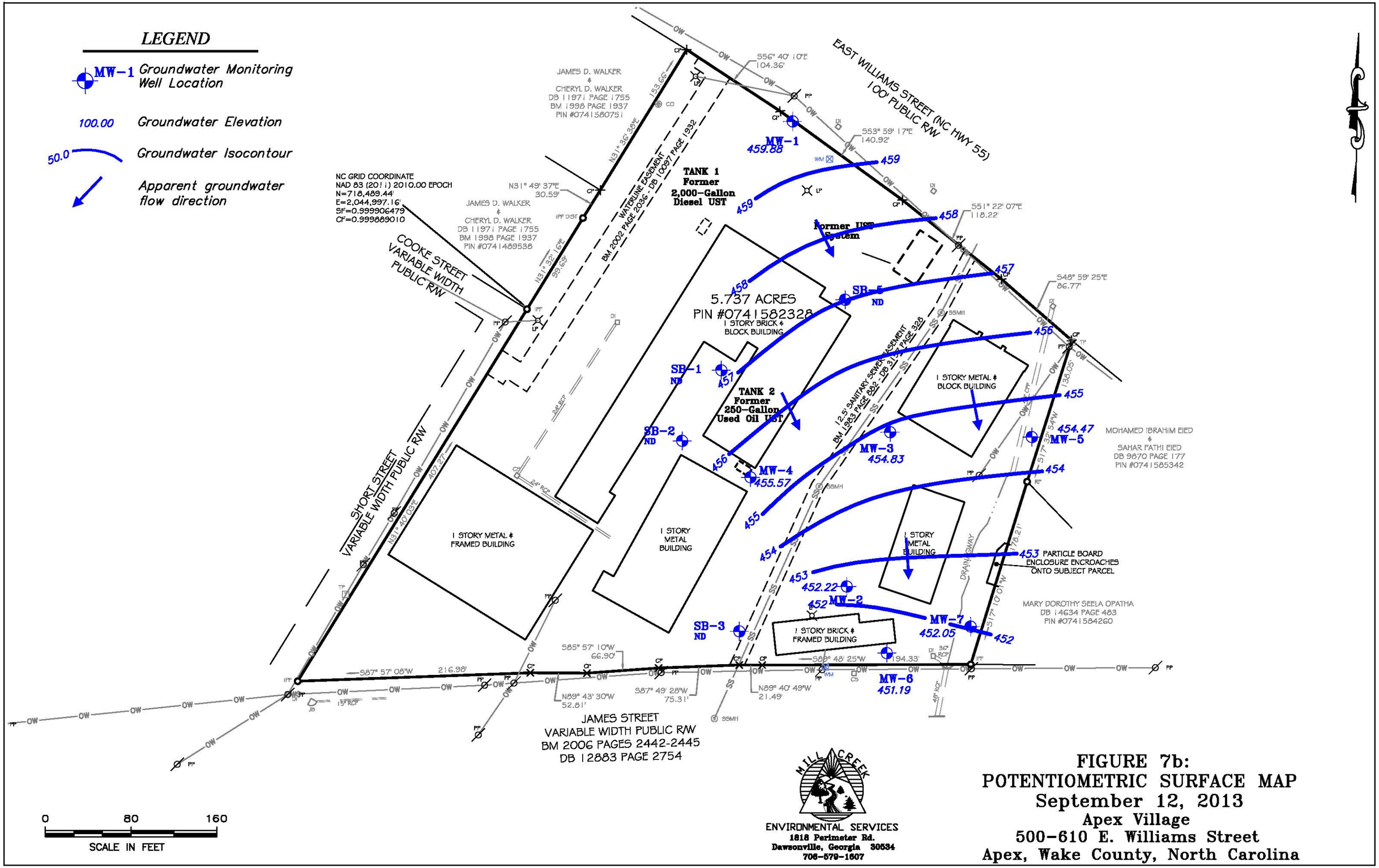

FIGURE 7b:
POTENTIOMETRIC SURFACE MAP
September 12, 2013
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

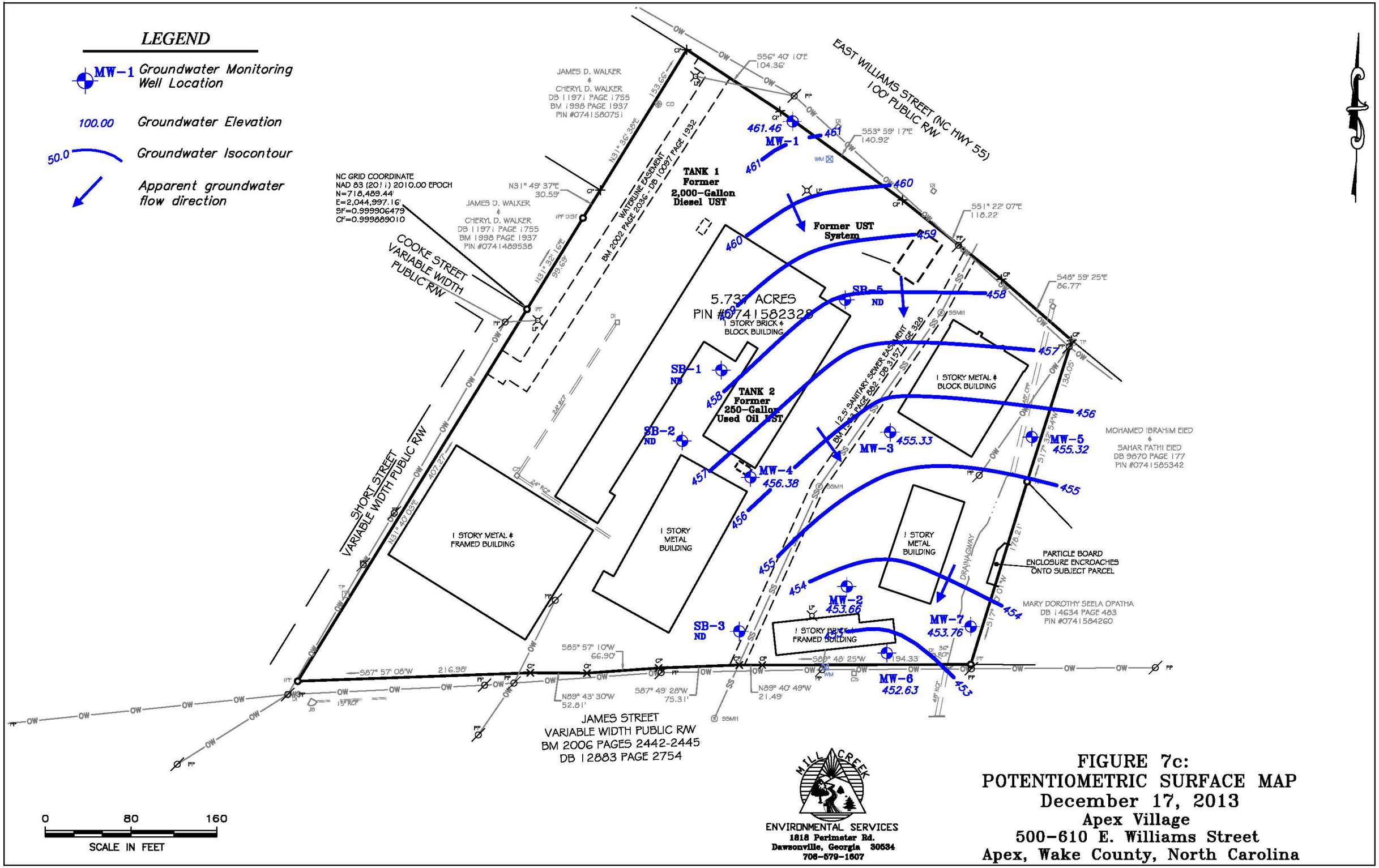

FIGURE 7c:
POTENTIOMETRIC SURFACE MAP
December 17, 2013
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

LEGEND

MW-1 Groundwater Monitoring Well Location

Groundwater Analytical Data

MW-3, 6-17-13	
Cis 1,2 Dichloroethene	3.49 ug/l
Tetrachloroethylene	**27.5 ug/l**

Sample ID and Collection Date
Detected Compound and Concentration
Results in bold indicate exceedance of NC GWQS

All concentrations given in micrograms per liter (ug/l)

ND = None Detected

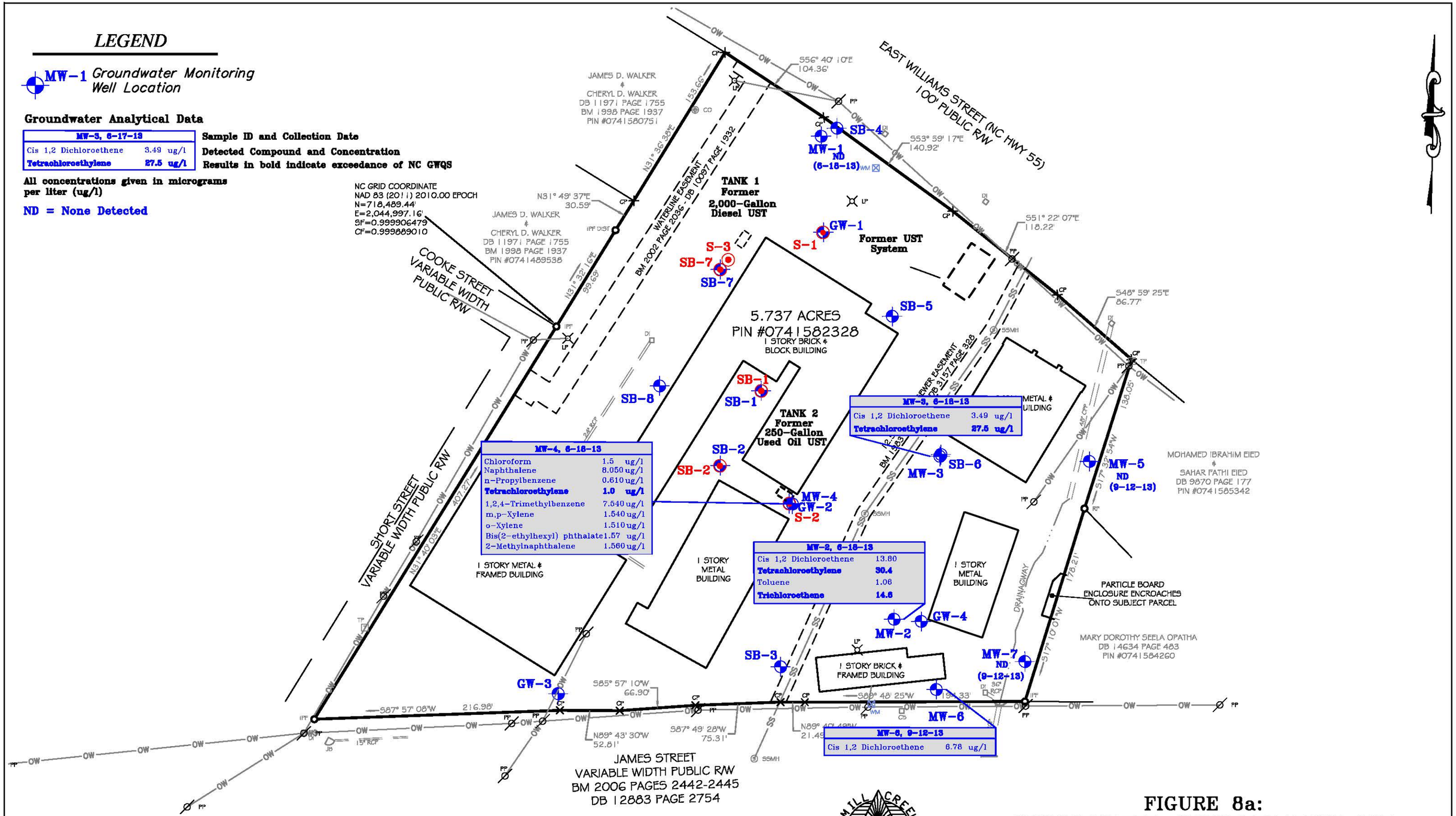

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FIGURE 8a:
GROUNDWATER CONCENTRATION MAP
June 18 & September 12, 2013
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

LEGEND

MW-1 Groundwater Monitoring Well Location

SW-1 Surface Water Monitoring Location

Groundwater Analytical Data

MW-3, 6-17-13		
Cis 1,2 Dichloroethene	3.49	ug/l
Tetrachloroethylene	**27.5**	**ug/l**

Sample ID and Collection Date
Detected Compound and Concentration
Results in bold indicate exceedance of NC GWQS

All concentrations given in micrograms per liter (ug/l)

ND = None Detected

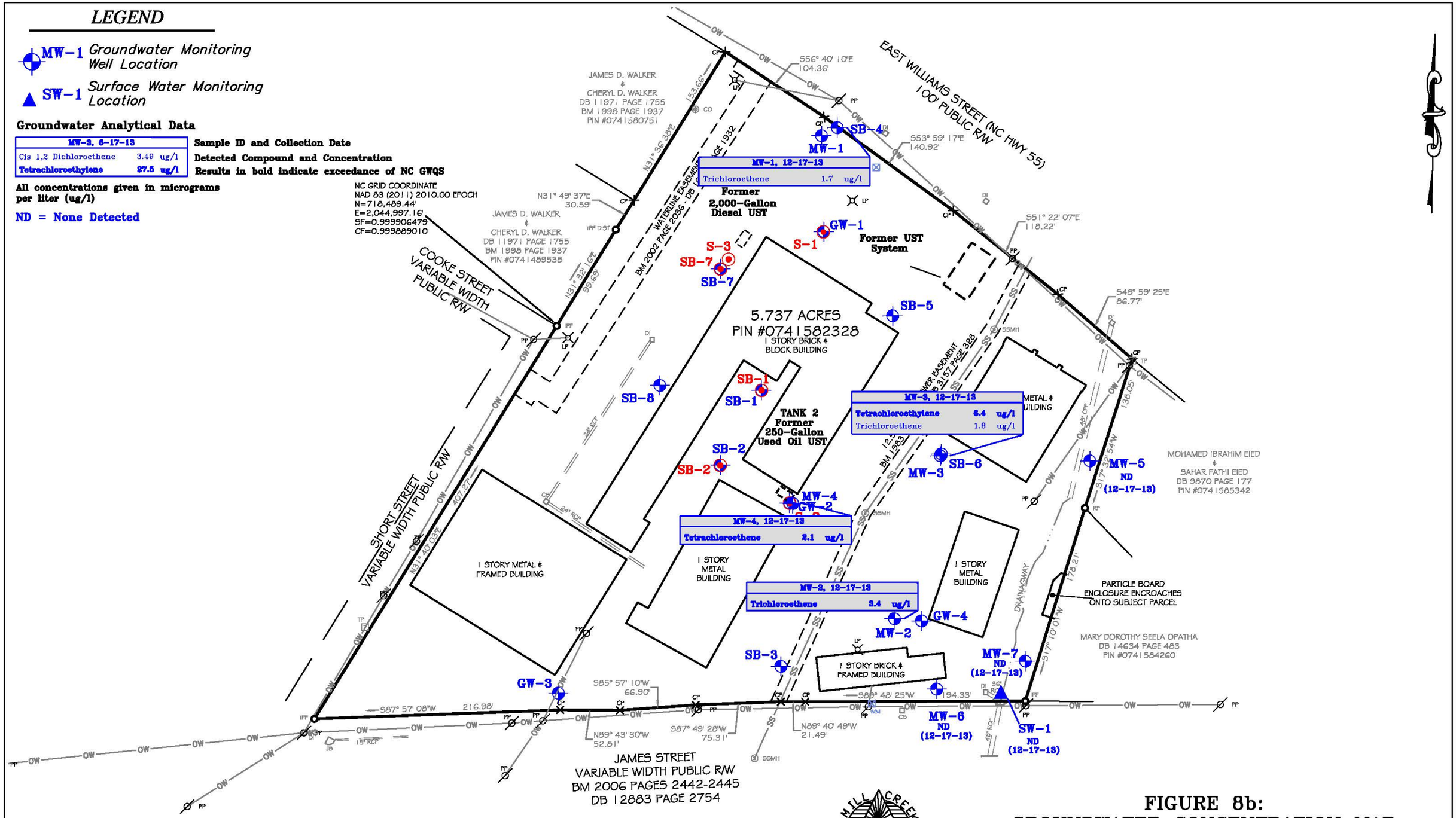

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FIGURE 8b:
GROUNDWATER CONCENTRATION MAP
December 17, 2013
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

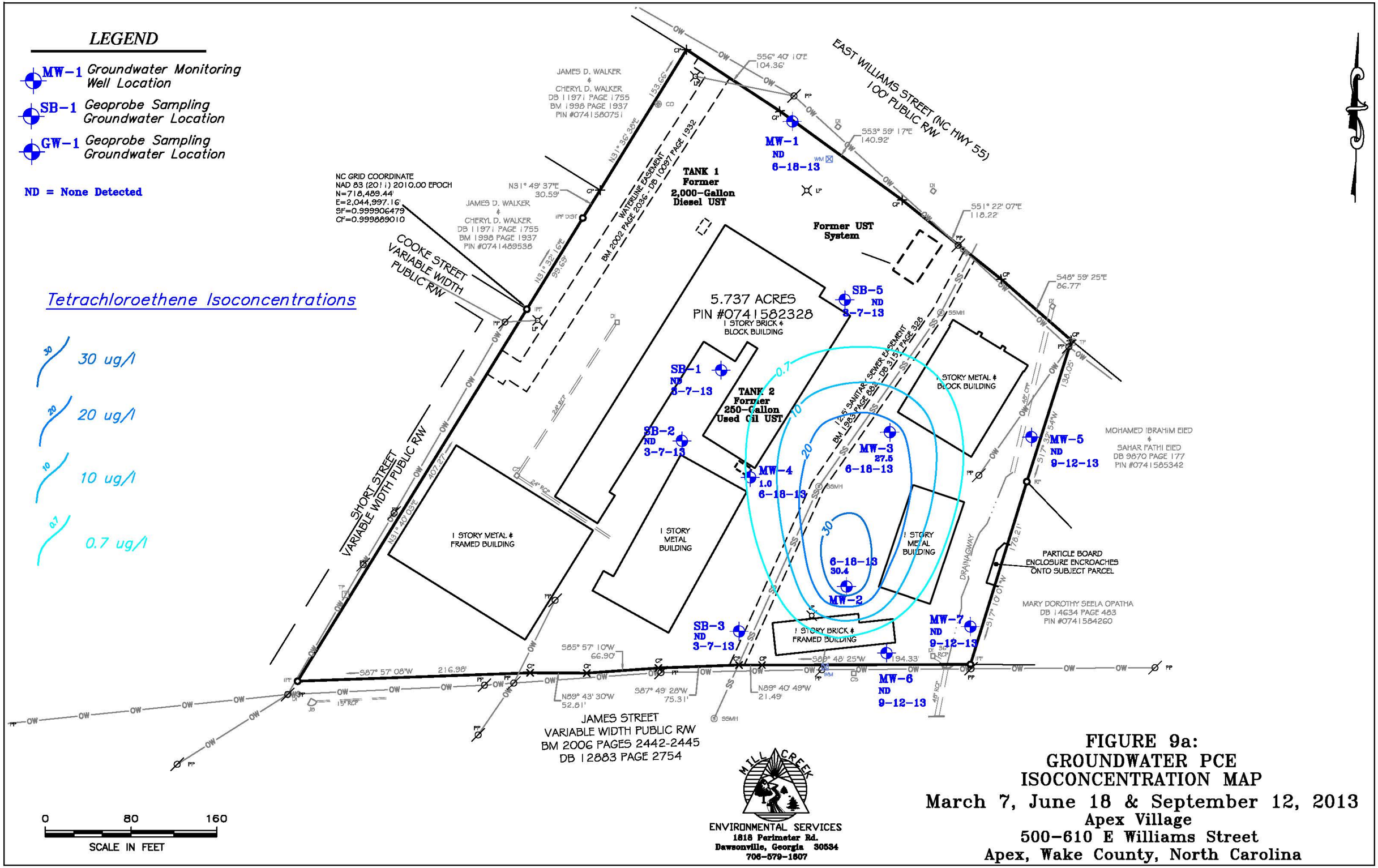


FIGURE 9a:
GROUNDWATER PCE
ISOCONCENTRATION MAP
March 7, June 18 & September 12, 2013
Apex Village
500-610 E Williams Street
Apex, Wake County, North Carolina

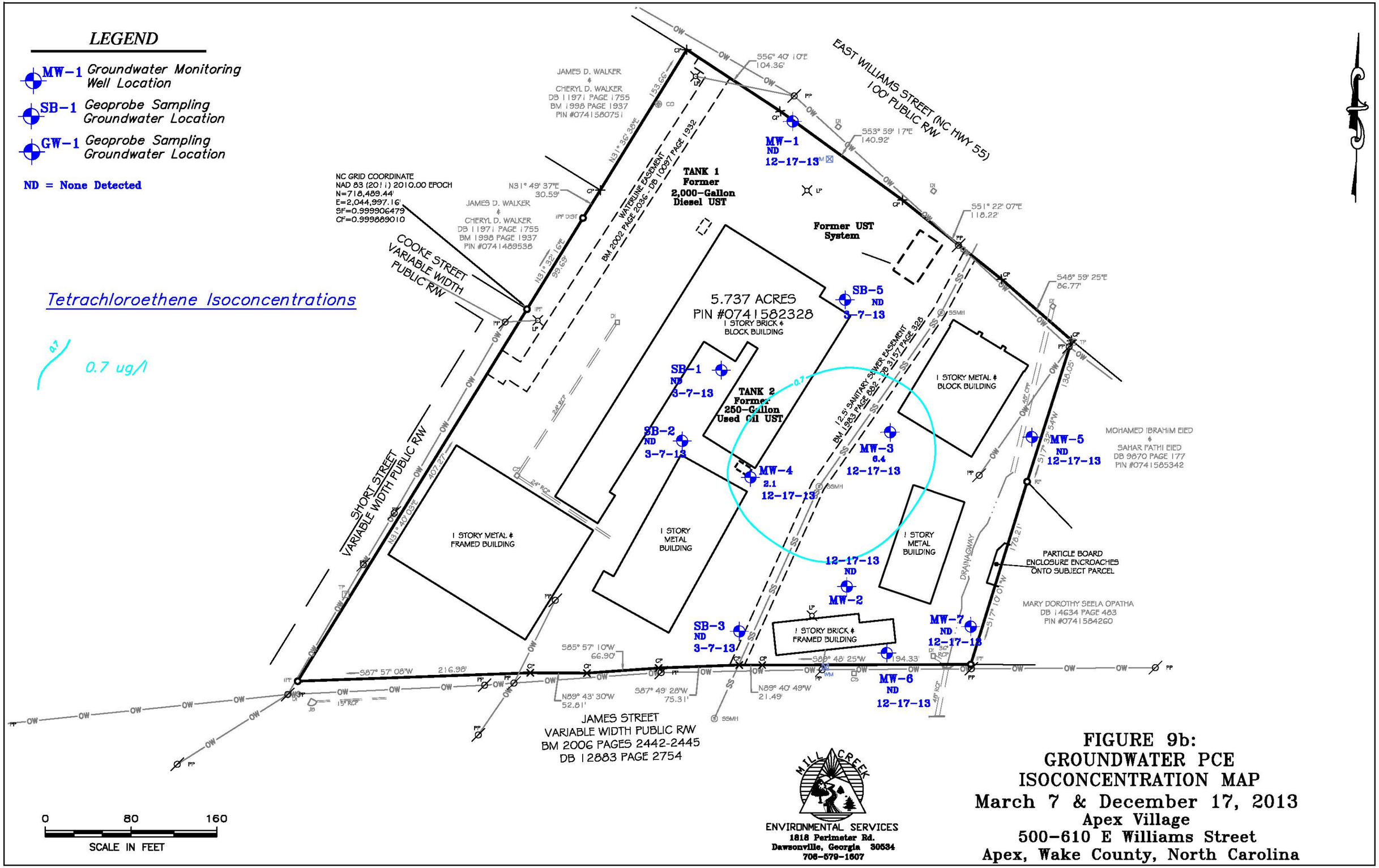


FIGURE 9b:
GROUNDWATER PCE
ISOCONCENTRATION MAP
March 7 & December 17, 2013
Apex Village
500-610 E Williams Street
Apex, Wake County, North Carolina

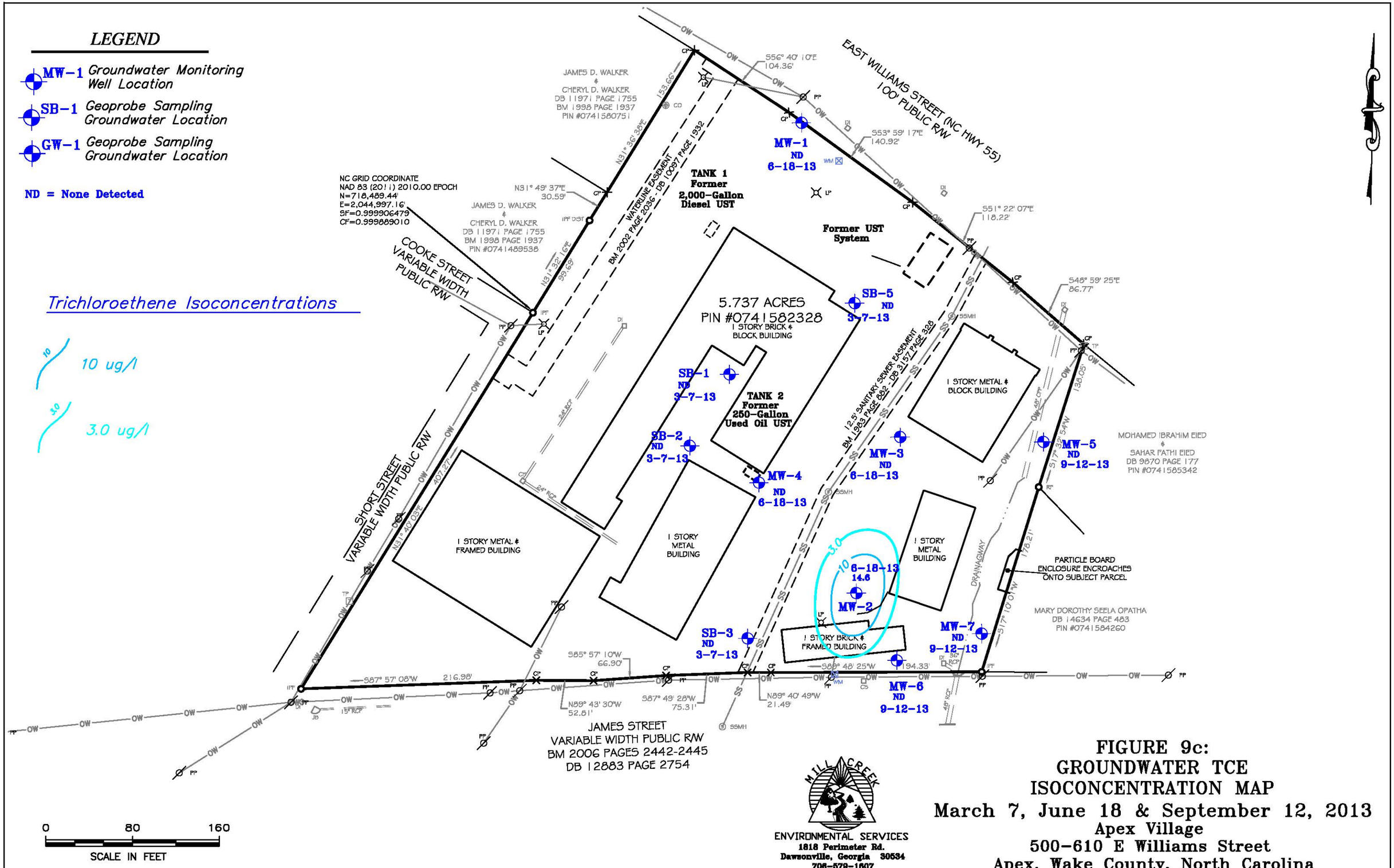


FIGURE 9c:
GROUNDWATER TCE ISOCONCENTRATION MAP
March 7, June 18 & September 12, 2013
Apex Village
500-610 E Williams Street
Apex, Wake County, North Carolina

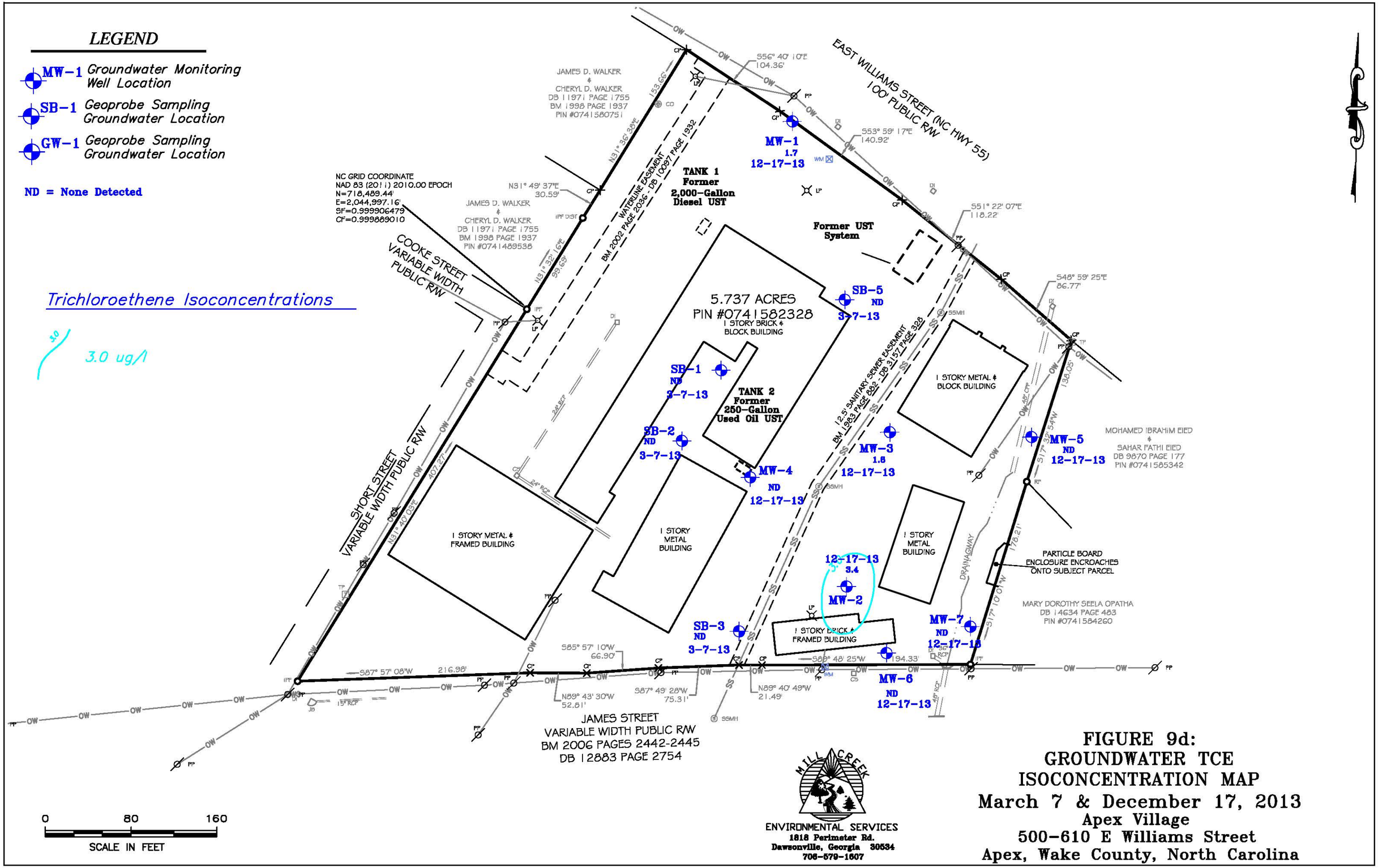


FIGURE 9d:
GROUNDWATER TCE
ISOCONCENTRATION MAP
March 7 & December 17, 2013
Apex Village
500-610 E Williams Street
Apex, Wake County, North Carolina

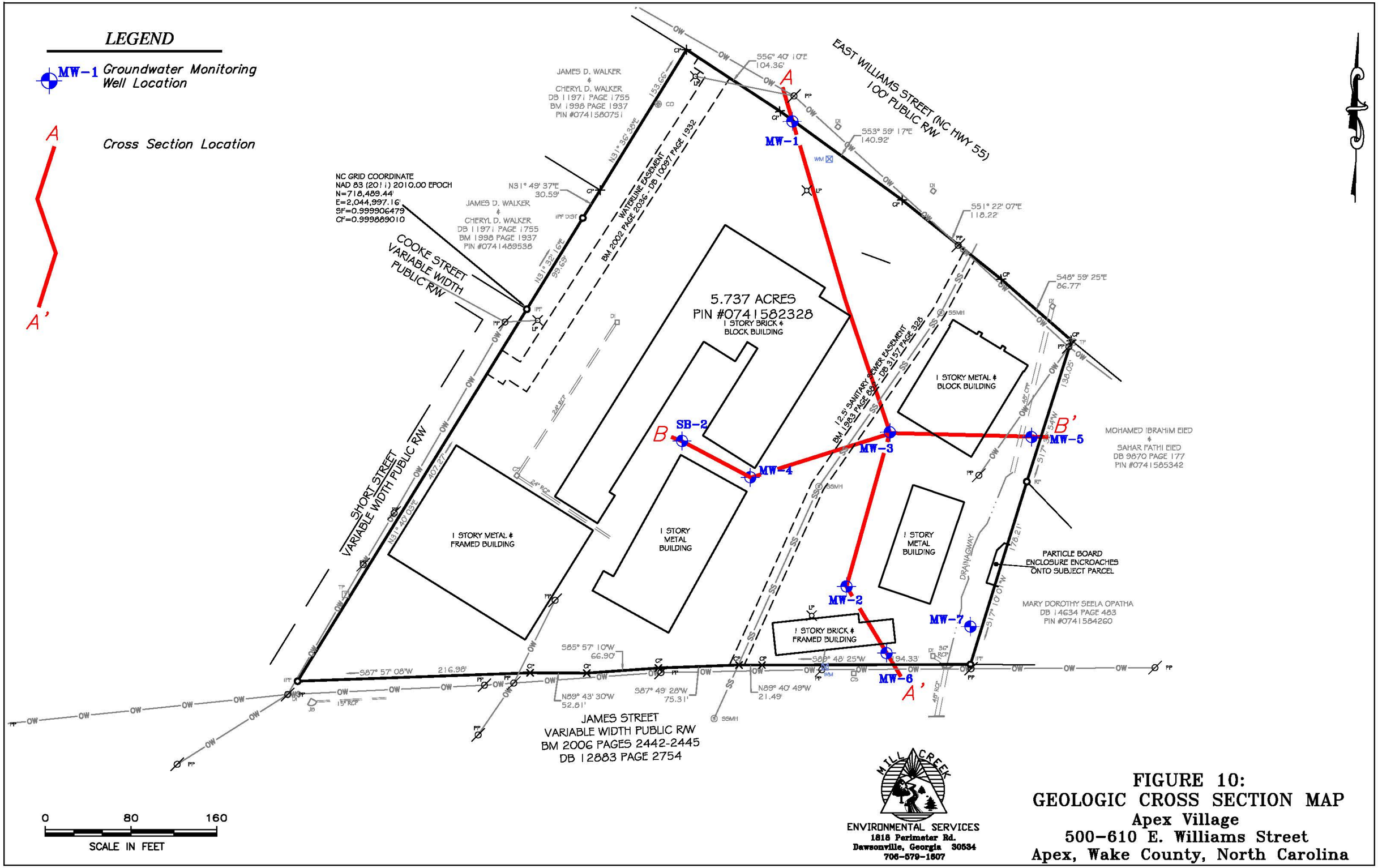


FIGURE 10:
GEOLOGIC CROSS SECTION MAP
Apex Village
500-610 E. Williams Street
Apex, Wake County, North Carolina

CROSS SECTION A–A'

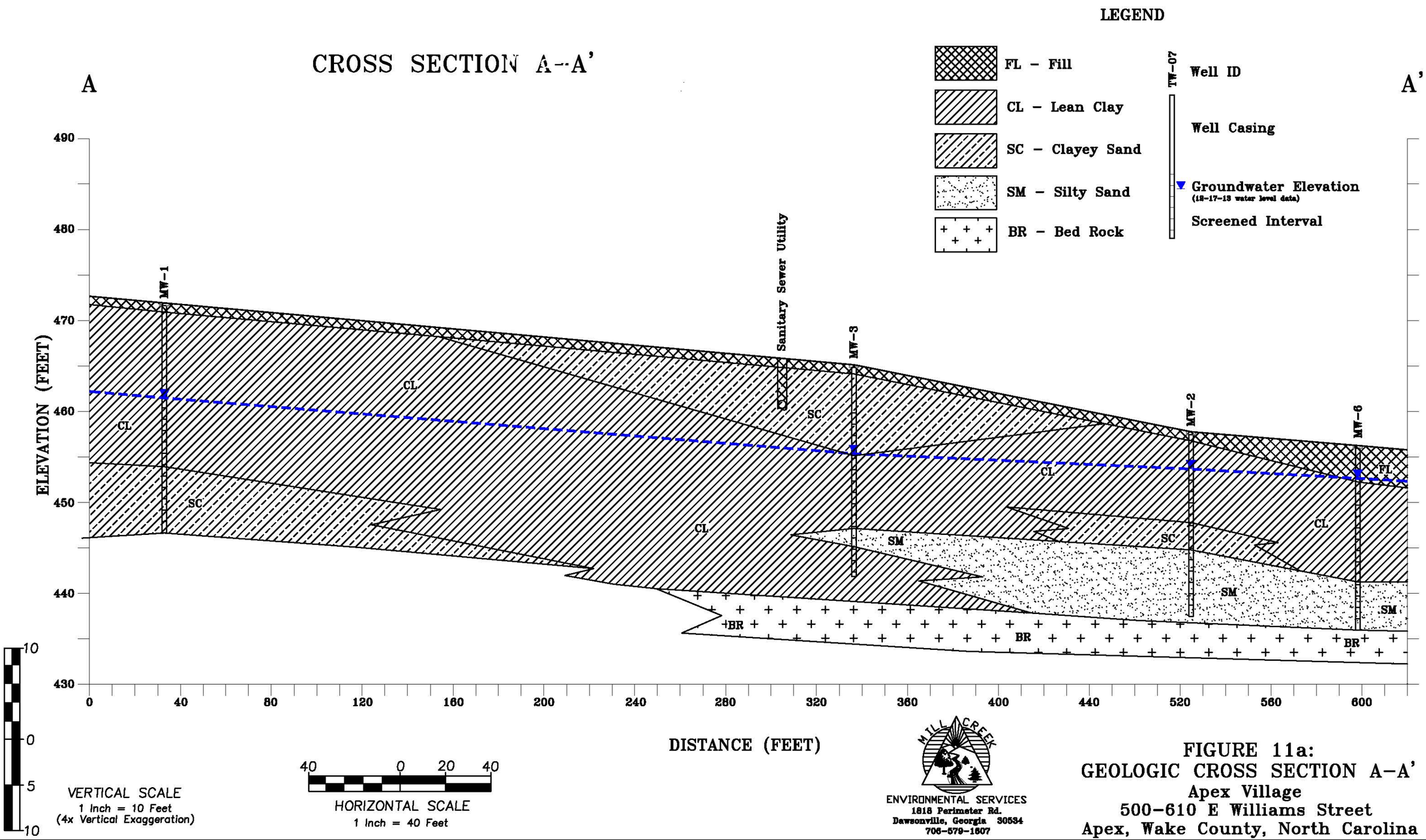
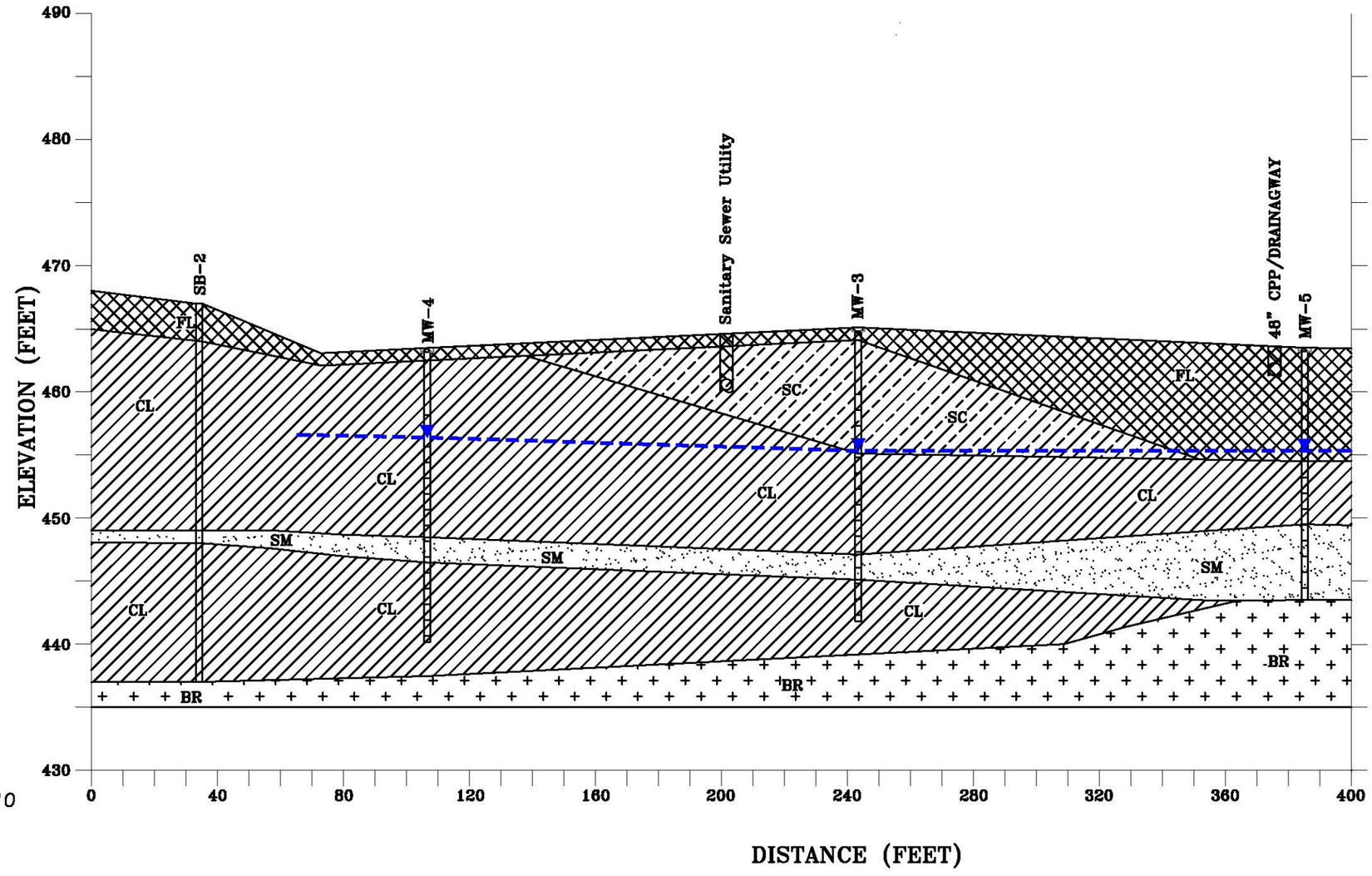


FIGURE 11a:
GEOLOGIC CROSS SECTION A–A'
Apex Village
500–610 E Williams Street
Apex, Wake County, North Carolina

CROSS SECTION B–B'



LEGEND

- FL – Fill
- CL – Lean Clay
- SC – Clayey Sand
- SM – Silty Sand
- BR – Bed Rock

TW-07 Well ID

Well Casing

Groundwater Elevation
(12-17-13 water level data)

Screened Interval

VERTICAL SCALE
1 Inch = 10 Feet
(4x Vertical Exaggeration)

10 0 5 10

40 0 20 40

HORIZONTAL SCALE
1 Inch = 40 Feet

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FIGURE 11b:
GEOLOGIC CROSS SECTION B–B'
Apex Village
500–610 E. Williams Street
Apex, Wake County, North Carolina

TABLES

TABLE 1: SOIL ANAYTICAL RESULTS

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501
North Carolina IHSB Site ID: NONCD0002946

Sample ID	Date Collected	Depth	Acetone	sec-Butlybenzene	Isopropylbenzene	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	o, m, p Xylenes	C-9 thru C-22 Aromatics	Chromium	Lead
Site Sampling Results														
S-1	1/23/2013	6'	0.00833	ND	ND	NS	ND	ND	ND	ND	ND	NS	NS	NS
S-2	1/23/2013	5'	0.0483	0.00119	0.00212	NS	0.00321	0.00143	0.00595	ND	ND	NS	NS	NS
S-3	1/23/2013	7'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS
SB-1, 0-4'	3/7/2013	0-4'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS
SB-2, 4-8'	3/7/2013	4-8'	ND	ND	ND	0.645	**1.01**	ND	ND	ND	ND	NS	NS	NS
SB-7, 4-8'	3/8/2013	4-8'	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS
MW-4, 12'	6/17/2013	12'	ND	ND	ND	ND	0.013	0.0012	0.013	ND	0.00215	ND	3.98	7.40
MW-4, 16'	6/17/2013	16'	ND	ND	ND	ND	0.0061	ND	0.0069	0.0015	ND	30.0	3.25	4.91
Regulatory Standards Comparision														
UST Soil to Water MCC			24	3.3	1.7	3.6	0.16	1.7	8.5	8.3	4.6	31	5.4	270
UST Residential SCL			14,000	626	1,564	63	313	626	782	782	3,129	469	47	400
UST Industrial SCL			360,000	16,350	40,880	1,635	8,176	16,350	20,440	20,440	81,760	12,264	1,226	400
IHSB Soil to Water PSRG			24	2.2	1.3	1.6	0.21	1.5	6.7	6.7	5.8	NL	NL	NL
IHSB Residential PSRG			12,000	NA	270	46	3.6	260	12	160	130	NL	NL	NL
IHSB Industrial PSRG			100,000	NA	270	370	18	260	52	180	260	NL	NL	NL

NOTES:
Only those constituents that were detected above the laboratory reporting limits are presented in this table.
All results are reported in units of milligrams per kilogram (mg/kg)
Bold and Shaded = results indicate exceedance of the most stringent criteria.

UST = NC DENR Underground Storage Tank Section
MCC = Maximum Contaminant Concentration
SCL = Soil Clean-Up Level
IHSB = NCDENR Inactive Hazardsous Sites Branch
PSRG = Preliminary Soil Remediation Goal
ND - Not Detected (i.e. concentration was below the laboratory reporting limit)
NS - Not Sampled for this constituent
NA = Not Available

TABLE 2: GROUNDWATER ANAYTICAL RESULTS
Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501
North Carolina IHSB Site ID: NONCD0002946

		VOCs												SVOCs						EPHs	VPHs		TICs							
Sample ID	**Collection Date**	**Acetone**	**Chloroform**	**Cis 1,2 Dichloroethene (cis 1,2 DCE)**	**Naphthalene**	**n-Propylbenzene**	**Tetrachloroethene (PCE)**	**Toluene**	**Trichloroethene (TCE)**	**1,2,4-Trimethylbenzene**	**1,3,5-Trimethylbenzene**	**m,p-Xylenes**	**o-Xylene**	**Bis(2-ethylhexyl) phthalate**	**Di-n-butyl phthalate**	**Fluoranthene**	**2-Methylnaphthalene**	**Phenanthrene**	**Pyrene**	**C11-C22 Aromatics**	**C9-C10 Aromatics**	**C9-C12 Aromatics**	**(+)-5-(1-Acetoxy-1-methylethyl)-2 (TIC)**	**Benzene, (1-methylethyl)- (TIC)**	**Benzene, 1,2,3-trimethyl- (TIC)**	**Benzene, 1,2,4-trimethyl- (TIC)**	**Benzene, 1,3-dimethyl- (TIC)**	**Benzene, 1-ethyl-2,3-dimethyl- (TIC)**	**Benzene, 1-ethyl-2,4-dimethyl- (TIC)**	**Benzene, 1-ethyl-2-methyl- (TIC)**
GW-1	1/23/2013	ND	ND	ND	**8.68**	ND	ND	ND	ND	3.44	1.22	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GW-2	1/23/2013	ND	ND	ND	**8.35**	ND	**1.08**	ND	ND	2.9	ND	0.66	1.39	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GW-3	1/23/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GW-4	1/23/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1	3/7/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-2	3/7/2013	ND	2.05	ND	1.62	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.7	110	24.6	ND	ND	ND	ND
SB-2, 30'	3/7/2013	3.18	0.810	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.24	ND	ND	ND	ND	ND	NS	NS	NS	5.93	ND	ND	ND	ND	ND	ND	ND
SB-3	3/7/2013	ND	4.60	ND	1.66	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	10.1	103	23.5	ND	8.54	ND	ND
SB-4	3/7/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	5.10	51.5	11.5	ND	ND	ND	ND
SB-5	3/7/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	14.4	37.4	46.6	5.10	ND	ND
SB-6	3/7/2013	0.810	ND	ND	**10.8**	ND	**1.82**	ND	ND	ND	ND	ND	ND	ND	ND	5.22	3.28	3.45	3.27	NS	NS	NS	ND	19.2	100	313	ND	ND	34.0	ND
SB-7	3/8/2013	NS	NS	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.67**	2.51	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.03	ND	ND	ND	ND	4.08
SB-8	3/8/2013	1.7800	0.84	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	**4.67**	ND	ND	ND	ND	ND	NS	NS	NS	ND	ND	12.50	ND	ND	ND	ND	ND
MW-1	6/18/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	ND	ND	ND	ND	ND	ND	ND	1.7	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	6/18/2013	ND	ND	13.80	ND	ND	**30.4**	1.06	**14.6**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	ND	ND	ND	ND	ND	ND	ND	**3.4**	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	6/18/2013	ND	ND	3.49	ND	ND	**27.5**	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	ND	ND	ND	ND	ND	**6.4**	ND	1.8	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	6/18/2013	ND	1.50	ND	**8.05**	0.610	**0.98**	ND	ND	7.54	ND	1.54	1.51	1.57	ND	ND	1.56	ND	ND	120	20	50	ND	ND	ND	ND	ND	ND	ND	ND
	12/17/2013	ND	ND	ND	ND	ND	**2.1**	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	9/12/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	9/12/2013	ND	ND	6.78	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-7	9/12/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NC GWQS		**6,000**	**70**	**70**	**6**	**70**	**0.7**	**600**	**3**	**400**	**400**	**500**	**500**	**3**	**NL**	**300**	**30**	**200**	**200**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**400**	**NL**	**NL**	**500**	**NL**
NC GCL		**6,000,000**	**70,000**	**70,000**	**6,000**	**30,000**	**700**	**260,000**	**3,000**	**28,500**	**28,500**	**85,500**	**85,500**	**170**	**NL**	**300**	**12,500**	**410**	**200**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**28,500**	**NL**	**NL**	**85,500**	**NL**

NOTES:
Only those constituents that were detected above the laboratory reporting limits are presented in this table.
All results are reported in units of micrograms per liter
Bold and Shaded - results indicate exceedance of the NC GWQS
NC GWQS - North Carolina Groundwater Quality Standards (NCAC 2L .0202)
NC GCL - North Carolina Gross Contamination Level
ND - Not Detected (i.e. concentration was below the laboratory reporting limit)
NL - Not Listed
NS - Not Sampled for this constituent

VOCs - Volatile Organic Compounds
SVOCs - Semi-Volatile Organic Compounds
EPHs - Extractable Petroleum Hydrocarbons
VPHs - Volatile Petroleum Hydrocarbons
TICs - Tentatively Identified Compounds

TABLE 2: GROUNDWATER ANAYTICAL RESULTS
Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501
North Carolina IHSB Site ID: NONCD0002946

		TICs																										
Sample ID	**Collection Date**	**Benzene, 1-ethyl-3-methyl- (TIC)**	**Benzene, 1-ethyl-4-methyl- (TIC)**	**Benzene, 1-methyl-2-(1-methylethyl (TIC)**	**Benzene, 1-methyl-3-(1-methylethyl (TIC)**	**Benzene, 1-methyl-3-propyl- (TIC)**	**Benzene, 2-ethenyl-1,4-dimethyl- (TIC)**	**Benzene, 2-ethyl-1,4-dimethyl- (TIC)**	**Benzene, cyclopropyl- (TIC)**	**Benzene, propyl- (TIC)**	**Cyclobutane, methyl- (TIC)**	**Cyclopentasiloxane, decamethyl- (TIC)**	**Cyclotetrasiloxane, octamethyl- (TIC)**	**Cyclotrisiloxane, hexamethyl- (TIC)**	**13-Docosenamide, (Z)- (TIC)**	**Diisooctyl adipate (TIC)**	**Hexadecane, 7,9-dimethyl- (TIC)**	**n-Hexadecanoic acid (TIC)**	**Indane (TIC)**	**2,4-Nonadiyne (TIC)**	**9-Octadecenamide, (Z)- (TIC)**	**Octadecanoic Acid (TIC)**	**2,6-Octadiene, 1-bromo-3,7-dimethy (TIC)**	**Octane (TIC)**	**Oxirane, 2-methyl-2-phenyl- (TIC)**	**3-Phenylbut-1-ene (Tic)**	**Squalene (TIC)**	**trans-13-Docosenamide (TIC)**	**unknown (TIC)**
GW-1	1/23/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GW-2	1/23/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GW-3	1/23/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
GW-4	1/23/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
SB-1	3/7/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	11.6	ND	6.93	NS	NS	NS	ND	ND	4.47	NS	6.68	ND	ND	NS	NS	ND	8.80
SB-2	3/7/2013	ND	ND	ND	16.2	12.6	ND	ND	8.93	33.2	ND	ND	8.54	ND	13.3	NS	NS	NS	ND	ND	ND	NS	ND	8.45	ND	NS	NS	ND	ND
SB-2, 30'	3/7/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	10.1	ND	6	ND	NS	NS	NS	ND	ND	14.4	NS	ND	ND	ND	NS	NS	ND	ND
SB-3	3/7/2013	ND	ND	15.2	ND	11.9	ND	ND	ND	29.2	ND	ND	18.8	ND	ND	NS	NS	NS	ND	ND	9.13	NS	ND	ND	ND	NS	NS	ND	ND
SB-4	3/7/2013	ND	21.1	ND	ND	6.05	6.90	ND	ND	15.3	ND	ND	11.0	5.15	ND	NS	NS	NS	ND	ND	ND	NS	ND	ND	ND	NS	NS	7.84	ND
SB-5	3/7/2013	ND	ND	ND	ND	4.22	ND	ND	ND	11.4	ND	6.18	134	39.0	ND	NS	NS	NS	ND	ND	ND	NS	ND	ND	ND	NS	NS	ND	6.18
SB-6	3/7/2013	ND	ND	ND	55.8	46.0	13.1	ND	ND	65.9	ND	ND	ND	ND	ND	NS	NS	NS	22.0	ND	ND	NS	ND	ND	12.2	NS	NS	ND	ND
SB-7	3/8/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	17.7	ND	4.140	ND	21.8	NS	NS	NS	ND	ND	17.1	NS	ND	ND	ND	NS	NS	ND	ND
SB-8	3/8/2013	7.740	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	23.6	NS	NS	NS	ND	5.740	15.4	NS	ND	ND	ND	NS	NS	ND	ND
MW-1	6/18/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-2	6/18/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-3	6/18/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-4	6/18/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.22	4.84	64.2	ND	ND	ND	76.4	ND	ND	ND	4.27	5.620	ND	ND
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-5	9/12/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-6	9/12/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
MW-7	9/12/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
	12/17/2013	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS
NC GWQS		**NL**	**NL**	**NL**	**NL**	**600**	**NL**	**500**	**NL**	**70**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**
NC GCL		**NL**	**NL**	**NL**	**NL**	**260,000**	**NL**	**85,500**	**NL**	**30,000**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**

NOTES:
Only those constituents that were detected above the laboratory reporting limits are presented in this table.
All results are reported in units of micrograms per liter
Bold and Shaded = results indicate exceedance of the NC GWQS
NC GWQS - North Carolina Groundwater Quality Standards (NCAC 2L .0202)
NC GCL - North Carolina Gross Contamination Level
ND - Not Detected (i.e. concentration was below the laboratory reporting limit)
NL - Not Listed
NS - Not Sampled for this constituent
TICs - Tentatively Identified Compounds

TABLE 3: GROUNDWATER ELEVATIONS

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501
North Carolina IHSB Site ID #NONCD0002946

Well Number	Date Measured	Ground Surface Elevation (ft/AMSL)	Top of Casing Elevation (ft/AMSL)	Depth of Screened Interval (ft/BGS)	Depth to Water (ft/BTOC)	Groundwater Elevation (ft/AMSL)
MW-1	6/18/2013	471.91	471.61	10-25	7.21	464.40
	9/12/2013	471.91	471.61	10-25	11.73	459.88
	12/17/2013	471.91	471.61	10-25	10.15	461.46
MW-2	6/18/2013	457.75	457.45	5-20	3.52	453.93
	9/12/2013	457.75	457.45	5-20	5.23	452.22
	12/17/2013	457.75	457.45	5-20	3.79	453.66
MW-3	6/18/2013	465.11	464.81	5-23	8.55	456.26
	9/12/2013	465.11	464.81	5-23	9.98	454.83
	12/17/2013	465.11	464.81	5-23	9.48	455.33
MW-4	6/18/2013	463.48	463.18	5-23	3.68	459.50
	9/12/2013	463.48	463.18	5-23	7.61	455.57
	12/17/2013	463.48	463.18	5-23	6.80	456.38
MW-5	9/12/2013	463.50	463.20	10-20	8.73	454.47
	12/17/2013	463.50	463.20	10-20	7.88	455.32
MW-6	9/12/2013	456.23	455.93	5-20	4.74	451.19
	12/17/2013	456.23	455.93	5-20	3.30	452.63
MW-7	9/12/2013	455.36	458.36	2-6	6.31	452.05
	12/17/2013	455.36	458.36	2-6	4.60	453.76

NOTE: NM=Not Measured
UNK =Unknown
ft/BTOC = Feet below top of casing
ft/AMSL = Feet Above Mean Sea Level - measured by NC licensed surveyor
BGS = Below ground surface

TABLE 4: MONITORED NATURAL ATTENUATION PARAMETERS

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501
North Carolina IHSB Site ID #NONCD0002946

Monitoring Well Identification	Date Sampled	Analytical Data									Field Data			
		Ethane (ug/l)	**Ethene (ug/l)**	**Methane (ug/l)**	**Ferrous Iron (mg/l)**	**Nitrate (mg/l)**	**Nitrite (mg/l)**	**Chloride (mg/l)**	**Sulfate (mg/l)**	**Sulfite (mg/l)**	**DO (mg/l)**	**pH (STD units)**	**Temp. (^{o}C)**	**ORP (mV)**
MW-1	12/17/2013	<2	<1	<1	<0.012	**0.84**	<0.097	4.5	<0.22	<2.0	4.14	4.34	**20.94**	NM
MW-2	12/17/2013	<2	<1	12	<0.012	1.5	<0.097	3.5	0.54	<2.0	3.99	4.86	**20.25**	335
MW-3	12/17/2013	<2	<1	9	<0.012	2.1	<0.097	3.7	<0.22	<2.0	4.18	4.72	**21.88**	321
MW-4	12/17/2013	<2	<1	<1	<0.012	2.0	<0.097	8.7	0.57	<2.0	3.05	4.66	**21.12**	399
MW-5	12/17/2013	<2	<1	**8,700**	**41.1**	<0.14	<0.097	**11**	5.6	<2.0	**0.50**	**6.17**	17.99	**-86**
MW-6	12/17/2013	<2	<1	**830**	**24.6**	<0.14	<0.097	**10**	1.3	<2.0	**0.46**	**5.89**	15.56	**-21**
MW-7	12/17/2013	<2	<1	160	0.239	<0.14	<0.097	**11**	**37**	<2.0	1.64	**5.26**	13.00	119
Values Conducive to Anaerobic Biodegradation of Chlorinated Organics[1]		>10	>100	>500	>1	<1	-	>2x background	<20	-	<0.5	5-9	>20	<50

ug/l - micrograms per liter
mg/l - milligrams per liter
TOC - Total Organic Carbon
DO - Dissolved Oxygen
Temp. - Temperature
ORP - Oxidation/Reduction Potential
NM - Not Measured
mV - millivolts
MNA - Monitored Natural Attenuation
[1] - Technical Protocol for Evaluating Natural Attenuation of Chlorinated Solvents in Ground Water, EPA/600/R-98/128, (September 1998)

TABLE 5: AQUIFER TESTING INPUTS AND RESULTS

Apex Village

500-610 East Williams Street

Apex, Wake County, North Carolina 27501

IHSB Site ID: NONCD0002946

Well Number	Unit (Shallow or Bedrock)	Injection or Removal	Casing Radius (feet)	Borehole Radius (feet)	Effective Screen Length (feet)	Assumed Aquifer Thickness (feet)	Estimated Hydraulic Conductivity (K) (cm/sec)	Groundwater Seepage Velocity (ft/year)
MW-3	Shallow	Removal	0.083	0.25	18	20	1.84E-04	2.22E+01
MW-4	Shallow	Removal	0.083	0.25	18	20	8.93E-05	1.08E+01
MW-6	Shallow	Removal	0.083	0.25	15	20	4.63E-04	5.59E+01
						Average	**2.45E-04**	**2.96E+01**

Assumptions:

(1) Assumed Effective Porosity of 0.15

(2) Gradient was calculated based on the apparent gradient across potentiometric contours

(3) Hydraulic conductivity data from slug removal only were used.

A summary of groundwater seepage velocity calculations is included in Appendix N

TABLE 6: REMEDIAL ACTION MONITORING PLAN

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501
North Carolina IHSB Site ID #NONCD0002946

Year	Sampling Schedule	Existing Wells								Report Submittal
		MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	SW-1	
Year 1	December 2014	X	X	X	X	X	X	X	X	March 2015
Year 2	December 2015	X	X	X	X	X	X	X	X	March 2016
Year 3	December 2016	X	X	X	X	X	X	X	X	March 2017
Year 4	December 2017	X	X	X	X	X	X	X	X	March 2018
Year 5	December 2018	X	X	X	X	X	X	X	X	March 2019

NOTES:

All samples collected will be analyzed for VOCs, MNA Parameters[1], and Field Parameters [2].

[1] sulfate/sulfite, nitrate/nitrite, chloride, total iron, ferrous iron, total organic carbon, methane, ethane, ethene.

[2] dissolved oxygen, oxidation/reduction potential, temperature, conductivity, turbidity, pH.

APPENDIX A

ENVIRONMENTALLY SENSITIVE AREAS

NC Department of Environment and Natural Resources

Natural Heritage Program - NHP Map Viewer

Natural Heritage Program Map Viewer

(Data last updated on October 16, 2013)

Help and Definitions (http://portal.ncdenr.org/c/document_library/get_file?uuid=3da6baa6-9263-4e0a-80f5-78d62a3b4741&groupId=61587)

Please Note: Search results can locate Significant Natural Heritage Areas or Managed Areas. Element Occurrence searches are no longer available using this map viewer.

548 East Williams Street, Apex, NC 27502, USA

35.7244212 -78.8471131

Search Radius: 2 miles

Search Clear Fields and Reset Map

Enter an Address

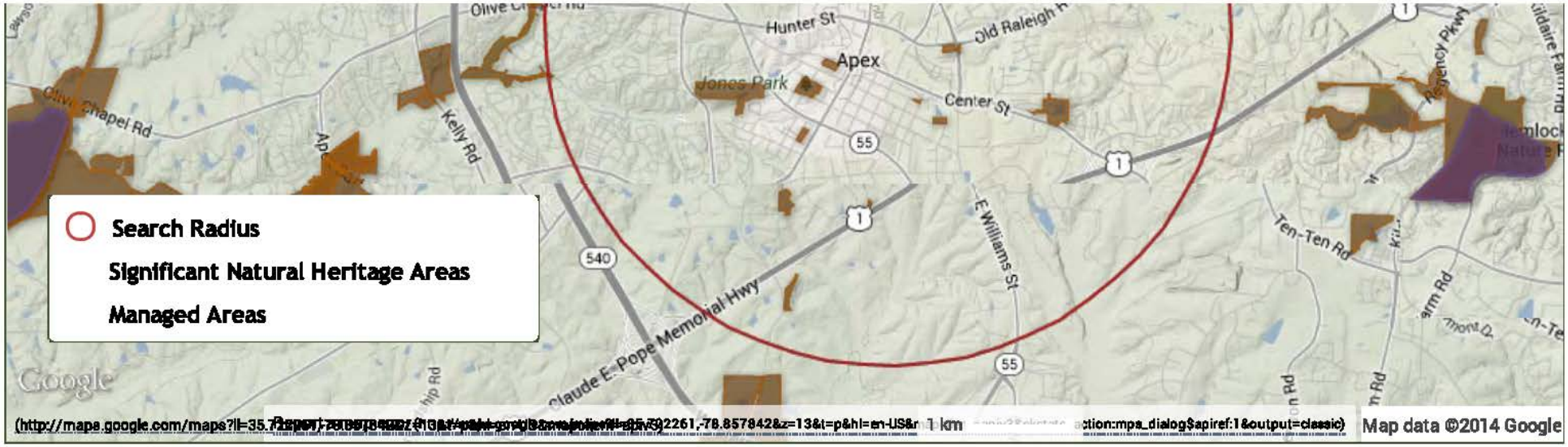
OR

Latitude and Longitude

(decimal degrees)

OR

just click a map location below...



Hide Legend

SHOW RESULTS FOR: Significant Natural Heritage Areas Managed Areas

Show 25 entries per page

Download Results

Filter search results:

Managed Area Name	Acres	Owner	Owner Type
Wake County Open Space	8.88	Wake County: multiple local government	Local Government
Wake County Open Space	22.86	Wake County: multiple local government	Local Government
Wake County Open Space	0.2	Wake County: multiple local government	Local Government
Wake County Open Space	11.61	Wake County: multiple local government	Local Government
Wake County Open Space	0.23	Wake County: multiple local government	Local Government
Wake County Open Space	4.91	Wake County: multiple local government	Local Government
Wake County Open Space	1.33	Wake County: multiple local government	Local Government
Wake County Open Space	1.36	Wake County: multiple local government	Local Government
Wake County Open Space	0.19	Wake County: multiple local government	Local Government

Wake County Open Space	4.88	Wake County: multiple local government	Local Government
Wake County Open Space	1.5	Wake County: multiple local government	Local Government
Wake County Open Space	17.62	Wake County: multiple local government	Local Government
Wake County Open Space	0.12	Wake County: multiple local government	Local Government
Wake County Open Space	0.09	Wake County: multiple local government	Local Government
Wake County Open Space	22.04	Wake County: multiple local government	Local Government
Wake County Open Space	1.57	Wake County: multiple local government	Local Government
Wake County Open Space	6.28	Wake County: multiple local government	Local Government
Wake County Open Space	2.65	Wake County: multiple local government	Local Government
Wake County Open Space	1.96	Wake County: multiple local government	Local Government

Showing 1 to 19 of 19 entries

First Previous 1 Next Last

The Natural Heritage Program Map Viewer provides information on significant natural heritage areas and managed areas occurring within a 1- to 5-mile radius of a user-selected location. Below are brief notes on use of the map viewer. For more information on use of the map viewer or for an explanation of the values returned by the search, see the "Help and Definitions" link above.

- Results are displayed for significant natural heritage areas by default. To display results for managed areas, click the appropriate radio button in the "SHOW RESULTS FOR" section above the results table.
- Clicking on a column name in the results table will sort all entries in that column; clicking a second time on the column name will reverse the sort.
- The results can be further refined by entering a text string in the "Filter search results" field. Entries not containing the text string will be removed from the table of results.
- Clicking the "Download Results' button will give you the option of saving the results table to a comma-separated-values file. This type of file can be opened in most spreadsheet programs, including Microsoft Excel.
- If you have any questions regarding the data contained on the map viewer, contact Natural Heritage Program staff (http://portal.ncdenr.org/web/nhp/contact) . For

technical issues regarding the application, contact the Conservation Information Manager

Use of North Carolina Natural Heritage Program data should not be substituted for actual field surveys, particularly if the project area contains suitable habitat for rare species. If a database search lists no records for a project area, it does not necessarily mean that they are not present. The area may not have been surveyed by biologists, or the data may not have been reported to NC Natural Heritage Program.

Information obtained from the North Carolina Natural Heritage Program Map Viewer should be cited as follows: North Carolina Natural Heritage Program Online Map Viewer. [search date]. Department of Environment and Natural Resources, Office of Conservation, Planning, and Community Affairs, Raleigh, NC. Available at: www.ncnhp.org.

(http://portal.ncdenr.org/web/nhp)North Carolina Natural Heritage Program • 1601 Mail Service Center • Raleigh, NC 27699-1601

N.C. Department of Environment and Natural Resources
1601 Mail Service Center, Raleigh, NC 27699-1601
Headquarters (Environment and Natural Resources Building): 217 W. Jones St.
Archdale Building: 512 N. Salisbury St.
Toll Free: (877) 623-6748

NC Department of Environment and Natural Resources

Natural Heritage Program - NHP Map Viewer

Natural Heritage Program Map Viewer

(Data last updated on October 16, 2013)

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Please Note: Search results can locate Significant Natural Heritage Areas or Managed Areas. Element Occurrence searches are no longer available using this map viewer.

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35.7244212 -78.8471131

Search Radius: 2 miles

Search Clear Fields and Reset Map

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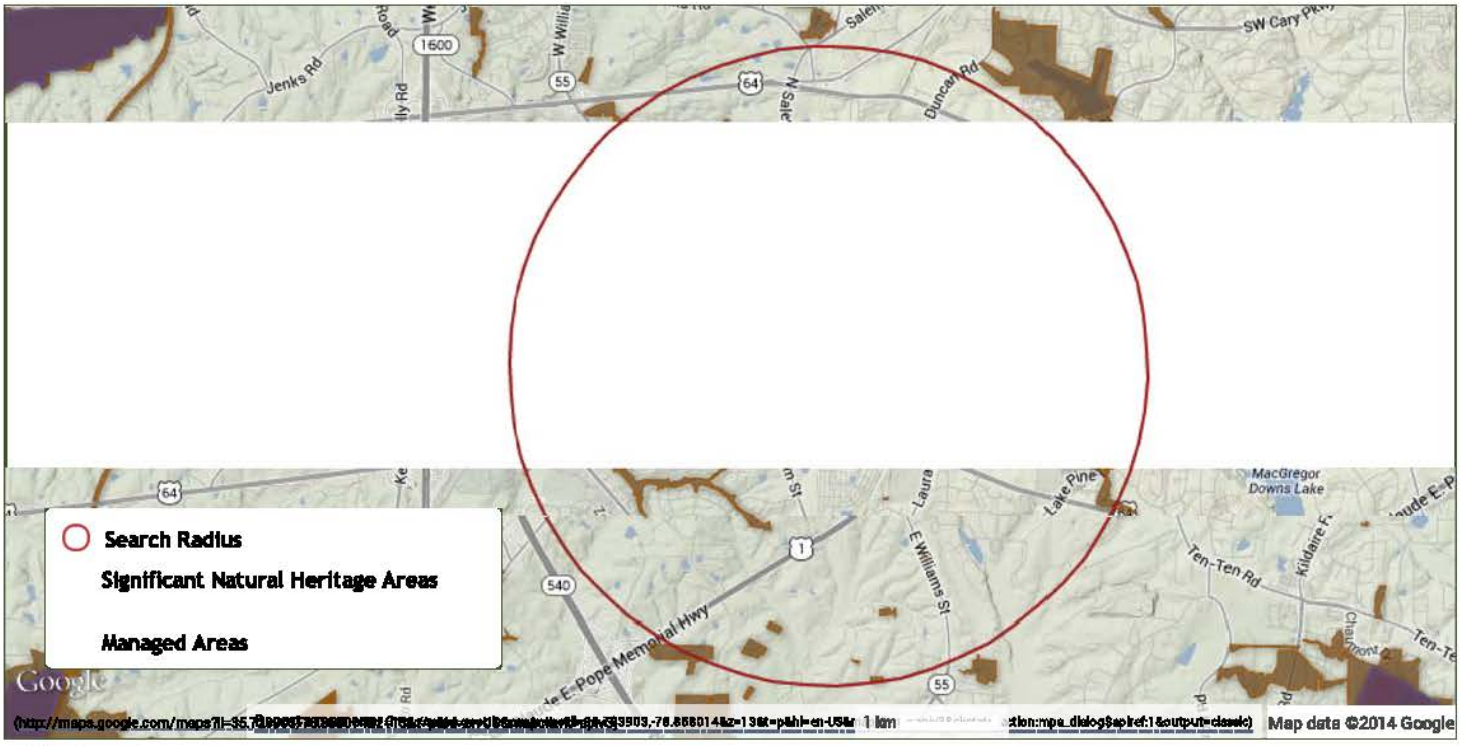
(decimal degrees)

OR

just click a map location below...



Hide Legend

SHOW RESULTS FOR: Significant Natural Heritage Areas Managed Areas

Show 10 entries per page

Filter search results:

Site Name	Acres	Owner	Representational Rating	Collective Rating
No search results found				

Showing 0 to 0 of 0 entries

First Previous Next Last

The Natural Heritage Program Map Viewer provides information on significant natural heritage areas and managed areas occurring within a 1- to 5-mile radius of a user-selected location. Below are brief notes on use of the map viewer. For more information on use of the map viewer or for an explanation of the values returned by the search, see the "Help and Definitions" link above.

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(http://portal.ncdenr.org/web/nhp)North Carolina Natural Heritage Program • 1601 Mail Service Center • Raleigh, NC 27699-1601

N.C. Department of Environment and Natural Resources
1601 Mail Service Center, Raleigh, NC 27699-1601
Headquarters (Environment and Natural Resources Building): 217 W. Jones St.
Archdale Building: 512 N. Salisbury St.
Toll Free: (877) 623-6748

APPENDIX B

50-YEAR CHAIN-OF-TITLE

Prepared for:

MILL CREEK ENVIRONMENTAL SERVICES, INC.
1818 Perimeter Road
Dawsonville, GA 30534

Chain Of Title Report

Apex Village Shopping Center

548 E. Williams Street
Apex, NC 27502
Wake County
PO #: AV-1301-9
ES-108889
Monday, January 13, 2014

CHAIN OF TITLE REPORT	
ES-108889	January 13, 2014

BANKS ENVIRONMENTAL DATA
A DIVISION OF THE BANKS GROUP

HISTORICAL OWNERSHIP REPORT

Legal Description:	See Attached
Subject Parcel Number:	0741582328

Date	Document Type	Grantor	Grantee	Parcel/ Legal	Book/ Page
03/28/2013	General Warranty Deed	CASL2 Development, LLC	New Falls Property, LLC	Subject Parcel	15206/1623
09/30/1999	General Warranty Deed	William B. & Mildred L. Nivison; William B. Nivison, Mildred L. Nivison and Arthur E. Nivison – Family Trustees and Sam Stone – Independent Special Trustee of the Nivison Charitable Remainder Unitrust	CASL2 Development, LLC	Subject Parcel	8426/2489
12/19/1997	Special Warranty Deed	William B. & Mildred L. Nivison	William B. Nivison, Mildred L. Nivison and Arthur E. Nivison – Family Trustees and Sam Stone – Independent Special Trustee of the Nivison Charitable Remainder Unitrust (4/5 Interst)	Subject Parcel	7830/335
05/30/1979	Deed	W.B. & Mildred L. Nivison	Mildred L. Nivison (1/6 Interest)	Subject Parcel	2734/440
05/31/1975	Deed	W.B. & Mildred L. Nivison	Mildred L. Nivison (1/3 Interest)	Subject Parcel	2622/389

03/13/1975	Deed	Harvey L. & Texanna J. Montague	W.B. Nivison	Subject Parcel	2303/327
03/13/1975	Deed	Apex Development and Realty Co., Inc.	Harvey L. Montague	Subject Parcel	2303/323
01/12/1970	Deed	Martha M. Smith and Louis C. Smith, her husband	Apex Development and Realty Co., Inc.	Subject Parcel	1910/190
04/09/1965	Deed	B.F. McLeod, Jr. and Virginia C. McLeod, his wife, Helen S. Wimberley and L.J. Wimberley, her husband; Louis C. Smith	Martha M. Smith	Subject Parcel	1640/308
03/26/1962	Deed	Louis C. & Martha Smith and L.J. & Helen S. Wimberley	B.F. McLeod, Jr. and Virginia C. McLeod, his wife	Subject Parcel	1496/591
02/09/1962	Deed	C.C. & Anna B. Triplett	Louis C. Smith and Helen S. Wimberley	Subject Parcel	1493/159
Split A					
11/20/1946	Deed	Thelma E. Wrenn	C.C. Triplett and J.M. Triplett	Split A	952/474
06/29/1944	Deed	A.H. & Lizzie London	Thelma Wrenn	Split A	908/205
A.H. & Lizzie London held the title for Split A prior to 1940.					
Split B					
08/30/1941	Deed	W.G. Cooke, et ux	C.C. & Anna B. Triplet	Split B	871/18
W.G. Cooke held the title for Split B prior to 1940.					

BANKS ENVIRONMENTAL DATA A DIVISION OF THE BANKS GROUP

HISTORICAL OWNERSHIP REPORT

TITLE RESEARCH NOTES

Notes:

ASTM Notes:

ASTM E 1527-05, on Historical Use Information requires a review of "*Reasonably Ascertainable standard historical sources.*"

"Reasonably Ascertainable means information that is publicly available, obtainable from a source with reasonable time and cost constraints, and practically reviewable."

This task requires reviewing only as many of the standard historical sources as are necessary, and that are reasonably ascertainable and likely to be useful.

Banks Environmental Data, Inc. has determined that the ASTM E 1527-05, Section 8.3.4.4 requirements (as it pertains to methods and locations of research) have been met for the subject property searched in this report.

Environmental Liens:

No environmental liens were identified. Activity/use limitations (AULs) were identified. See document "Notice of Residual Petroleum" (15482/1726). North Carolina does not appear to be a Superlien state.

RESOURCES & LIMITATIONS

Banks Environmental Data, Inc. (Banks) has completed your request for an Environmental Chain of Title search for the above site. The information in this report has been produced from a limited search of the public land records and/or real property deed records of the county and state for a 70 year period up through the indicated date as shown on this report. This limited search includes only the recorded deeds and most easements and surface leases affecting the ownership history of the subject property. This report is being provided for use only as a limited part of an overall Phase I Environmental Site Assessment as performed by a qualified Environmental Engineer/Consultant as specified in the ASTM Standard E 1527-05 and as specified in the Comprehensive Environmental Response, Compensation and Liabilities Act of 1980, as amended, and may not be relied upon for any other purpose.

This report is not to be considered an Abstract, a Title Commitment, Title Opinion, Title Guaranty, or a representation of the legal status of the property. The information presented is simply a report of instruments filed of record pertaining to the above property and was obtained from the county public records. No guaranty as to the integrity or correctness of said records is implied.

BANKS ENVIRONMENTAL DATA A DIVISION OF THE BANKS GROUP

HISTORICAL OWNERSHIP REPORT

GLOSSARY

There are certain terms used in Chain of Title searches, which may require clarification. This glossary is designed to provide definitions for some of the most common terms.

1. Environmental Lien:	The Environmental Lien is a record of a document/instrument filed by the City, County, State or Federal Government that prevents the conveyance of a property because of severe environmental problems existing on the premises.
2. Break in Chain:	There may appear to be a break in the chain of title as indicated when the sequential tracing of ownership fails. An example of a break would be: *Smith to Jones. . .Jones to Wilson. . .White to Black*. The missing link is from Wilson to White. There are several possible reasons for this occurrence. • Due to the size or other physical characteristics of the property, there could be multiple owners at any time when tracing the history of the ownership of the property. • There could be an "easement title" over some portion of the property, allowing for use of that portion for a specific purpose. • There could be a "multi-percentage interest" in the property, with concurrent multiple owners making up 100% of the fee title. Then, a percentage owner deeds out his particular interest or a percentage of this interest to one or more parties. This causes a perceived break in the chain.
3. Easement:	An easement is the right to enter and use another person's property: a non-possessor right to use another person's real property. Traditionally easements are granted to utility companies and other service organizations or as a right of access to another property.
4. Multiple Owners:	When "others" or "et al" appears on the report in the owner category, it indicates multiple ownership of a single parcel, with too many names to record in summary. It is frequently used to denote more than a single owner. If the owners are a married couple, both names may appear on the report or may be denoted by "et ux". The term "owners' is usually used to indicate owners of multiple parcels, all recorded under a document that covers the multiple parcels.
5. Multiple Parcels:	Some properties are created by combining several adjoining parcels into one large parcel. When this occurs; there might be several different owners until the time of unification of the property. Sometimes the ownership appears to be cloudy until each owner conveys his/her interest to the single owner of the new larger parcel.

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BK015206PG01623

WAKE COUNTY, NC 997
LAURA M RIDDICK
REGISTER OF DEEDS
PRESENTED & RECORDED ON
03/28/2013 AT 16:27:28
STATE OF NORTH CAROLINA
REAL ESTATE EXCISE TAX: $7900
BOOK:015206 PAGE:01623 - 01626

NORTH CAROLINA GENERAL WARRANTY DEED

Excise Tax: $7900.00 Recording Time, Book and Page

REID: 0002103

Mail after Recording to: Ben Fisher, Esq., P.O. Box 3807, Cary, North Carolina 27519
This instrument was prepared by: Jeffrey J. Goebel, Attorney, Jordan Price Wall Gray Jones & Carlton, PLLC

Brief description for the Index: APEX VILLAGE

THIS GENERAL WARRANTY DEED, made this 28th day of March 2013, by and between

GRANTOR	GRANTEE
CASL2 DEVELOPMENT, LLC	NEW FALLS PROPERTY, LLC
a North Carolina Limited Liability Company	a Florida limited liability company
P.O. Box 388 Garner NC 27529	P. O. Box 3807 Cary, NC 27519

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain and convey unto the Grantee in fee simple, all its right, title and interest in that certain lot or parcel of land situated in White Oak Township, Wake County, North Carolina and more particularly described as follows:

SEE ATTACHED EXHIBIT "A"

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated.

The property conveyed herein is not the primary residence of the Grantor.

Title to the property hereinabove described is subject to the following exceptions:

1. DEED OF EASEMENT RECORDED IN BOOK 3157, PAGE 328, WAKE COUNTY REGISTRY
2. RIGHT OF WAY EASEMENT RECORDED IN BOOK 4251, PAGE 514, WAKE COUNTY REGISTRY
3. EASEMENT AND RIGHT OF ENTRY AGREEMENT RECORDED IN BOOK 10097, PAGE 1932, WAKE COUNTY REGISTRY
4. DEED OF RIGHT OF WAY RECORDED IN BOOK 12883, PAGE 2754, WAKE COUNTY REGISTRY
5. MATTERS SHOWN ON PLATS RECORDED IN BOOK OF MAPS 1983, PAGE 882 AND BOOK OF MAPS 2002, PAGE 1835, RE-RECORDED IN BOOK OF MAPS 2002, PAGE 2036, ALL OF WAKE COUNTY REGISTRY
6. 2013 AD VALOREM TAXES AND SUBSEQUENT YEAR TAXES
7. ALL LOCAL, COUNTY, STATE OR FEDERAL GOVERNMENT LAWS, ORDINANCES, RESTRICTIONS OR REGULATIONS RELATIVE TO ZONING, SUBDIVISION, OCCUPANCY, USE, CONSTRUCTION OR DEVELOPMENT OF THE SUBJECT PROPERTY.

IN WITNESS WHEREOF, the Grantor has hereunto caused this instrument to be executed in its name by a duly authorized officer the day and year first above written.

GRANTOR: **CASL2 DEVELOPMENT, LLC**

BY: _____
Joseph T. Sample
ITS: Manager

STATE OF NORTH CAROLINA,

COUNTY OF WAKE.

I, EDITH B. CRAIG, a Notary Public of the County and State aforesaid, certify that Joseph T. Sample personally appeared before me and acknowledged that he is Manager of CASL2 Development, LLC and that he, being authorized to do so, voluntarily executed the foregoing instrument on behalf of the limited liability company for the purpose and in the capacity stated therein. Witness my hand and official stamp or seal, this 27 day of March, 2013.

Edith B. Craig
NOTARY PUBLIC

My Commission Expires: 8/2/16

EDITH B. CRAIG NOTARY PUBLIC JOHNSTON COUNTY, NC

Notary Seal

Exhibit A

Being all that certain parcel or tract of and lying and being situate in White Oak Township, Wake County, North Carolina, and more particularly described as follows:

BEGINNING at an iron pipe at the intersection of the northern right of way of James Street and the southeastern right of way of Short Street and runs then with said southeastern right of way of Short Street North 34 degrees 42 minutes 04 seconds East 407.30 feet to an iron pipe, being the southeastern corner of now or formerly Julian G. Depoy; runs then with said Depoy southeastern line North 34 degrees 34 minutes 54 seconds East 100.15 feet to an iron pipe tack and continuing with said Depoy southeastern line North 34 degrees 51 minutes 52 seconds East 30.09 feet to an iron pipe, being the northeastern corner of Depoy and the southeastern corner of now or formerly Jeffrey V. Roscoe and Sandra R. Roscoe; runs then with said Roscoe southeastern line North 34 degrees 38 minutes 42 seconds East 153.66 feet to an iron pipe in the southwestern right of way of N. C. Highway 55 East (East Williams Street); runs then with said southwestern line of N. C. Highway 55 the following: South 53 degrees 38 minutes 06 seconds East 104.36 feet to a nail; South 50 degrees 57 minutes 13 seconds East 140.92 feet to a nail; South 48 degrees 20 minutes 03 seconds East 118.22 feet to a nail; and South 45 degrees 57 minutes 21 seconds East 86.77 feet to an iron pipe in the northern corner of now or formerly Julian G. Depoy; runs then with the western line of Depoy South 20 degrees 30 minutes 24 seconds West 138.51 feet to an iron pipe, being a corner of said Depoy and a northern corner of Triplett Shop Tract; runs then with the western line of said Triplett Shop Tract South 20 degrees 14 minutes 16 seconds West 188.00 feet to an iron pipe in the northern right of way of said James Street; and runs then with said northern right of way line of said James Street the following: North 86 degrees 41 minutes 26 seconds West 407.61 feet to a nail and North 89 degrees 00 minutes 48 seconds West 216.98 feet to the point and place of BEGINNING; containing 5.80 acres, more or less; and being all of the . property described in deed recorded in Book 2303, Page 327, Book 2622, Page 389, Book 2734, Page 440 and Book 7830, Page 335, Wake County Registry; and being shown on Survey entitled "Existing Conditions Survey: For Apex Village Business Complex Owner: CASL II, LLC," dated September 8, 1999 by Krause Surveying Associates.

And being the identical property as that conveyed via warranty deed recorded in Book 8426, Page 2489, Wake County Registry, reference to which is hereby made.

BOOK:015206 PAGE:01623 - 01626

Yellow probate sheet is a vital part of your recorded document.
Please retain with original document and submit for rerecording.

Wake County Register of Deeds
Laura M. Riddick
Register of Deeds

This Customer Group

_____ # of Time Stamps Needed

This Document

_____ New Time Stamp

4 # of Pages 8C

22.004–8/15/11

WAKE COUNTY, NC 47
LAURA M RIDDICK
REGISTER OF DEEDS
PRESENTED & RECORDED ON
10/25/2013 AT 09:27:28

BOOK:015482 PAGE:01726 - 01730

NOTICE OF RESIDUAL PETROLEUM

Apex Village Complex, Wake County, North Carolina
(Site name)

The property that is the subject of this Notice (hereinafter referred to as the "Site") contains residual petroleum and is an Underground Storage Tank (UST) incident under North Carolina's Statutes and Regulations, which consist of N.C.G.S. 143-215.94 and regulations adopted thereunder. This Notice is part of a remedial action for the Site that has been approved by the Secretary (or his/her delegate) of the North Carolina Department of Environment and Natural Resources (or its successor in function), as authorized by N.C.G.S. Section 143B-279.9 and 143B-279.11. The North Carolina Department of Environment and Natural Resources shall hereinafter be referred to as "DENR".

NOTICE

Petroleum product was released and/or discharged at the Site. **Petroleum constituents remain on the site, but are not a danger to public health and the environment, provided that the restrictions described herein, and any other measures required by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, are strictly complied with.** This "Notice of Residual Petroleum" is composed of a description of the property, the location of the residual petroleum and the land use restrictions on the Site. The Notice has been approved and notarized by DENR pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11 and has/shall be recorded at the Wake County Register of Deeds' office Book 15206 Page 1623.

Any map or plat required by DENR has been/shall be recorded at the Wake County Register of Deeds' office Book 15206, Page 1623, and has been/shall be incorporated into the Notice by this reference.

Source Property

New Falls Property, LLC of Cary, North Carolina is the owner in fee simple of all or a portion of the Site, which is located in the County of Wake, State of North Carolina, and is known and legally described as:

Return: Mill Creek Environmental Services Inc
1818 Perimeter Road
Dawsonville GA 30534

Site Legal Description is Attached

PERPETUAL LAND USE RESTRICTIONS

Groundwater: Groundwater from the site is prohibited from use as a water supply. Water supply wells of any kind shall not be installed or operated on the site.

ENFORCEMENT

The above land use restriction(s) shall be enforced by any owner, operator, or other party responsible for the Site. The above land use restriction(s) may also be enforced by DENR through any of the remedies provided by law or by means of a civil action, and may also be enforced by any unit of local government having jurisdiction over any part of the Site. Any attempt to cancel this Notice without the approval of DENR (or its successor in function) shall be subject to enforcement by DENR to the full extent of the law. Failure by any party required or authorized to enforce any of the above restriction(s) shall in no event be deemed a waiver of the right to do so thereafter as to the same violation or as to one occurring prior or subsequent thereto.

IN WITNESS WHEREOF, New Falls Property, LLC has caused this Notice to be executed pursuant to N.C.G.S. Sections 143B-279.9 and 143B-279.11, this 26th day of September, 2013.

RONALD FOSTER
(name of responsible party if agent is signing)

By: _____
(signature of responsible party, attorney or other agent if there is one)

MANAGER
(Title of agent for responsible party if there is one)

Signatory's name typed or printed: RONALD P. FOSTER

NORTH CAROLINA
Jackson COUNTY
(Name of county in which acknowledgment was taken)

I, Mary E. Druzbick, a Notary Public for said County and State, do hereby certify that Ronald Fisher personally came before me this day and acknowledged that he is _____ of _____ and acknowledged, on behalf of _____, the grantor the due execution of the foregoing instrument.

WITNESS my hand and official seal, this the 26th day of September, ~~200~~ 2013.

(Official Seal)

Mary E. Druzbick
(signature of Notary Public)
Mary E. Druzbick
(printed or typed name of Notary Public)

Notary Public

My commission expires January 14, 2015

expires: January 14, 2015

Approved for the purposes of N.C.G.S. 143B-279.11

Mark R. Powers
(signature of Regional Supervisor)
MARK R. POWERS, Regional Supervisor
(printed name of Regional Supervisor)

RALEIGH Regional Office
UST Section
Division of Waste Management
Department of Environment and Natural Resources

NORTH CAROLINA
Wake COUNTY
(Name of county in which acknowledgment was taken)

I certify that the following person(s) personally appeared before me this day, each acknowledging to me that he or she signed the foregoing document: Mark R. Powers *(full printed name of Regional Supervisor)*

Date: 10/7/2013

(Official Seal)

RYAN GREENE NOTARY PUBLIC WAKE COUNTY, NC

Ryan Greene
(signature of Notary Public)
Ryan Greene
(printed or typed name of Notary Public)

Notary Public

My commission

expires: 8/2/2015

Revised January 15, 2013

Zachary Fisher <zacharyfisherpm@gmail.com>
To: Ron Fisher <fishermd@me.com>
PastedGraphic-1.pdf

September 25, 2013 5:34 PM

1 Attachment, 461 KB

Being all that certain parcel or tract of and lying and being situate in White Oak Township, Wake County, North Carolina, and more particularly described as follows:

BEGINNING at an iron pipe at the intersection of the northern right of way of James Street and the southeastern right of way of Short Street and runs then with said southeastern right of way of Short Street North 34 degrees 42 minutes 04 seconds East 407.30 feet to an iron pipe, being the southeastern corner of now or formerly Julian G. Depoy; runs then with said Depoy southeastern line North 34 degrees 34 minutes 54 seconds East 100.15 feet to an iron pipe tack and continuing with said Depoy southeastern line North 34 degrees 51 minutes 52 seconds East 30.09 feet to an iron pipe, being the northeastern corner of Depoy and the southeastern corner of now or formerly Jeffrey V. Roscoe and Sandra R. Roscoe; runs then with said Roscoe southeastern line North 34 degrees 38 minutes 42 seconds East 153.66 feet to an iron pipe in the southwestern right of way of N. C. Highway 55 East (East Williams Street); runs then with said southwestern line of N. C. Highway 55 the following: South 53 degrees 38 minutes 06 seconds East 104.36 feet to a nail; South 50 degrees 57 minutes 13 seconds East 140.92 feet to a nail; South 48 degrees 20 minutes 03 seconds East 118.22 feet to a nail; and South 45 degrees 57 minutes 21 seconds East 86.77 feet to an iron pipe in the northern corner of now or formerly Julian G. Depoy; runs then with the western line of Depoy South 20 degrees 30 minutes 24 seconds West 138.51 feet to an iron pipe, being a corner of said Depoy and a northern corner of Triplett Shop Tract; runs then with the western line of said Triplett Shop Tract South 20 degrees 14 minutes 16 seconds West 188.00 feet to an iron pipe in the northern right of way of said James Street; and runs then with said northern right of way line of said James Street the following: North 86 degrees 41 minutes 26 seconds West 407.61 feet to a nail and North 89 degrees 00 minutes 48 seconds West 216.98 feet to the point and place of BEGINNING; containing 5.80 acres, more or less; and being all of the . property described in deed recorded in Book 2303, Page 327, Book 2622, Page 389, Book 2734, Page 440 and Book 7830, Page 335, Wake County Registry; and being shown on Survey entitled "Existing Conditions Survey: For Apex Village Business Complex Owner: CASL II, LLC," dated September 8, 1999 by Krause Surveying Associates.

And being the identical property as that conveyed via warranty deed recorded in Book 8426, Page 2489, Wake County Registry, reference to which is hereby made.

Sent from my iPhone

BOOK:015482 PAGE:01726 - 01730

WAKE COUNTY
NORTH CAROLINA

Please retain yellow trailer page

It is part of the recorded document and must be submitted with the original for re-recording.

Laura M. Riddick
Register of Deeds
Wake County Justice Center
300 South Salisbury Street, Suite 1700
Raleigh, NC 27601

- ☐ New Time Stamp
- ☒ $25 Non-Standard Fee
- ☐ Additional Document Fee
- ☐ Additional Reference Fee

This Customer Group

____# of Time Stamps Needed

This Document

5 # of Pages CP

APPENDIX C

HISTORICAL AERIAL PHOTOGRAPHS

Apex Village
548 East Williams Street
Apex, NC 27502

Inquiry Number: 3827687.1
January 10, 2014

The EDR Aerial Photo Decade Package

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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.

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

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Date EDR Searched Historical Sources:

Aerial Photography January 10, 2014

Target Property:

548 East Williams Street

Apex, NC 27502

Year	***Scale***	***Details***	***Source***
1959	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Date: January 01, 1959	EDR
1965	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Date: January 01, 1965	EDR
1971	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Date: January 01, 1971	EDR
1973	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Date: April 05, 1973	EDR
1981	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Date: January 01, 1981	EDR
1983	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Date: April 21, 1983	EDR
1993	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/DOQQ - acquisition dates: March 15, 1993	EDR
1998	Aerial Photograph. Scale: 1"=750'	Panel #: 35078-F7, Apex, NC;/Flight Date: March 29, 1998	EDR
2005	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Year: 2005	EDR
2006	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Year: 2006	EDR
2008	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Year: 2008	EDR
2009	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Year: 2009	EDR
2010	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Year: 2010	EDR
2012	Aerial Photograph. Scale: 1"=500'	Panel #: 35078-F7, Apex, NC;/Flight Year: 2012	EDR

INQUIRY #: 3827687.1

YEAR: 1959

= 500'

N

INQUIRY #: 3827687.1
YEAR: 1965
= 500'
N

INQUIRY #: 3827687.1

YEAR: 1971

= 500'

N

INQUIRY #: 3827687.1
YEAR: 1973
= 500'
N

INQUIRY #: 3827687.1
YEAR: 1981
= 500'
N

INQUIRY #: 3827687.1
YEAR: 1983
= 500'
N

INQUIRY #: 3827687.1
YEAR: 1993
= 500'
N

INQUIRY #: 3827687.1
YEAR: 1998
= 750'
N

INQUIRY #: 3827687.1
YEAR: 2005
= 500'
N

INQUIRY #: 3827687.1
YEAR: 2006
= 500'
N

INQUIRY #: 3827687.1
YEAR: 2008
= 500'
N

INQUIRY #: 3827687.1
YEAR: 2009
= 500'
N

INQUIRY #: 3827687.1
YEAR: 2010
= 500'
N

INQUIRY #: 3827687.1
YEAR: 2012
= 500'
N

APPENDIX D

PHASE I ESA – ED AGUIRRE & ASSOCIATES, INC.
MARCH 1999

Phase I Environmental Site Assessment

Apex Village Property
Apex, Wake County
North Carolina

Prepared for:

Trademark Properties
4000 Blue Ridge Road
Raleigh, North Carolina
27612

Issued by:

Ed Aguirre & Associates, Inc.
P.O. Box 6271
Raleigh, North Carolina
27628-6271

March 1999

Edward G. Aguirre, P.G.
President

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EXECUTIVE SUMMARY

The subject property consists of an approximate 5.8-acre tract of land located at the 500 block of E. Williams Street (NC Highway 55), Apex, Wake County, North Carolina. The subject property was developed between 1970 and 1990 and consists of a mixed-use development including six building totaling 70,789 square feet and an asphalt parking lot. The subject property, which is zoned SC (shopping center), is utilized as retail space, service garage space, warehouse space, and a six (6) bay car wash. The topography is gently rolling with an elevation ranging from 480 feet to 470 feet above mean sea level.

The surrounding properties to the south and west are residential properties, the properties to the east are commercial and the property to the north is the Apex Middle School campus. No wetland type vegetation was observed on-site during the site inspection.

No hazardous waste was observed on the subject property. However, petroleum products and/or chemicals are reportedly on the subject property at various retail businesses in the form of packaged petroleum products, paints, fertilizers, herbicides, and pesticides. All packages were observed in their original containers and no signs of incidental spills or releases were observed.

There are no adjacent high-risk sites except for a private residence located at 426 Cooke Street. One dispenser and UST were observed on the driveway off of Short Street approximately 50 feet west of the subject property. At the time of the site inspection, there have been no reportable releases from this property.

No potable wells were observed at the adjacent properties. Although, a thorough inspection of these properties was not part of this assessment, potable wells and septic tanks may also be present.

Two groundwater monitor wells were observed on the subject property. A release of petroleum product was reported during the removal of three USTs in 1993. Reportedly, a convenient mart operated the USTs from 1965 to 1982 when the tanks were emptied. A review of the UST Closure Report indicates that soil contamination is present. However, groundwater samples obtained in December 1994 do not indicate petroleum constituents above the North Carolina Department of Environment and Natural Resources, Division of Water Quality action limits.

In addition, a 500-gallon tank and miscellaneous debris was observed behind an All Pro Super Auto Parts store and Southern Tire and Sale as well as an isolated area of surface staining.

There was no other evidence of environmental impact noted on the subject property during this Environmental Site Assessment.

1.0 INTRODUCTION

At the request of Mr. Ken Lucas of The Tar Heel Companies of NC, Ed Aguirre & Associates, Inc. (EA) is submitting copies of the Phase I Environmental Site Assessment originally performed for and submitted to Mr. Alton Smith of The Trademark Properties. Representatives of EA performed a Phase I Environmental Site Assessment on the Apex Village Property located at the 500 block of E. Williams Street (NC Highway 55), Apex, Wake County, North Carolina (see Figure 1). The principal objective of this assessment is to identify potential environmental liabilities associated with the present and historical use of the property, the physical condition of the grounds, the existing operational practices, and any impact from surrounding areas. The assessment consisted of an on-site inspection, discussion with available facility representatives, a review of pertinent regulatory agency files, and an evaluation of potential liabilities.

During the assessment, EA personnel trained to recognize both short and long-term actual and potential environmental hazards and liabilities employed standard environmental investigation procedures. Although the assessment was thorough, the conclusions provided herein are based upon information provided to EA and are, therefore, no guarantee that additional problems will not arise in the future. EA did not perform environmental sampling or analysis during this assessment, but reviewed available data in the facility and regulatory agency files. EA does not provide any warranty for this property or certify future use of the property solely based upon this assessment. This assessment was conducted in accordance with ASTM 1527-97 "Standard Practice for Environmental Site Assessment Process".

2.0 PROPERTY DESCRIPTION

2.1 Site Description

The subject property consists of an approximate 5.8-acre, tract of land located at the 500 Block of E. Williams Street (NC Highway 55), Apex, Wake County, North Carolina. The subject property is a mixed-use development consisting of six buildings, totaling 70,789 square feet of gross building area. Minimal landscaped borders are located along the west and north property borders. The remaining surface areas are asphalt pavement and grassed borders behind the retail space and service garage space.
Appendix A contains photographs of the subject property.

2.2 Facility Operations

The subject property is developed and utilized as retail space, service garage space, warehouse space, and a six-bay car wash. There are no facility operations (see Appendix C for tenant list).

2.2.1 Utilities

Municipal water and sewer is available from the Town of Apex, North Carolina. Electric service is available by CP&L, natural gas by Public Service Gas Co., and telephone service by BellSouth.

2.3 Topography

The topography of the subject property ranges from approximately elevation 470 to 480 feet above mean sea level according to the Apex Quadrangle. The topography of the subject site is gently rolling with fall to the southeast.

The nearest stream or waterways is an unnamed tributary to Middle Creek located along the east property border

2.4 Soils and Geology

The USDA Soil Conservation Service Soil Survey of Wake County indicated that the subject soils are of the Mayodan-Granville-Creedmoor Association. This soil association consists of gently sloping to moderately sloping, steep, deep, well to moderately drained soils that have a subsoil of sandy clay loam to very firm clay derived from sandstone and shale.

The geology consists of Arkosic sandstone, conglomerates, fanglomerates, and mudstone of the Chatham Group, located within the Triassic Basin Physiographic Province.

2.5 Fill Materials

Site observations did indicate the presence of minor fill placement towards the south end of the subject property in the vicinity of the retail space and automobile service tenants.

2.6 Groundwater Depth and Flow

The general depth to non-perched surficial groundwater in the vicinity of the subject property is approximately 10' to 11' feet below ground surface during the wet season. Surficial groundwater flow typically follows the surface of competent soil formations, which in turn generally runs parallel to surface topography. Locally, the surfical groundwater flow is to the east/southeast based on the U.S.G.S. Apex Topographic Map. Regionally, groundwater flow is to the southeast towards Jordan Lake. However, the underlying sediments as described in section 2.4 lends to unpredictable variations of groundwater flow directions.

2.7 On-site Wells

No water wells were observed to be on the subject property. Potable water is available from the Town of Apex, North Carolina municipal water system. Division of Water Quality personnel reported that the water supply meets federal and state requirements

3.0 SURROUNDING PROPERTIES

3.1 Description of Surrounding Properties

The subject property is located on E. Williams Street (NC Highway 55), north of James Street, and southeast of downtown Apex, North Carolina. Two active retail petroleum facilities are located within 0.25 miles of the subject property. The following is a specific description of adjacent properties:

- **North** NC Highway 55 and Apex Middle School Athletic Field,
- **Northeast** Merita Bread Thrift Store and Residential Properties ,
- **Northwest** Apex Middle School Campus ,
- **South** James Street, wooded land, and Perry Village Residential Subdivision ,
- **Southeast** Woods,
- **Southwest** Perry Village ,
- **East** RIZ RAZ Café and APEX Motor Werkes,
- **West** Short Street and Residential Properties.

3.2 Adjacent High Risk Sites

Based on a review of available environmental databases and the site reconnaissance, there are no adjacent high- risk sites except for a residence located at 426 Cooke Street. The resident maintains a fuel dispenser and UST which is located off a driveway of Short Street. At the time of this site inspection, there have not been any reportable releases from this facility. However, the UST is being used for private consumption and incidental spills or overfilling may have occurred.

3.3 Wells in the Vicinity of the Subject Property

EA personnel did not observe signs potable water wells on surrounding properties. A thorough inspection of other adjacent properties was not conducted and wells may be present that may have been screened by vegetation or structures.

4.0 HISTORICAL USAGE

4.1 Interviews

According to Mrs. Mildred Niverson, current property owner, the property had been partially developed when the property was purchased in the mid 1970's. A convenient mart was present as well as Southern Tire and the car wash. In addition, one residential structure was present. The Niversons subsequently developed the property into its present configuration. The convenient mart has since been closed. The details pertaining to a release of petroleum product at the convenient mart can be found in section 7.0 and 9.1 of this report. No fires have been reported at the subject property and there have not been any emergency responses since the development of the property.

Reportedly, the Niverson family purchased the subject property from Mr. Harvey Monatgue.

4.2 Aerial Photograph Review

Three aerial photographs were reviewed as part of this Phase I Environmental Assessment. These photographs were dated 1958, 1965 and 1990.

The 1958 photograph was reviewed at the Wake County GIS office, Raleigh, North Carolina. The photograph shows the subject property to be primarily cultivated farmland with two residential type structures fronting E. Williams Street. The school campus can be seen to the north. The surrounding property land use is agricultural.

The 1965 aerial photograph was obtained from the USDA Soil Conservation Service, Wake County, North Carolina office shows the subject property to be the same except absent of row crop farmland. Residential properties can be seen to the west and additional development can be seen along E. Williams Street.

The 1990 aerial photograph obtained from the Town of Apex, shows the subject property to be developed with two structures and a car wash is present. The surrounding properties have been developed into their current configuration except to the south which appears to be farmland.

4.3 Chain of Title

A 50 year chain of title was not conducted as part of this assessment. If one becomes available, an addendum will be submitted to this report.

5.0 PETROLEUM AND HAZARDOUS MATERIALS

5.1 Material Storage

Material storage was observed on site in the form of petroleum, lubricants and/or cleaners.

All Pro Super Auto Parts maintains an inventory of package petroleum products for retail sales. Apex ACE Hardware also maintains package petroleum products, paint, fertilizer, and packaged herbicides and pesticides. Apex Printing uses water soluble inks in the printing operation. All materials were found in their original containers with no indication of spillage.

5.2 Waste Storage

Waste storage was not observed on the subject property.

6.0 WASTE DISPOSAL

6.1 Solid Waste

The subject property contains several on-site containers for solid waste at this time. No haphazard dumping was noted associated with the dumpsters.

6.2 Recyclable Wastes

The subject property has several containers on site for recycling cardboard.

6.3 Wastewater

The subject property generates only sanitary wastewater from the retail and office businesses at this time.

6.4 On-Site Septic Systems

There is no known on-site septic system on the subject site.

6.5 Hazardous Waste

No evidence of hazardous waste was observed during the site visit.

6.6 Medical Waste

No evidence of medical waste was observed during the site visit.

7.0 SPILLS AND RELEASES

7.1 Soil Contamination

No visible evidence of surficial soil contamination or extensive vegetative distress was observed during the site visit. The majority of the subject is asphalt pavement, however an isolated area of surface staining was noted behind All Pro Super Auto Parts and Southern Tire and Sales. A 500 gallon tank is present in the immediate area along with miscellaneous auto parts.

7.2 Groundwater Contamination

Two ground water monitor wells were observed on the subject property in front of Southern Tire and Sales. A review of an available UST Closure Report and subsequent correspondence indicates that a release of petroleum was encountered during the removal of 3-USTs at the former convenient mart in 1993. Reportedly, the convenient mart operated the USTs from 1965 to 1982. Although there is evidence of soil contamination present in the UST tank pit, groundwater quality samples obtained by another consultant did not detect petroleum constituents above the North Carolina Department of Environment and Natural Resources, Division of Water Quality action limit.

7.3 Other Known Contamination

No other evidence of site related contamination was discovered as part of this site assessment

8.0 SURFACE AND STORM WATER

8.1 Surface Water on or near the Site

An unnamed tributary to Middle Creek defines a portion of the east property border.

8.2 Storm Water Discharge

Storm water flowing overland on the subject property is collected by natural and manmade drainage easements along E. Williams Street, a private drive that bisects the site.

8.3 NPDES Permit

There was no available evidence of any National Pollutant Discharge Elimination System (NPDES) permit or any state discharge permit having been issued for the subject property. There are no operations located on the property that would require a permit for discharges to the POTW in order to perform their typical operations.

9.0 REGULATORY REVIEW

9.1 Environmental Database Review

As part of this assessment, EA reviewed the following environmental databases which were provided by the state of North Carolina. In addition, Ed Aguirre & Associates, Inc., reviewed all information provided by EDR, Inc., a subcontractor of EA and made field observations of those sites /properties reported in order to assess the potential for an environmental impact to the subject property. In some instances, the search criteria used be EA may have exceeded the required ASTM search radius.

Information presented in the following table is listed according to the ASTM radius. In addition, sites are reported outside of the search radius if the specific site presents a significant potential for environmental impact.

Database	Radius Searched	Sites	Discussion
EPA RCRA	Adjacent properties	0	None
EPA CERCLA	0.5 Mile	0	None
EPA TRI Listing	1 Mile	0	None
EPA NPL site	1 Mile	0	None
State UST	Adjacent	0	None
State Leaking Tank Sites	0.5 Mile	2	Subject Site, Apex, NC. 3 USTs removed in 12-93. Soil Contamination is present, however no petroleum constituents were present in groundwater sample, 12-94. Apex United Methodist Church, Hughes Street, Apex, NC. Site is 1300 feet west and cross gradient. This site does not present an environmental concern to the subject property.
EPA ERNS listing	Property only	0	None
EPA civil	1 mile	0	None
Solid waste facilities	County Listing	0	None

Approximate distances to the subject property presented in the text above may differ from those presented in the database reports. The distances presented in the text above were field verified upon conducting the field reconnaissance and represent the most accurate data.

Sites with incomplete address information are un-plottable based on the database review. Frequently, rural site are not plotted due to the nature of the address (e.g. Route 15, Box 225, ect.). An automobile reconnaissance was conducted within a 0.75 mile radius of the subject property in order to catalog property types that may harbor sites containing environmentally significant operations or conditions. This reconnaissance was cross referenced with the un-plottable site list in order to determine if any un-plottable sites are within 0.25 miles of the subject property. No un-plottable sites were identified during the automobile reconnaissance or map review.

9.2 Compliance Review

No issues of environmental non-compliance were noted at the subject property.

9.2.1 Air Quality

There was no available evidence of toxic air contaminants at the subject property during the site visit. There was no available evidence of air quality problems associated with the subject property.

10.0 STORAGE TANKS

10.1 On-site Storage Tanks

No on-site storage tanks are present on the subject property.

10.2 Off-site Storage Tanks

There was evidence of one off-site petroleum storage tank. One UST is located at the private residence at 426 Cooke Street. The dispenser and UST are located on a driveway off of Short Street.

Owner	Location	Distance/ Upgradient	Number of Tanks	Reported Leaks
Unk	50' west	upgradient	1	None reported

11.0 Building and Equipment Related Issues

11.1 Asbestos

A survey for asbestos containing building materials (ACMs) was not conducted as part of this assessment.

11.2 Lead-based Paint

No survey was conducted for lead-based paint as part of this assessment.

11.3 Lead in Drinking Water

No survey was conducted for lead in drinking water as part of this assessment.

11.4 Radon

No survey was conducted for radon as part of this assessment.

11.5 PCBs

No survey for PCBs was conducted as part of this assessment.

12.0 NATURAL RESOURCES

12.1 Wetlands

A National Wetlands Inventory (NWI) Map, prepared by the U.S. Department of Interior's USFWS, was not available for review to determine whether the subject property lies within a mapped wetland area. However, no wetland type vegetation was observed during this site inspection.

12.2 Endangered and Threatened Species

No endangered or threatened species survey was warranted for this survey.

13.0 CONCLUSIONS

13.1 Conclusions

The following conclusions are drawn from information gathered as part of this environmental site assessment which indicate environmentally significant issues:

The subject property consists of an approximate 5.8 acre tract of developed land located at the 500 block of E. Williams Street, Apex, Wake County, North Carolina. The subject property includes six buildings totaling 70,789 square feet which are presently utilized as retail space, service garage space, warehouse space and a six bay car wash. The surrounding properties to the south and west are residential properties, the properties to the east are commercial, and the Apex Middle School campus is located to the north. These properties do not present a high risk or environmental concern to the subject property except for a private residence at 426 Cooke Street. One dispenser USTs was observed behind the residence off of Short Street approximately 50 feet west of the subject property. Reportedly, there are no reports of releases of petroleum at this site.

No hazardous waste is located on the subject property. No haphazard dumping was noted and the subject property was in good order. No signs of surface staining or vegetative distress were noted except for the area behind All Pro Super Auto Parts Store and Southern Tire and Sales. .

Petroleum products, cleaners, paint, fertilizer, herbicides, pesticides, and water soluble inks were observed at various retail businesses in their original packaged containers. No spills or leaks were noted.

One release of petroleum product was reported at the subject property. Soil contamination is present in the vicinity of 3 former USTs. A subsequent groundwater evaluation by another consultant indicates that the groundwater does not contain petroleum constituents above the NCDENR action limits.

No other site related environmental concerns were identified during this assessment.

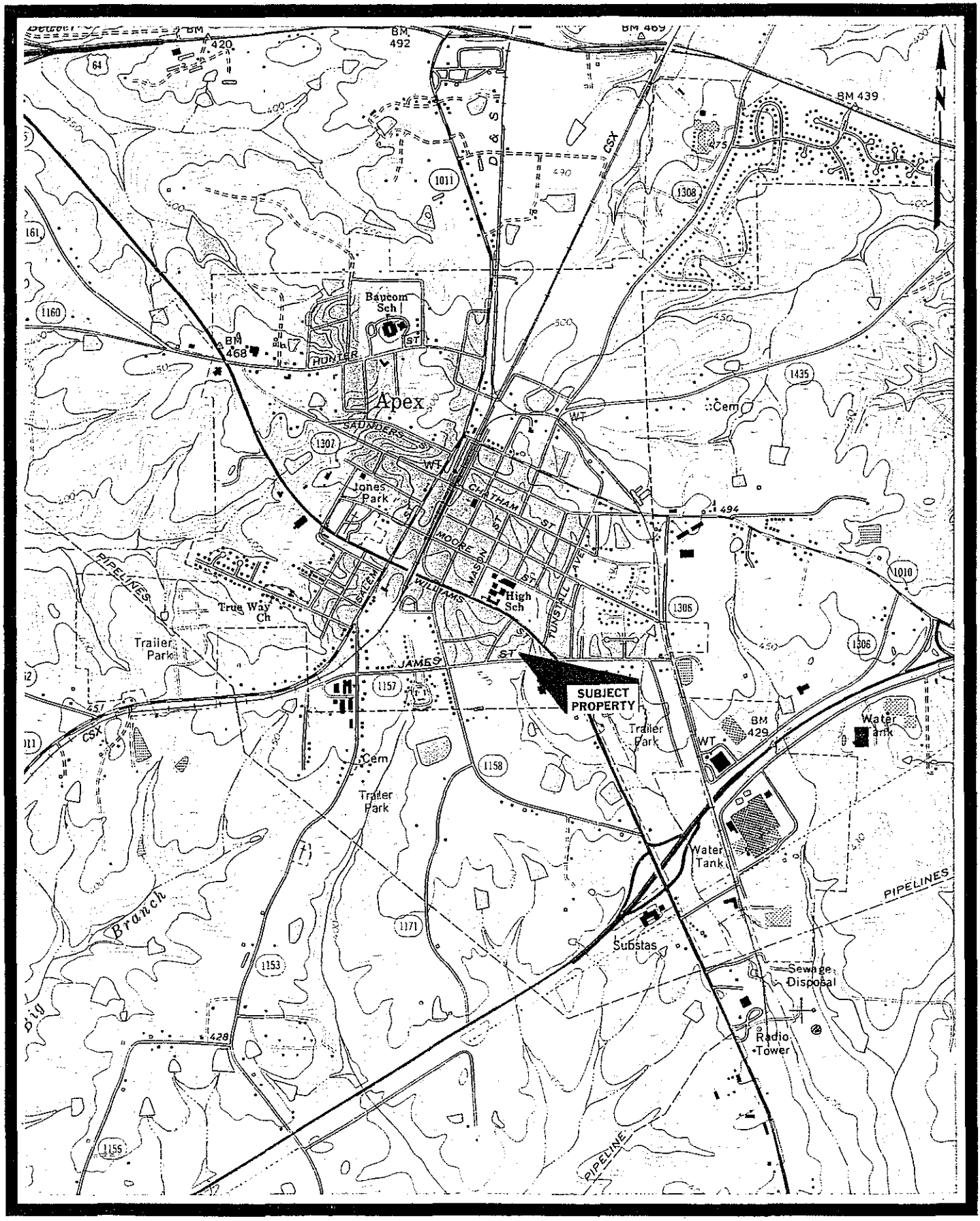
13.2 Recommendations

EA has the recommendations for the subject property:

Remove and properly dispose of the 500 gallon tank, debris, and surface soil from the area behind the All Pro Super Auto Parts store and the Southern Tire and Sales building.

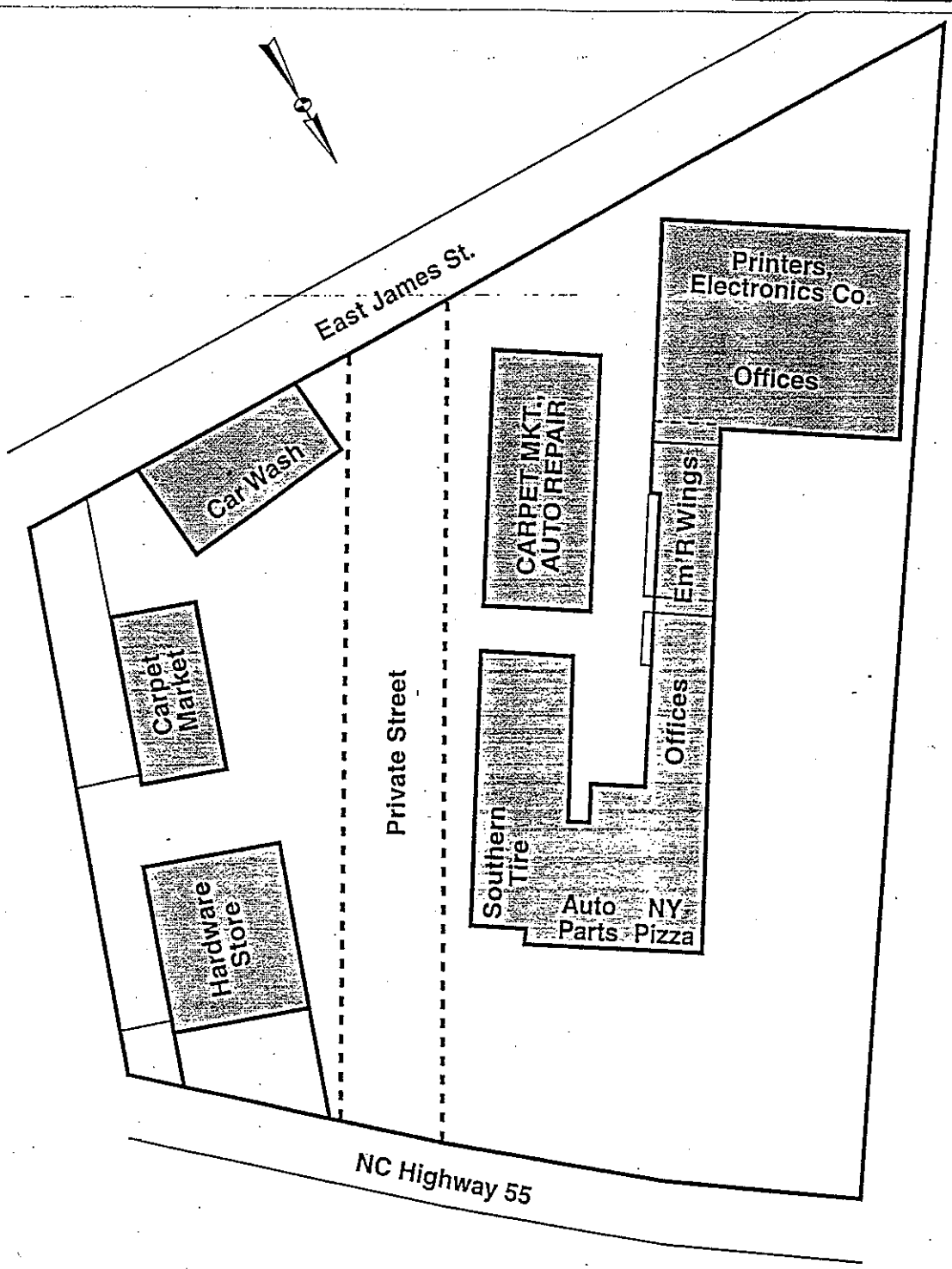
Petition the NCDENR to submit a "No further action letter" pertaining to the release of petroleum product at the former convenience mart.

FIGURES



APEX QUADRANGLE
NORTH CAROLINA–WAKE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Site Location



APEX VILLAGE RETAIL CENTER
Apex, North Carolina

ED AGUIRRE
& ASSOCIATES, INC.

Figure 2

APPENDICES

Appendix A

Site Photographs

Photo # 1 View of Apex Village, North Property Line Facing East Apex, North Carolina

Photo # 2 View of Western Property Border

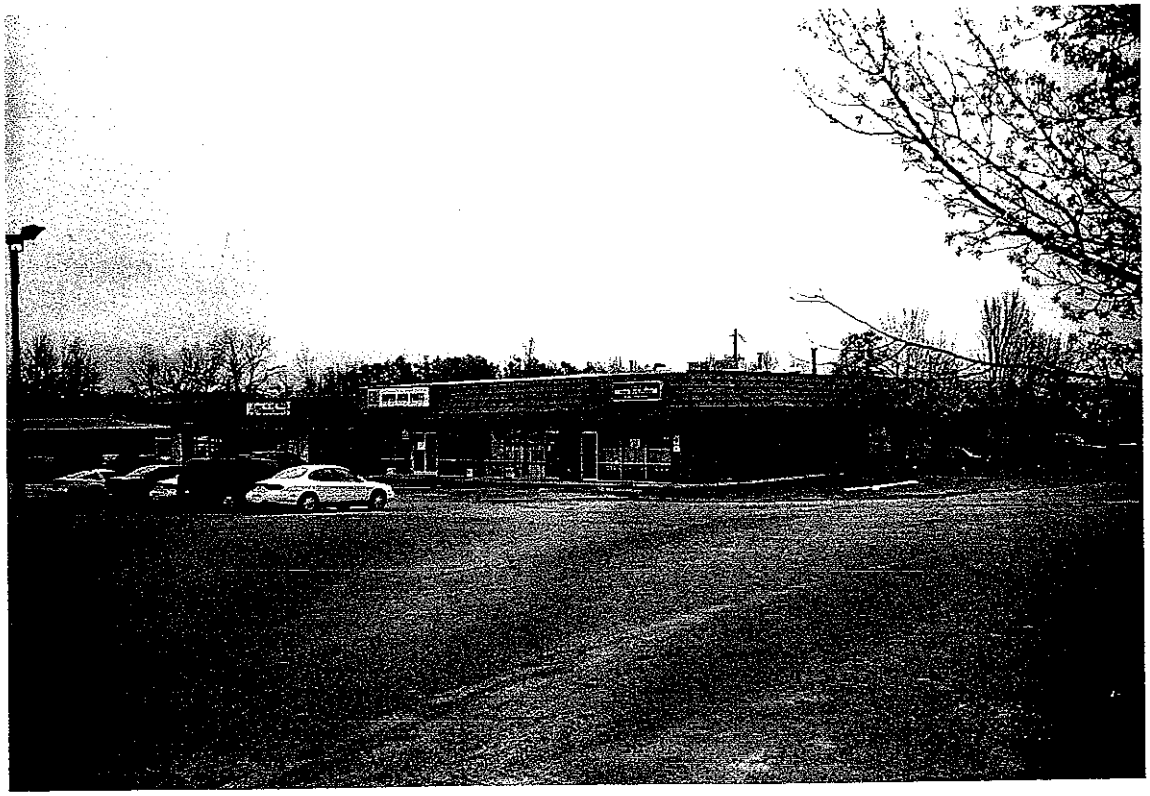


Photo # 3 View of Commercial Complex facing South from NW Corner

Photo # 4 View of Southern Tire Sales and Service

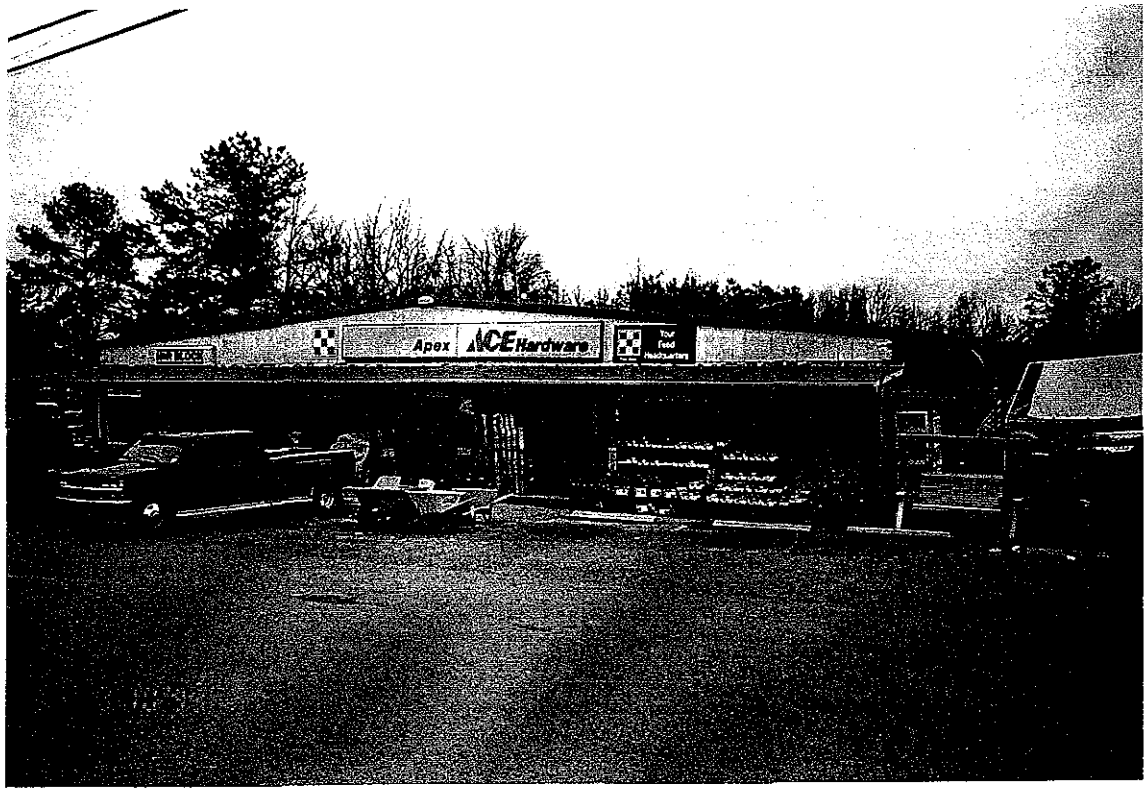


Photo # 5 View of ACE Hardware at NE Property Corner

Photo # 6 View of Rear of ACE Hardware

Photo # 7 View of RIZ RAZ Restaurant East of NE Corner

Photo # 8 View of APEX Motor Werkes East of SE Property Corner

Photo # 9 View of Apex Middle School North across E. Williams Street

Photo # 10 View of South Property Line facing West

Photo # 11 View of Wooded Land South of SE Property Corner across James Street

Photo # 12 View of Residential Subdivision South of SW Property Corner

Photo # 13 View of RJ Mechanical Welding at South End of Property

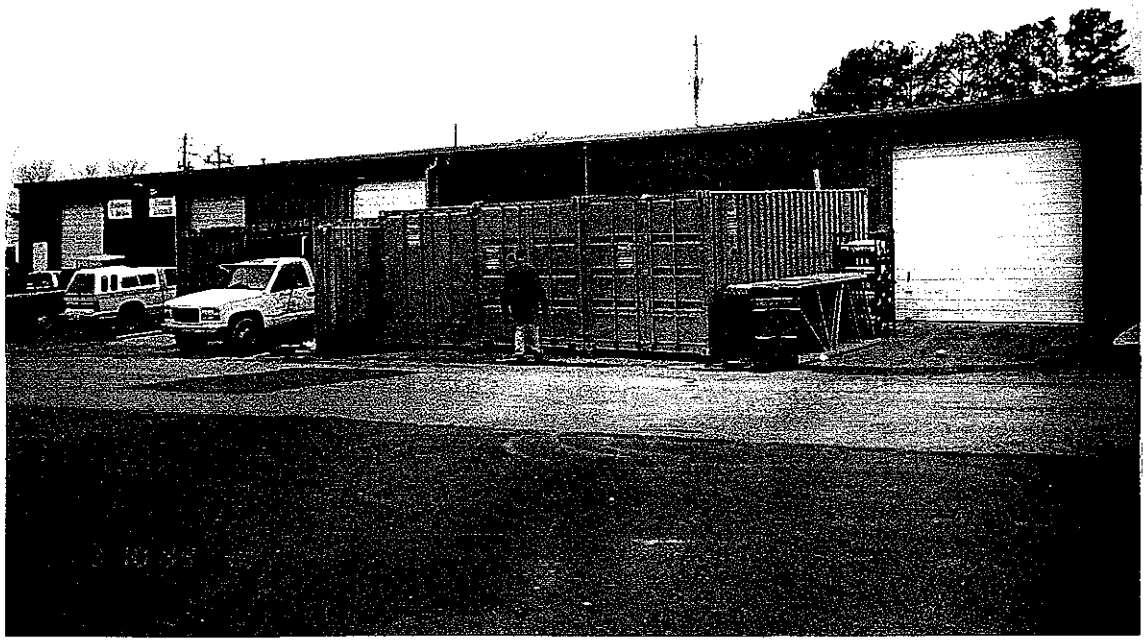


Photo # 14 View of Carpet Market and Solid Waste Containers

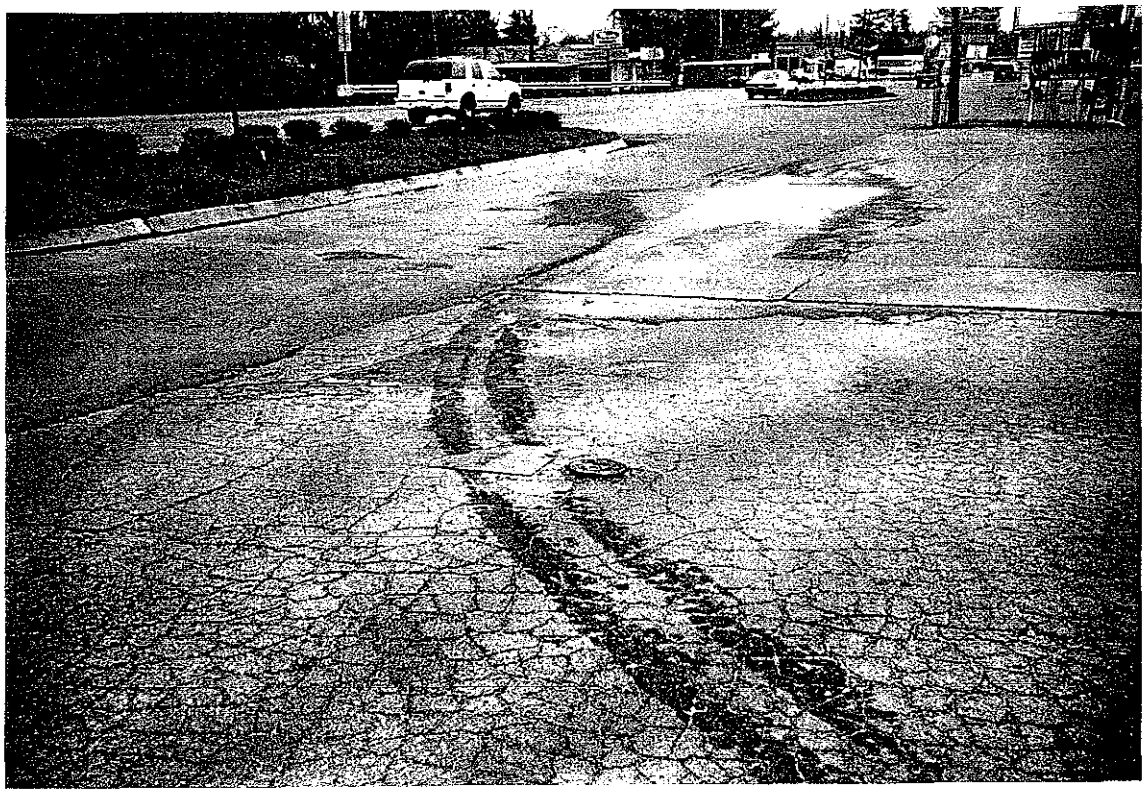


Photo # 15 View of Monitor Well and Former location of UST

Photo # 16 View of Dispenser and UST at Private Residence off of Short Street

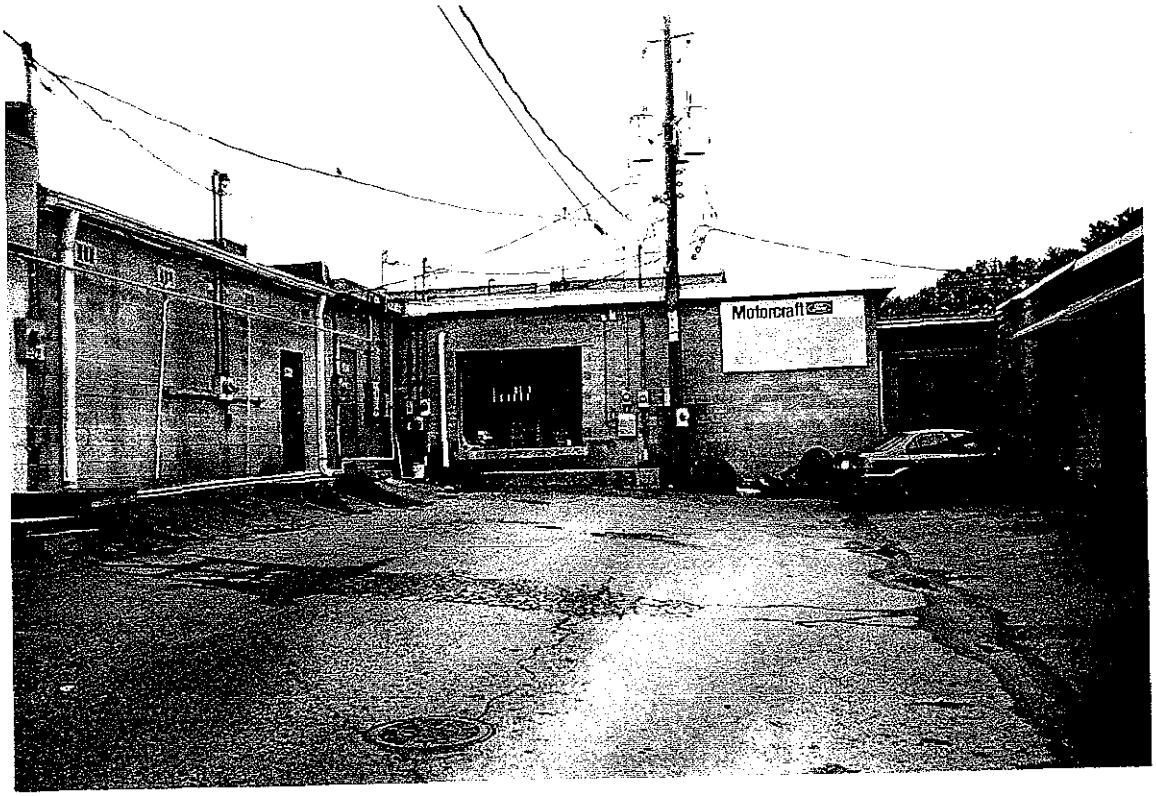


Photo # 17 View of Loading Area for Auto Parts and Southern Tire Sales

Photo # 18 View of 500 Gallon Tank, Auto Parts, Stained Soil and misc. Debris

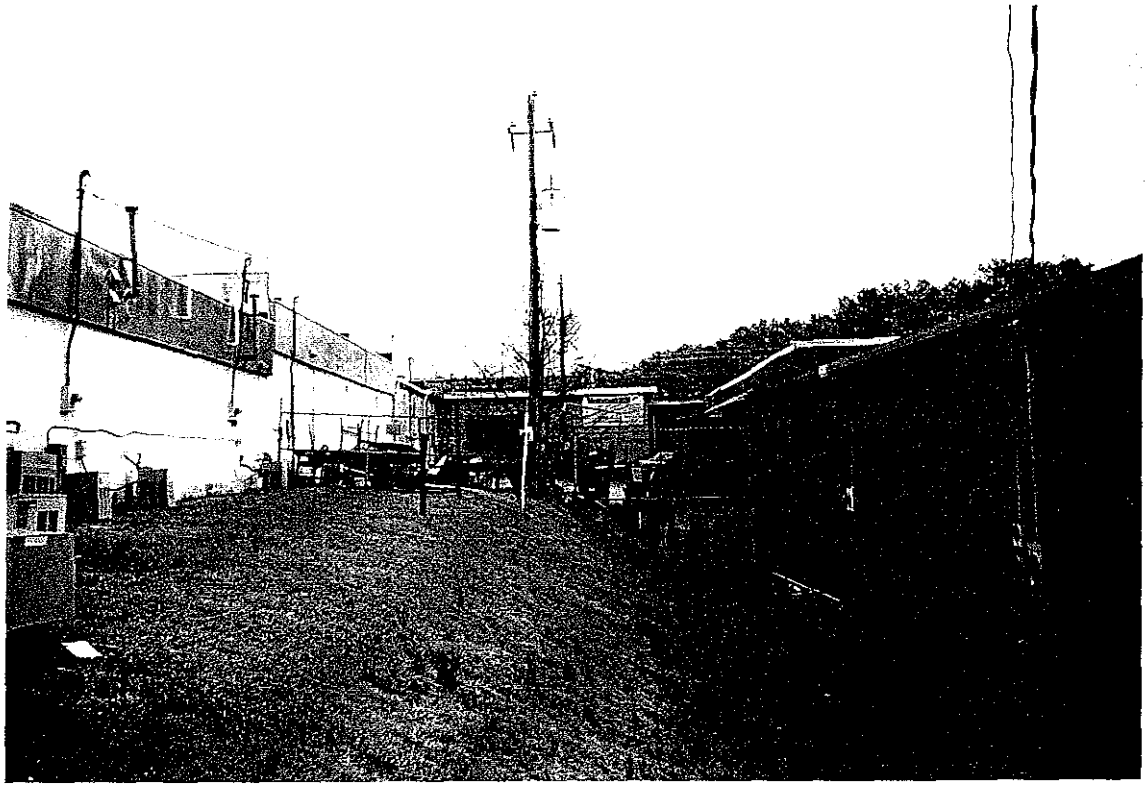


Photo # 19 View of Area between Commercial Businesses and Carpet Market

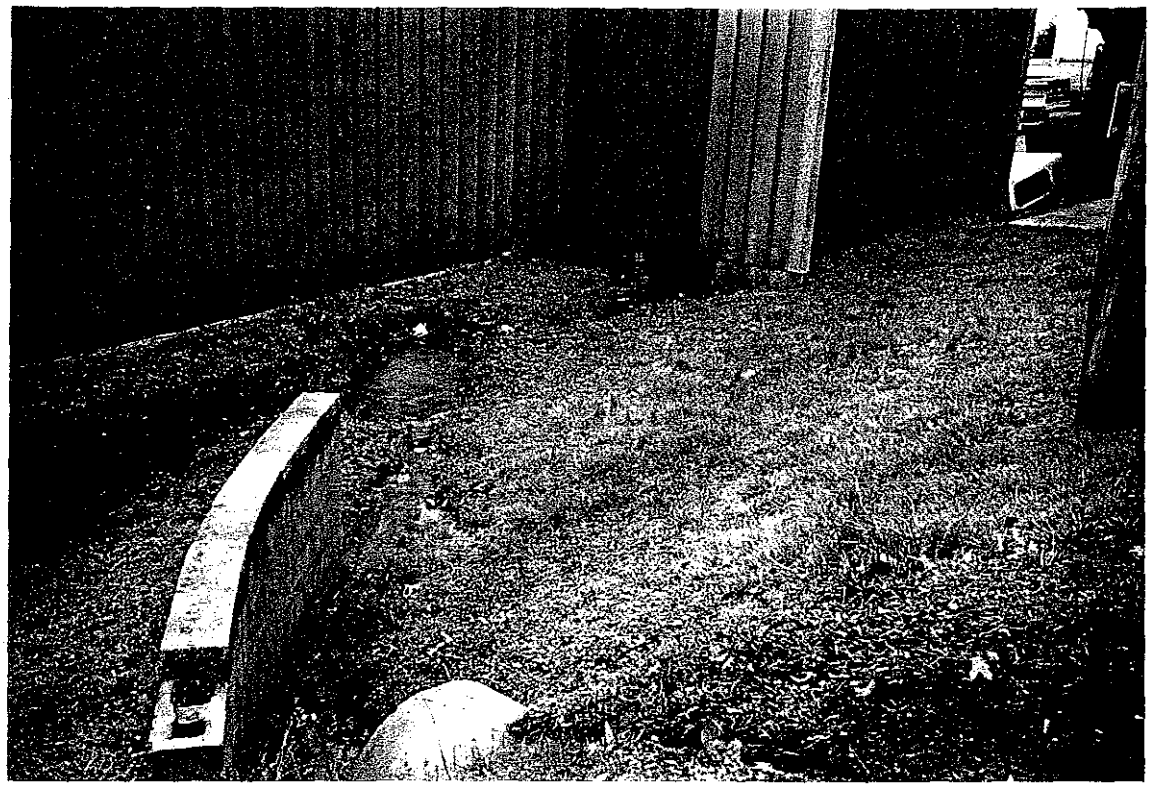


Photo # 20 View of Storm Water Drainage Commercial Businesses towards RJ Welding

Appendix B

EDR-Transaction Screen Map Report

The EDR-Transaction Screen™ Map Report

Apex Village
512 East Williams Street
Apex, NC 27502

Inquiry Number: 339748.1s

February 18, 1999

Environmental Data Resources, Inc.
an edr company

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EXECUTIVE SUMMARY

The EDR-Transaction Screen Map Report is a screening tool which maps sites with potential liability or existing environmental liabilities. Specified government databases are searched in accordance with ASTM Standard E 1528-96.

The ASTM E 1528-96 Transaction Screen property due diligence standard consists of four major components: a government records check, an historical inquiry, an owner/occupant questionnaire, and a site survey. This report contains the results of the government records search on the target property and surrounding area in accordance with the government records search requirements of the ASTM E 1528-96 standard.

The results of the government records search in accordance with **QUESTIONS 21 and 22** (page 12) of the standard indicated the following:

QUESTION 21
*Do any of the following **Federal** government record systems list the property or any property within the circumference of the area noted below:*

National Priorities List (NPL)	☐ on the property	☐ Within 1 Mile
CERCLIS List	☐ on the property	☐ Within 1/2 Mile
RCRA-CORRACTS Facilities	☐ on the property	☒ Within 1 Mile
RCRA-TSD Non-CORRACTS Facilities	☐ on the property	☐ Within 1/2 Mile

QUESTION 22
*Do any of the following **state** government record systems list the property or any property within the circumference of the area noted below:*

State equivalent to NPL	☐ on the property	☒ Within 1 Mile
State equivalent to CERCLIS	☐ on the property	☐ Within 1/2 Mile
Leaking Underground Storage Tank List (LUST)	☐ on the property	☒ Within 1/2 Mile
Solid Waste/Landfill Facilities (SWF/LS)	☐ on the property	☐ Within 1/2 Mile

*In accordance with Section 5.6 (page 9) of ASTM E 1528-96, if the answer is **(yes) or unknown,** then the user will have to decide what further action, if any, is appropriate. Answers should be evaluated in light of the other information obtained in the transaction screen process. If the user decides no further inquiry is warranted, the rationale must be documented. If the user decides that further inquiry is warranted, it may be necessary to contact an environmental professional.*

Additional Research - Non-ASTM Government Databases

To provide additional information which may assist in the assessment of other components of the ASTM E 1528-96 Transaction Screen, EDR also searches government databases ***not*** included in Questions 21 and 22 of ASTM E 1528-96. For example, by searching the state underground storage tank database (UST), it may be possible to find out if there is a registered storage tank on the target property. This information may be useful in completing the owner/occupant questionnaire, particularly Question 10.

The results of the search of these additional government records indicated affirmative **(yes)** responses on the target property for the following government databases:

No affirmative responses found in the non-ASTM E 1528-96 government databases.

The EDR-Transaction Screen™ Map Report

Apex Village
512 East Williams Street
Apex, NC 27502

Inquiry Number: 339748.1s

February 18, 1999

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Orphan Summary	11

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EPA Waste Codes	A2
Government Records Searched / Data Currency Tracking Addendum	A4

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

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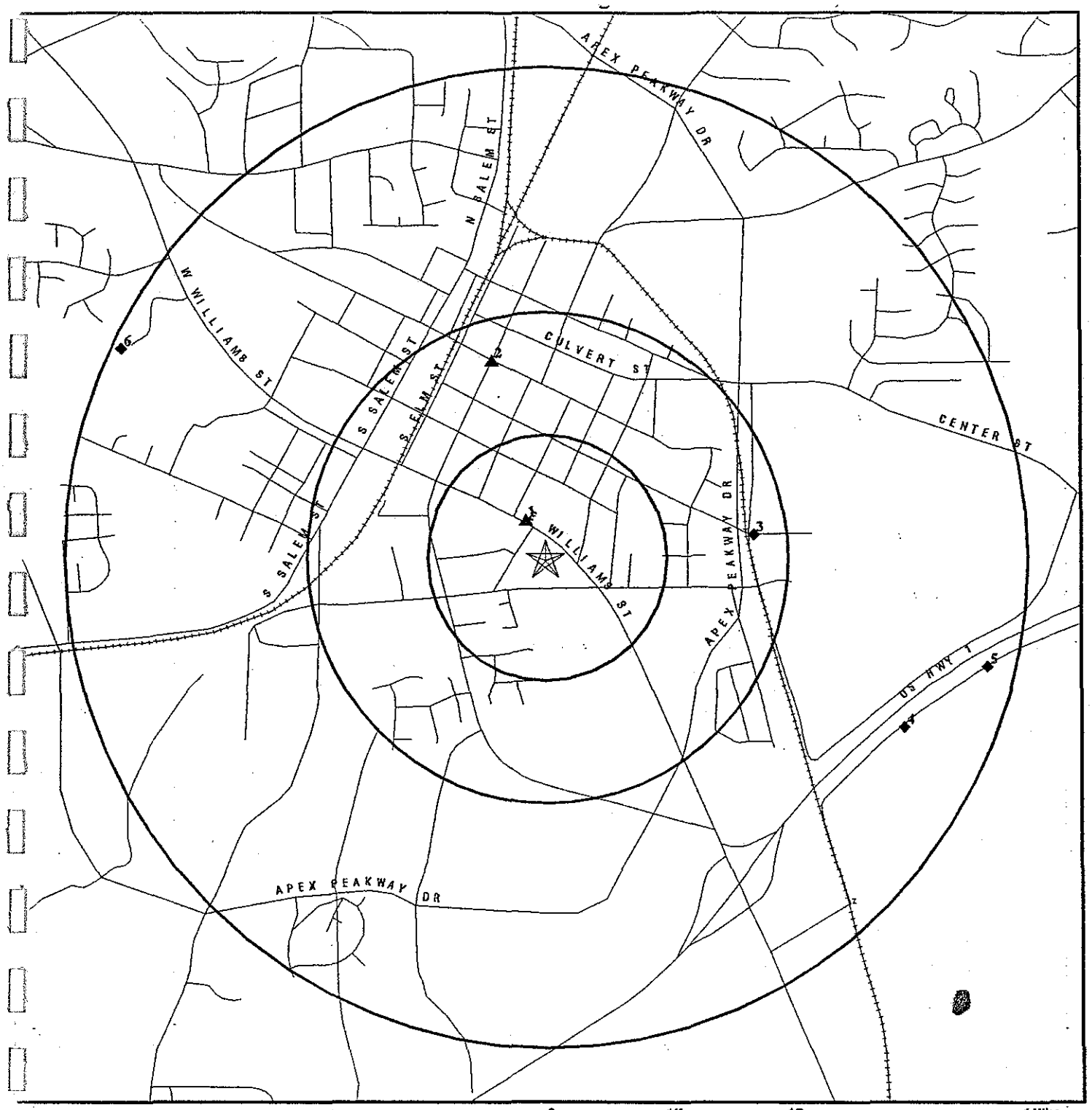

0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)
- Hazardous Substance Disposal Sites

TARGET PROPERTY:	Apex Village	CUSTOMER:	Ed Aguirre & Associaltes, Inc.
ADDRESS:	512 East Williams Street	CONTACT:	Ed Aguirre
CITY/STATE/ZIP:	Apex NC 27502	INQUIRY #:	339748.1s
LAT/LONG:	35.7328 / 78.8476	DATE:	February 18, 1999 5:07 pm

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*In accordance with Section 5.6 (page 9) of ASTM E 1528-96, if the answer is **(yes) or unknown,** then the user will have to decide what further action, if any, is appropriate. Answers should be evaluated in light of the other information obtained in the transaction screen process. If the user decides no further inquiry is warranted, the rationale must be documented. If the user decides that further inquiry is warranted, it may be necessary to contact an environmental professional.*

Additional Research - Non-ASTM Government Databases

To provide additional information which may assist in the assessment of other components of the ASTM E 1528-96 Transaction Screen, EDR also searches government databases ***not*** included in Questions 21 and 22 of ASTM E 1528-96. For example, by searching the state underground storage tank database (UST), it may be possible to find out if there is a registered storage tank on the target property. This information may be useful in completing the owner/occupant questionnaire, particularly Question 10.

The results of the search of these additional government records indicated affirmative **(yes)** responses on the target property for the following government databases:

No affirmative responses found in the non-ASTM E 1528-96 government databases.

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	1	NR	NR	1
State Haz. Waste		1.000	0	0	0	2	NR	2
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	1	2	NR	3
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	1	NR	NR	2
UST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		TP	NR	NR	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
NC HSDS		1.000	0	0	0	2	NR	2
IMD		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

HSDS
Region
SE
1/2-1
4003

COOPER INDUS INC;LUFKIN DIV
, NC

NC HSDS — **S102442457**, **N/A**

NC HSDS:

Facility Name:	COOPER INDUS INC;LUFKIN DIV		
Latitude:	35 42 53.872649	Longitude:	78 50 6.466991
Site Type:	Federal	Superfund ID #:	042 892 067

HSDS
Region
WNW
1/2-1
5000

APEX SANITARY LDFL
, NC

NC HSDS — **S102442443**, **N/A**

NC HSDS:

Facility Name:	APEX SANITARY LDFL		
Latitude:	35 43 48.867887	Longitude:	78 51 47.709669
Site Type:	Federal	Superfund ID #:	980 502 793

1
NNW
< 1/8
467
Higher

NIVISON PROPERTY
500 E WILLIAMS ST
APEX, NC

LUST — **S101524590**, **N/A**

COOPER INDUSTRIES INC LUFKIN D (Continued) **1000346079**

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	07/03/1989

FINDS:
Other Pertinent Environmental Activity Identified at Site:
- Facility has an active water discharge permit (under PCS)
- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

SHWS:
Facility ID: SIS920100666
EPA ID: NCD042892067

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5 ESE 1/2-1 4977 Lower | **TIPPER TIE INC**
LUFKIN RD
APEX, NC 27502 | **CORRACTS RCRIS-SQG FINDS RCRIS-TSD** | **1000346080 NCD063122592**

CORRACTS Data:
Prioritization: Low
Status: RCRA Facility Assessment Completed, RFI Imposition

RCRIS Corrective Action Summary:
Effective Date: 06/28/1991
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:
Owner: DOVER CORPORATION

Contact: ROME TOMCZAK
(919) 362-8811

Record Date: 05/18/1994

Classification: Small Quantity Generator, TSDF

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Schedule Evaluation (CSE)	Generator-All Requirements	04/20/1995
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/20/1995
Operation and Maintenance Inspection (OAM)	TSD-Groundwater Monitoring Requirements	
Compliance Schedule Evaluation (CSE)	Generator-All Requirements	10/01/1991

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
6 WNW 1/2-1 5177 Lower	**APEX SANITARY LANDFILL** **HWY 55** **APEX, NC 27502**	**CERC-NFRAP** **SHWS** **FINDS**	**1000439020** **NCD980502793**

CERCLIS-NFRAP Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Not reported
Ownership Status:	Other	NPL Status:	Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	19791101
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19800301
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19870915
Assessment:	SITE INSPECTION	Completed:	19880729

CERCLIS-NFRAP Alias Name(s):
APEX SANITARY LDFL

SHWS:
Facility ID: SIS920100082
EPA ID: NCD980502793

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
APEX	S103130227	CROSSWINDS MARINA, INC	SR 1008 NORTH OF US HWY 64	27502	LUST	10858
APEX	S103229467	SORRELL LANDFILL	SR 2400	27502	SHWS	SIS920100426
APEX	S102328557	EDWARDS GROCERY	HWY 55 WEST OF APEX	27502	LUST	15996
APEX	S103229036	AMERICAN CONTRACT	HWY 55	27502	SHWS	SIS920001100
APEX	S103229504	TEXACO INC/APEX	APEX / MCCULLERS RD	27502	SHWS	SIS920100517
APEX	S101572190	READY MIXED CONCRETE CO #6	PLANT 6 HWY 55	27502	LUST	8055
APEX	S103229564	WAKE COUNTY LANDFILL	SR.1172	27502	SHWS	SIS920100582
APEX	U001434855	APEX FUNERAL HOME	WILLIAMS STREET	27502	UST	0-005382
APEX	S103040644	HACK PROPERTY (JEANNE S.)	1401G E WILLIAMS ST	27502	LUST	18471

AREA RADON INFORMATION

- EPA Radon Zone for WAKE County, NC: 2

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

- EPA Radon Information for Zip Code: 27502

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

EPA Waste Codes Addendum

Code	Description
D001	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.
D002	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.
D007	CHROMIUM
D009	MERCURY
D035	METHYL ETHYL KETONE
D040	TRICHLOROETHYLENE
F001	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.
F003	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.
F005	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.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN

Code	Description
	PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F039	LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
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: 11/10/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 31
Date of Last EDR Contact: 12/02/98

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/98
Date Made Active at EDR: 01/18/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 01/13/99
Elapsed ASTM days: 5
Date of Last EDR Contact: 01/04/99

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
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).

Date of Government Version: 10/08/98
Date Made Active at EDR: 01/08/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 10
Date of Last EDR Contact: 02/08/99

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 10/01/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/28/98
Elapsed ASTM days: 32
Date of Last EDR Contact: 01/25/99

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/28/98
Elapsed ASTM days: 32
Date of Last EDR Contact: 12/22/98

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	NIVISON PROPERTY (Continued)		**S101524590**

LUST:

Incident #:	11922	Region:	RAL
Date Occurred:	12/27/93	Submit Date:	03/23/94
GW Contam:	Not reported	Soil Contam:	Y
Incident Desc:	UPON UST CLOSURE, SOIL CONTAM. WAS CONFIRMED.		
Operator:	W. B. NIVISON		
Owner:	N/A 605 TRANSYLVANIA AVE. RALEIGH, NC 27609 WAKE County		
Contact Phone:	Not reported		
Ownership:	Private	Operation:	Commercial
Material:	PETROLEUM		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Source:	Leak-underground	Type:	Gasoline/diesel
Location:	Facility	Setting:	Urban
Priority Code:	L	Priority Update:	04/16/98
Dem Contact:	Not reported		
Wells Affected:	No	Num Affected:	0
Wells Contam:	Not reported		
Sampled By:	Responsible Parties	Samples Include:	Soil Samples
7.5 Min Quad:	Not reported	5 Min Quad:	L42J
Lat/Long:	354330 / 785058	Risk Site	Yes

2 **NNW** **1/4-1/2** **2209** **Higher**	**APEX UNITED METHODIST CHURCH** **100 S HUGHES ST** **APEX, NC**	**LUST**	**S103040550** **N/A**

APEX UNITED METHODIST CHURCH (Continued) **S103040550**

LUST:

Incident #:	18475	Region:	RAL
Date Occurred:	02/09/98	Submit Date:	04/14/98
GW Contam:	Y	Soil Contam:	Not reported
Incident Desc:	SOIL SAMPLES CONTAINED UP TO 71,500 PPB TPH GAS. GW CONTAINED UP TO 1,210 PPB BENZENE, 217 PPB MEK, AND 194 PPB ACETONE.		
Operator:	UNKNOWN		
Owner:	Not reported Not reported Not reported		
Contact Phone:	Not reported		
Ownership:	Unknown	Operation:	Not reported
Material:	GASOLINE		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Material:	SOLVENTS		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Material:	HEATING OIL		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Source:	Leak-underground	Type:	Gasoline/diesel
Location:	Facility	Setting:	Urban
Priority Code:	L	Priority Update:	Not reported
Dem Contact:	Not reported		
Wells Affected:	No	Num Affected:	0
Wells Contam:	Not reported		
Sampled By:	Responsible Parties	Samples Include:	Groundwater Samples
7.5 Min Quad:	Not reported	5 Min Quad:	L42J
Lat/Long:	354348 / 785100	Risk Site	Yes

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3 East 1/4-1/2 2281 Lower **ENVIRO-CHEM ENVRNMTL SERV INC**
1005 INVESTMENT BLVD
APEX, NC 27502

CORRACTS 1000261503
PADS NCD982170292
RCRIS-SQG
FINDS
RCRIS-TSD

CORRACTS Data:
Prioritization: Low
Status: Not reported

RCRIS Corrective Action Summary:
Effective Date: 07/01/1993
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:
Owner: JERRY DEAKLE
Contact: JERRY DEAKLE
Record Date: 01/01/1993
Classification: Small Quantity Generator, TSDF, Hazardous Waste Transporter
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	08/25/1997

ENVIRO-CHEM ENVRNMTL SERV INC (Continued) **1000261503**

Compliance Evaluation Inspection (CEI) Generator-Land Ban Requirements 01/24/1990

FINDS:
Other Pertinent Environmental Activity Identified at Site:
- Facility is a PCB generator, storer, transporter or permitted disposer (under PADS)

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4 ESE 1/2-1 4322 Lower

COOPER INDUSTRIES INC LUFKIN D
LUFKIN RD
APEX, NC 27502

CORRACTS 1000346079
CERC-NFRAP NCD042892067
SHWS
FINDS
RCRIS-LQG
TRIS
RCRIS-TSD
RAATS

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Ownership Status: Other
Federal Facility: Not reported
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	19800801
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19850912
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19890214

CERCLIS-NFRAP Alias Name(s):
COOPER INDS INC LUFKIN DIV

CORRACTS Data:
Prioritization: Medium
Status: RCRA Facility Assessment Completed, RFI Imposition, RFI Workplan Approved, CMS Workplan Approved

RCRIS Corrective Action Summary:
Effective Date: 07/30/1987
Legal Authority: RCRA 3004(u) or equivalent
Effective Date: 07/30/1987
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:
Owner: COOPER INDUSTRIES INC
Contact: MATT CATON
(919) 362-7511
Record Date: 05/18/1994
Classification: Large Quantity Generator, TSDF

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	13192.00	D002	4400.00
D007	8757000.00	D009	500.00
D035	12772.00	D040	2893.00
F001	2893.00	F003	14365.00
F005	14365.00	F006	109760.00
F039	8940.00		

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 12/21/98
Date of Next Scheduled EDR Contact: 03/22/99

FINDS: Facility Index System
Source: EPA/NTIS
Telephone: 703-908-2493
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: 09/30/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/23/98
Date of Next Scheduled EDR Contact: 03/29/99

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/97
Database Release Frequency: Annually
Date of Last EDR Contact: 01/25/99
Date of Next Scheduled EDR Contact: 04/26/99

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 12/08/98
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/01/98
Date of Next Scheduled EDR Contact: 03/01/99

NPL LIENS: Federal Superfund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/23/98
Date of Next Scheduled EDR Contact: 02/22/99

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
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: 09/22/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 12/03/98
Date of Next Scheduled EDR Contact: 02/15/99

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
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: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 12/15/98
Date of Next Scheduled EDR Contact: 03/15/99

TRIS: Toxic Chemical Release Inventory System
Source: EPA/NTIS
Telephone: 202-260-1531
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: 12/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 12/28/98
Date of Next Scheduled EDR Contact: 03/29/99

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-1444
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: 12/31/94
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 01/25/99
Date of Next Scheduled EDR Contact: 04/26/99

STATE OF NORTH CAROLINA ASTM RECORDS:

LUST: Incidents Management Database
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-1315
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: 07/01/98
Date Made Active at EDR: 09/10/98
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 08/07/98
Elapsed ASTM days: 34
Date of Last EDR Contact: 02/01/99

SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 03/31/98
Date Made Active at EDR: 10/15/98
Database Release Frequency: Annually
Date of Data Arrival at EDR: 08/10/98
Elapsed ASTM days: 66
Date of Last EDR Contact: 01/28/99

LF: List of Solid Waste Facilities
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-0692
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/16/98
Date Made Active at EDR: 10/29/98
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/11/98
Elapsed ASTM days: 79
Date of Last EDR Contact: 02/02/99

UST: Petroleum Underground Storage Tank Database
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-1308
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: 10/15/98
Date Made Active at EDR: 12/24/98
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 10/20/98
Elapsed ASTM days: 65
Date of Last EDR Contact: 12/14/98

STATE OF NORTH CAROLINA NON-ASTM RECORDS:

IMD: Incident Management Database
Source: Department of Health and Natural Resources
Telephone: 919-733-1315

Date of Government Version: 07/01/98
Database Release Frequency: N/A
Date of Last EDR Contact: 02/01/99
Date of Next Scheduled EDR Contact: 05/03/99

HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 12/08/98
Date of Next Scheduled EDR Contact: 03/08/99

Historical and 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.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entities other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

DELISTED NPL: NPL Deletions
Source: EPA
Telephone: 703-603-8769
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: 10/08/98
Date Made Active at EDR: 01/08/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 10
Date of Last EDR Contact: 02/08/99

NFRAP: No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (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. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 11/10/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 31
Date of Last EDR Contact: 12/02/98

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1996 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 March 1997 from the U.S. Fish and Wildlife Service.

Appendix C

UST Closure Report

W B Nivison
605 Transylvania Ave.
Raleigh, NC 27609

February 11, 1999

To: Whom It May Concern

From: W B Nivison

Subject: Underground Oil Storage Tanks At Apex Village Center

In the mid 1970's we acquired the property now know as Apex Village Center. At the time there was a self service gasoline station in operation.

In 1982 the gasoline station was closed the tanks were pumped dry and the pumps removed. In 1993 we decided to remove the underground tanks in accordance with DEHNR guide lines. We employed Froehling and Robertson, Inc. to supervise all details of the tank removal and to take quarterly ground water samples through 1994 as required.

Attached is a copy of DEHNR letter of April 20, 1994 and Froehling and Robertson , Inc.'s final letter of February 6, 1995. We met all DEHNR requirements and were reimbursed for the allowed portion of our expenditures which totaled over SIXTY TWO THOUSAND DOLLARS ($62,000.00).

Sincerely,

W B Nivison

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Environmental Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
A. Preston Howard, Jr., P.E., Director

DEHNR

GROUNDWATER SECTION

April 20, 1994

Mr. W. B. Nivison
605 Transylvania Avenue
Raleigh, North Carolina 27609

RE: W. B. Nivison
500 block of E. Williams Street
Apex, Wake County

Dear Mr. Nivison:

This letter is to acknowledge receipt of and respond to your request for eligibility determination for access to the North Carolina Leaking Petroleum Underground Storage Tank Cleanup Funds for the above-referenced site. Review of your request by the Raleigh Regional Office and the Raleigh Central Office is now complete.

Information supplied to the State Trust Fund indicates that one 10,000-gallon and two 8,000-gallon gasoline underground storage tanks have a reported release. All tanks were removed from the ground on December 27 and 28, 1993; however, releases were detected from each tank on December 21, 1993 during initial assessment activities. Since the tanks were taken out of operation in 1982, no tank operating fees were due.

Based on the aforementioned information, the State Trust Fund finds this incident conditionally eligible for reimbursement from the Commercial Trust Fund. In order to remain eligible, you must continue to proceed with corrective action, as required. Failure to mitigate the spread of contamination may cause you to be determined to be ineligible to receive reimbursement from the Commercial Trust Fund.

Finally, in accordance with N.C.G.S. 143-215.94E, only reasonable and necessary costs incurred in the environmental cleanup of this site will be eligible for reimbursement after payment of the first $20,000 of these costs.

P.O. Box 29535, Raleigh, North Carolina 27626-0535 Telephone 919-733-7015 FAX 919-733-2496
An Equal Opportunity Affirmative Action Employer 50% recycled/ 10% post-consumer paper

Please confer with either this office or the Raleigh Regional Office should there be any questions regarding completion of reimbursement forms, or activities that may require additional cost documentation prior to implementation, such as soil or groundwater remediation systems.

If I may be further of assistance, please do not hesitate to contact me at (919) 733-1332.

Sincerely,

George C. Matthis, Jr.

George C. Matthis, Jr., Supervisor
State Trust Fund Group

GCM/linger.stf

cc: Keith Edwards
J. D. Solomon, P.E.
Froehling & Robertson, Inc.
Post Office Box 2551
Raleigh, N.C. 27602

FROEHLING & ROBERTSON, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
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1881

P. O. Box 2551, Raleigh, NC 27602
Telephone: (919) 828-3441
FAX No.: (919) 828-5751

February 6, 1995

Mr. W. B. Nivison
c/o Rural Heating & Plumbing
605 Transylvania Avenue
Raleigh, NC 27609

Re: Groundwater Monitoring Report
Fourth Quarter 1994
W. B. Nivison Property
500 Block of E. Williams Street
Apex, North Carolina

Dear Mr. Nivison:

Froehling & Robertson, Inc. (F&R) personnel visited the above-referenced site on December 7, 1994 to measure groundwater levels and collect groundwater samples from all accessible site wells (Appendix A, Drawing No. 1).

The groundwater level measurements from December 7, 1994, as well as previous groundwater data, are presented in Table 1; a groundwater elevation contour map for December 7, 1994 is presented as Appendix A, Drawing No. 2. Groundwater flow across the site on December 7, 1994 was to the southeast with an approximate hydraulic gradient of 0.033. The depths to groundwater documented during the fourth quarter of 1994 are generally consistent with previous data from the site; however, the groundwater flow direction appears to have shifted approximately 45° to the east.

Groundwater quality results from the fourth quarter 1994 sampling event, as well as previous groundwater quality data, are summarized in Table 2; a benzene isoconcentration map for December 7, 1994 is presented as Appendix A, Drawing No. 3. The laboratory report and chain-of-custody forms are attached as Appendix B. Groundwater samples collected from MW-1 through MW-4 were analyzed for volatile and semi-volatile hydrocarbons by EPA Methods 601, 602 and 625, respectively, and for lead by EPA Method 3030C.

No contaminants were detected by any of the analyses in excess of method detection limits; consequently, no compounds were present in groundwater in excess of the standards outlined in the North Carolina Administrative Code, Title 15A. Subchapter 2L. The results of the fourth quarter 1994 sampling event are consistent with previous groundwater quality data from the site.

F&R appreciates the opportunity to have provided environmental consulting services on this project. Please contact us at your earliest convenience with any questions or comments concerning this information.

Respectfully,

FROEHLING & ROBERTSON, INC.

J. D. Solomon, P.E.
Project Manager

NORTH CAROLINA PROFESSIONAL SEAL 18650 ENGINEER JOHN D. SOLOMON, JR.

JDS:mc

W. B. NIVISON
500 BLOCK OF E. WILLIAMS STREET
APEX, NORTH CAROLINA

GROUNDWATER LEVEL MEASUREMENTS

Well I.D.	Top of Casing Elevation*	Date	Depth to Groundwater **	Corrected Groundwater Table Elevation *
MW-1	98.19	06-14-94	11.90	86.29
		12-07-94	11.49	86.70
MW-2	97.43	06-14-94	10.93	86.50
		12-07-94	11.34	86.00
MW-3	100.82	06-14-94	11.85	88.97
		12-07-94	11.85	88.97
MW-4	98.85	06-14-94	11.97	86.88
		12-07-94	12.12	86.73

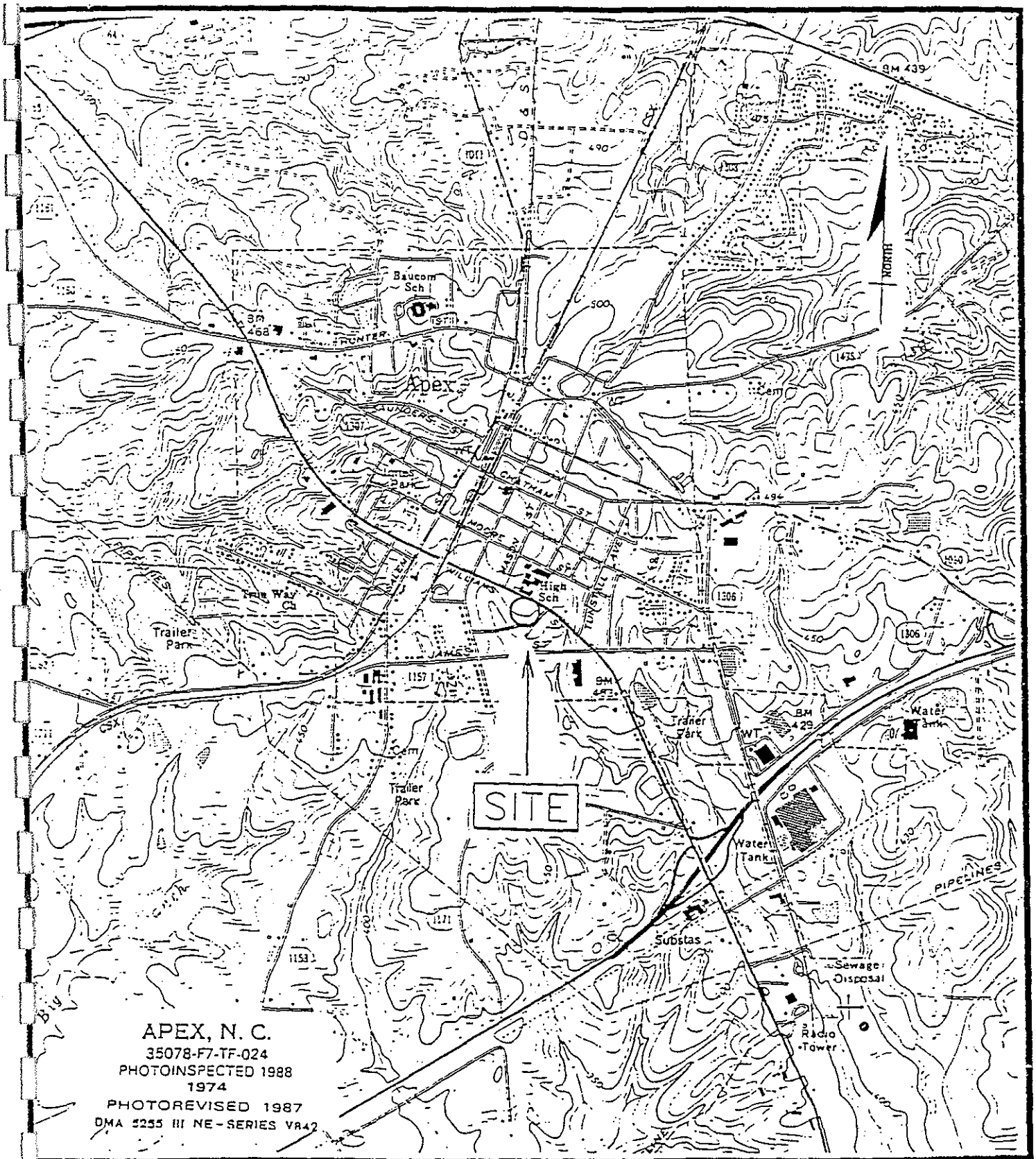
* feet above mean sea level
** feet below top of casing
NOTE: MW-1 is "deep" well

W. B. NIVISON
500 BLOCK OF E. WILLIAMS STREET
APEX, NORTH CAROLINA

GROUNDWATER QUALITY RESULTS *

Well I.D.	Date	B	T	E	X	Total BTEX	MTBE	1-2 DCA	Lead (ppm)
MW-1	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.131
	12-07-94	<1	<1	<1	<3	<6	<5	<1	<0.001
MW-2	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.153
	12-07-94	<1	<1	<1	<3	<6	<5	<1	0.0010
MW-3	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.015
	12-07-94	<1	<1	<1	<3	<6	<5	<1	0.0148
MW-4	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.010
	12-07-94	<1	<1	<1	<3	<6	<5	<1	0.0025

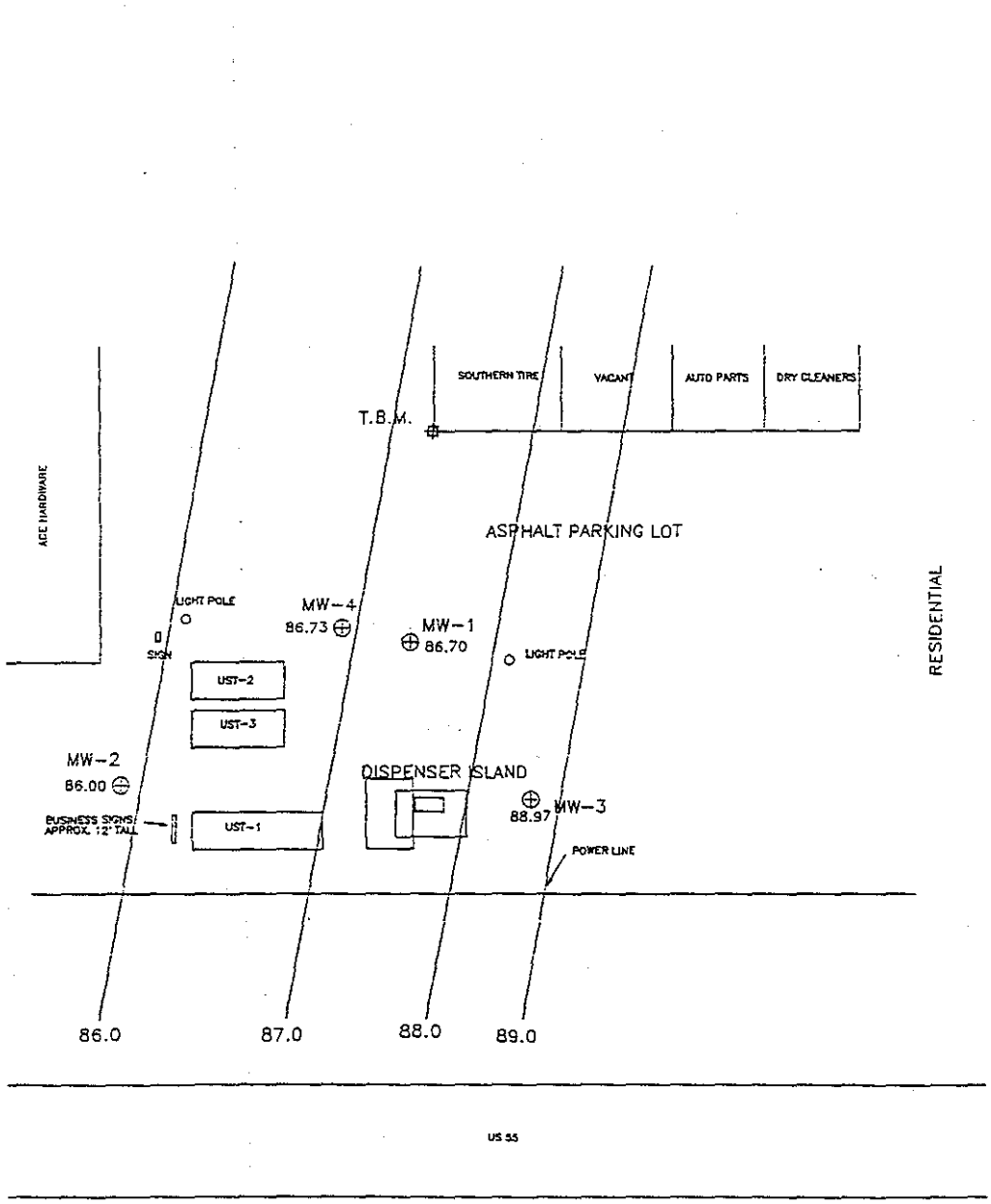
* All results in parts per billion.



FROEHLING & ROBERTSON, INC.

GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
ENGINEERS • LABORATORIES
RALEIGH, NC

CLIENT	W.B. NIVISON
PROJECT	TANK REMOVAL
LOCATION	APEX, N.C.
DRAWN	MJB
CHECKED	JDS
DATE: 2/94	SCALE: 1" = 2000' | DRAWING No.: 1



SITE PLAN WITH GROUNDWATER CONTOURS (DECEMBER 1994)

SINCE 1851

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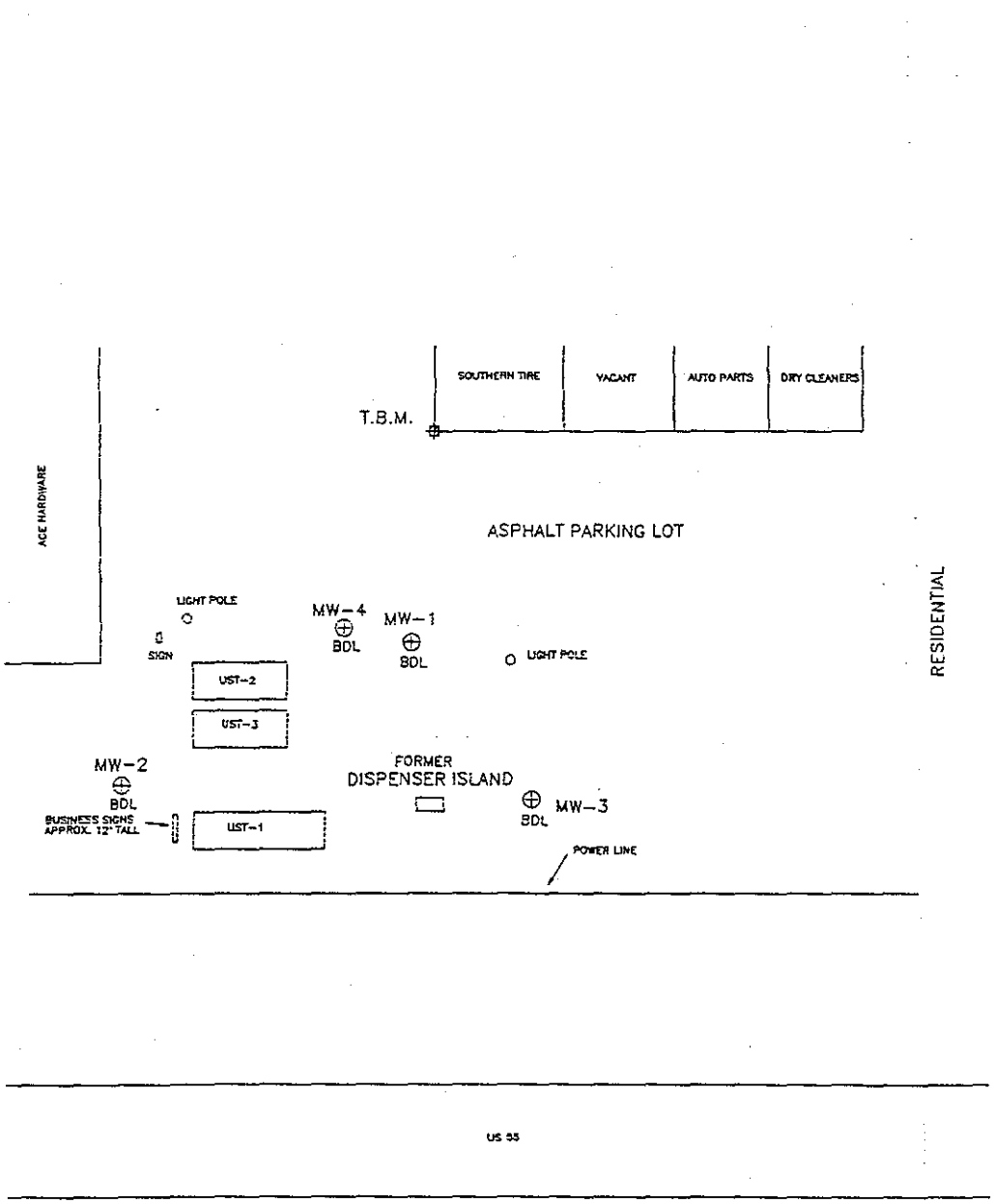
RALEIGH, NC

CLIENT	W.B. NIVISON
PROJECT	W66-242
LOCATION	APEX, N.C.
DRAWN	MJB
CHECKED	JDS
DATE: 7/94	SCALE: 1" = 40' DRAWING No.: 2



SITE PLAN WITH BENZENE ISOCONTOURS
(DECEMBER 1994)

SINCE 1881

FROEHLING & ROBERTSON, INC.

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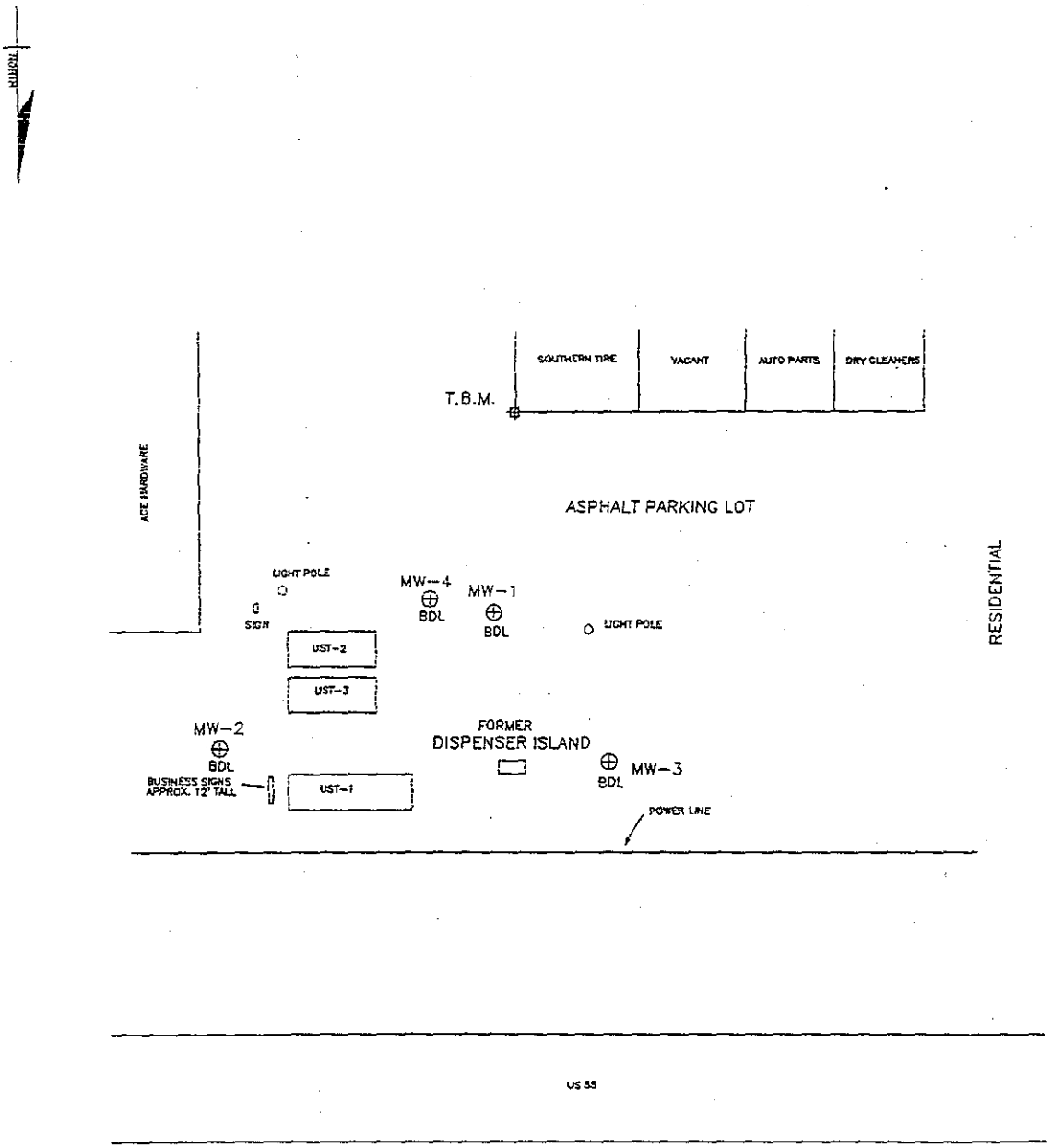
ENGINEERS • LABORATORIES
RALEIGH, NC

CLIENT	W.B. NIVISON	
PROJECT	W66-242	
LOCATION	APEX, N.C.	
DRAWN	MJB	
CHECKED	JDS	
DATE: 7/94	SCALE: 1" = 40'	DRAWING No.: 3



SITE PLAN SHOWING LEAD CONCENTRATIONS
(DECEMBER 1994)

SINCE 1881

FROEHLING & ROBERTSON, INC.

GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
ENGINEERS • LABORATORIES
RALEIGH, NC

CLIENT	W.B. NIVISON	
PROJECT	W66-242	
LOCATION	APEX, N.C.	
DRAWN	MJB	
CHECKED	JDS	
DATE: 7/94	SCALE: 1" = 40'	DRAWING No.: 4

APPENDIX B

CHEMICAL ANALYSIS RESULTS

FROEHLING & ROBERTSON, INC.
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CERTIFICATE OF ANALYSIS

December 28, 1994

LAB #: 9412101
CLIENT: F&R Raleigh
Attn: J.D. Solomon

PROJECT: Apex/Nivison
PROJECT #: W66-242
SAMPLES COLLECTED BY: C. Seabright
LAB RECEIPT: 12/14/94, 1049

PARAMETER	ANALYSIS DATE/TIME	METHOD	ANALYST
Purgeable Halocarbons/Aromatics	12/22/94, 1316	EPA 601/602	IMS

RESULTS:

Results appear on the following page.

Audrey N. Brubeck
Audrey N. Brubeck
Laboratory Supervisor

AB/lcs

HEADQUARTERS: 3015 DUMBARTON ROAD • BOX 27524 • RICHMOND, VA 23261-7524
TELEPHONE (804) 264-2701 • FAX (804) 264-1202

BRANCHES: ASHEVILLE, NC • BALTIMORE, MD • CHARLOTTE, NC • CHESAPEAKE, VA
CROZET, VA • FAYETTEVILLE, NC • FREDERICKSBURG, VA
GREENVILLE, SC • RALEIGH, NC • ROANOKE, VA • STERLING, VA

RESULTS:

F&R #:	9412101-01	9412101-02	9412101-03	9412101-04	
SAMPLE ID:	MW-1	MW-2	MW-3	MW-4	
DATE/TIME:	12/07/94, 1345	12/07/94, 1245	12/07/94, 1200	12/07/94, 1445	
TYPE:	Water/Grab	Water/Grab	Water/Grab	Water/Grab	
					Det'n Limit:
Halogenated Volatiles (µg/L):					
Bromodichloromethane	BDL	BDL	BDL	BDL	1
Bromoform	BDL	BDL	BDL	BDL	1
Bromomethane	BDL	BDL	BDL	BDL	1
Carbon tetrachloride	BDL	BDL	BDL	BDL	1
Chlorobenzene	BDL	BDL	BDL	BDL	1
Chloroethane	BDL	BDL	BDL	BDL	1
2-Chloroethyl vinyl ether	BDL	BDL	BDL	BDL	40
Chloroform	BDL	BDL	BDL	BDL	1
Chloromethane	BDL	BDL	BDL	BDL	1
Dibromochloromethane	BDL	BDL	BDL	BDL	1
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	1
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	1
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	1
Dichlorodifluoromethane	BDL	BDL	BDL	BDL	1
1,1-Dichloroethane	BDL	BDL	BDL	BDL	1
1,2-Dichloroethane	BDL	BDL	BDL	BDL	1
1,1-Dichloroethene	BDL	BDL	BDL	BDL	1
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	1
1,2-Dichloropropane	BDL	BDL	BDL	BDL	1
cis 1,3-Dichloropropene	BDL	BDL	BDL	BDL	1
trans 1,3-Dichloropropene	BDL	BDL	BDL	BDL	1
Methylene chloride	BDL	BDL	BDL	BDL	1
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	1
Tetrachloroethene	BDL	BDL	BDL	BDL	1
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	1
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	1
Trichloroethene	BDL	BDL	BDL	BDL	1
Trichlorofluoromethane	BDL	BDL	BDL	BDL	1
Vinyl chloride	BDL	BDL	BDL	BDL	1
Volatile Aromatics (µg/L):					
Benzene	BDL	BDL	BDL	BDL	1
Toluene	BDL	BDL	BDL	BDL	1
Ethylbenzene	BDL	BDL	BDL	BDL	1
Xylenes	BDL	BDL	BDL	BDL	3
EDB (µg/L)	BDL	BDL	BDL	BDL	5
MTBE (µg/L)	BDL	BDL	BDL	BDL	5
IPE (µg/L)	BDL	BDL	BDL	BDL	5

µg/L: Microgram per liter BDL: Below detection limit

CHAIN OF CUSTODY RECORD

Please Print CLIENT [illegible]
ADDRESS
ATTN
PHONE/FAX [illegible]

FROEHLING & ROBERTSON,
P.O. BOX 27524
RICHMOND, VIRGINIA 23261
TEL:(804) 264-2701
FAX: (804) 264-1202

LAB PROJECT #

PROJECT NAME/NUMBER - Please Print: [illegible]

SAMPLED BY — Please Print: [illegible]

LAB I.D.	DATE	TIME		GRAB	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE (MATRIX)	REQUESTED TEST PARAMETERS - Please Print										
01	[illegible]	[illegible]		X	MW 1	3	Water	✓										
02	[illegible]	12:45		X	MW 2	3	Water	✓										
03	[illegible]	12:00		X	MW 3	3	Water	✓			✓							
04	[illegible]	2:45		X	MW 4	3	Water	✓			✓							

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	12/13/91	9:00	[illegible]	12/13/91	10:00
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY	DATE	TIME

SHIPPED VIA [illegible] DATE 12/13/91

FIELD COMMENTS: Please Print

pH _____ TEMP. _____

CHAIN OF CUSTODY RECORD

Please Print CLIENT
ADDRESS
ATTN
PHONE/FAX

FROEHLING & ROBERTSON
P.O. BOX 27524
RICHMOND, VIRGINIA 23261
TEL:(804) 264-2701
FAX: (804) 264-1202

LAB PROJECT #	PROJECT NAME/NUMBER - Please Print
9501032	NIVISON

SAMPLED BY — Please Print: Chuck Seabright

	LAB I.D.	DATE	TIME			SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE (MATRIX)	REQUESTED TEST PARAMETERS - Please Print: 8260										
1	MW-1	1-5-95	11:30			MW-1	1	water	✓										
2	MW-2	1-5-95	12:00			MW-2	1	"	✓										
3	MW-3	1-5-95	12:30			MW-3	1	"	✓										
4	MW-4	1-5-95	1:00			MW-4	1	"	✓										

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	1-5-95	2:00	Grace DeRose	1/6/95	1019
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY	DATE	TIME

SHIPPED VIA _____ DATE _____

FIELD COMMENTS: Please Print

pH _____ TEMP. _____

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CERTIFICATE OF ANALYSIS

January 9, 1995
Revised: January 30, 1995

LAB #: 9501032
CLIENT: F&R Raleigh
Attn: J.D. Solomon

PROJECT: Nivison
SAMPLES COLLECTED BY: C. Seabright
LAB RECEIPT: 01/06/95, 1019

PARAMETER	ANALYSIS DATE/TIME	METHOD	ANALYST
Lead	01/27/95, 0930	EPA 239.2	RHS/TLS
Metals - prep	01/06/95, 1130	SM17/3030C	TLS

RESULTS:

F&R #:	9501032-01	9501032-02	9501032-03	95101032-04	
SAMPLE ID:	MW-1	MW-2	MW-3	MW-4	
DATE/TIME:	01/05/95, 1130	01/05/95, 1200	01/05/95, 1230	01/05/95, 1300	
TYPE:	Water	Water	Water	Water	
					Det'n Limit:
Lead	BDL	0.0010	0.0148	0.0025	0.001 mg/L

mg/L: Milligram per liter **BDL:** Below detection limit

Audrey N. Brubeck
Audrey N. Brubeck
Laboratory Supervisor

AB/lcs

HEADQUARTERS: 3015 DUMBARTON ROAD • BOX 27524 • RICHMOND, VA 23261-7524
TELEPHONE (804) 264-2701 • FAX (804) 264-1202

BRANCHES: ASHEVILLE, NC • BALTIMORE, MD • CHARLOTTE, NC • CHESAPEAKE, VA
CROZET, VA • FAYETTEVILLE, NC • FREDERICKSBURG, VA
GREENVILLE, SC • RALEIGH, NC • ROANOKE, VA • STERLING, VA

Appendix D

List of Tenants

List of Tenants

- Tricia's Nails
- Yours and Mine Hair Design
- Carolina Architectural Wood work
- Marcia & Friends (catering)
- Carolina Medical Sales
- Apex Printing
- Electronic Assembly
- Em R Wings
- Station 4 Travel
- Designer Work Room
- Roscoe & Roscoe
- Molly maid
- Clark Security Systems
- Apex village Chiropractor
- Barrington Homes
- J & S New York Pizza
- Ultimate Expression
- Apex Acupuncture
- All Pro Super Auto Parts

- Apex ACE Hardware
- H & R Block
- Apex pride CarWash
- Carpet Market, Inc.
- R J Mechanical Welding and Custom Exhaust

APPENDIX E

PHASE I AND II ESA – MILL CREEK ENVIRONMENTAL SERVICES, INC
JANUARY 2013

January 29, 2013

Mr. Ben Fisher
New Falls Property, LLC
PO Box 3807
Cary, North Carolina 27519
benfisher@mac.com

Subject: **Phase I and II ESA Report**
Apex Village
500-610 East Williams Street
Apex, North Carolina 27501

Dear Mr. Fisher,

Mill Creek Environmental Services, Inc. (MCES) has completed a Phase I Environmental Site Assessment (ESA) for the subject property. Based upon our observations and information gathered during the Phase I ESA, MCES identified the presence of "Recognized Environmental Conditions" (RECs) as defined by ASTM Standard Practice E 1527-05. For this reason, a Phase II ESA was recommended and then completed concurrently with the Phase I ESA.

The results of the Phase II ESA indicate the presence of regulated compounds in soil and groundwater at this property. Concentrations of regulated compounds detected soil did not exceed the NCDNER remediation goals established for those compounds. Concentrations of regulated compounds detected in groundwater exceeded the NCDENR remediation goals for naphthalene and tetrachloroethene.

Although regulated compounds were detected in groundwater in excess of their remediation goals, the concentrations detected were very low and do not indicate a significant release of these compounds at this property. Due to the limited nature of the Phase II ESA sampling plan, it is possible that higher concentrations of these compounds exist at other locations on the property, however, data collected to date does not necessarily indicate that additional regulatory action will be required.

The naphthalene detected appears to be residual contamination from the former USTs on the north side of the Subject Property. Based on the assumption that these compounds are remnants from the former UST site that has received a “Closed Out” status from the NCDENR, reporting to NCDENR would not be required for that location. The source of tetrachloroethene (“perc”) remains unknown, but is suspected to be from the dry cleaner formerly located on the property. NCDENR requires reporting of all detected compounds identified in soil or groundwater, unless they are attributed to another regulated source (such as the formerly “Closed Out” UST). In order to determine if additional regulatory action will be required, the property owner should submit data obtained and applicable reporting forms to the NCDENR for review to report the detection of “perc” at GW-2. Based on the

available data, no significant regulatory clean-up actions are anticipated once the information is submitted.

The need for additional sampling and/or potential liability estimations is based on the business purpose of the buyer and their level of tolerance for potential liabilities. If the buyer has a high tolerance for the presence of these minor contaminants in soil and groundwater, then no additional action may be appropriate. If the buyer would like a higher level of assurance, we would recommend additional soil and groundwater sampling upgradient of the "perc" detection to determine if higher levels of contaminants are present in those locations behind the former dry cleaner. Once this is determined, an estimate of the potential liability associated with the suspected release of that compound could be prepared.

Based on the findings of the Phase I ESA and the Phase II Subsurface Investigation, MCES recommends the following for this property:

- Work with the existing tenants to implement best management practices for the storage, use, and handling of petroleum products and other regulated compounds to prevent future impacts to the soil and groundwater at the Subject Property;

- Remove the existing UST from the ground, collect additional soil samples from beneath the tank and submit a UST closure report in compliance with NCDENR UST closure guidance; and,

- Submit the data contained in this report and the data obtained during the UST closure to NCDENR accompanied by the applicable reporting forms. The reporting submittal should be accompanied by the Phase II ESA with a request for no additional regulatory action (if appropriate following UST closure.)

Attached is the Phase I and II ESA Report for the subject property. Please review and feel free to call the undersigned if you have questions, comments, or if we can assist in implementing our recommendations.

Sincerely,
MILL CREEK ENVIRONMENTAL SERVICES, INC.

Jake Irwin
Project Manager

Dan Centofanti, P.G.
Program Manager

Phase I Environmental Site Assessment
and
Limited Phase II Subsurface Investigation

of

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina

Prepared for:

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January 2013

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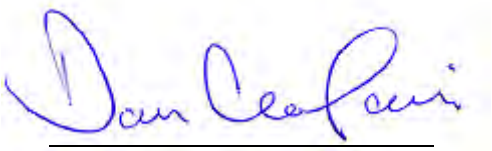
1 CERTIFICATION

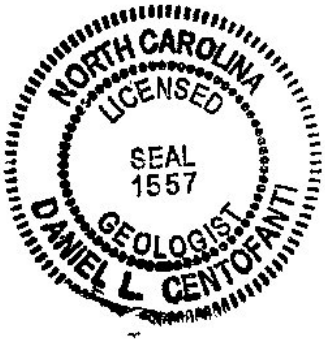
I have performed this Assessment in accordance with generally accepted environmental practices and procedures as of the date of this Report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this Assessment are based upon site conditions readily observed or were reasonably ascertainable and present at the time of the site inspection, reasonably ascertainable regulatory information, and reasonably ascertainable historical information.

The Scope of this Assessment does not purport to encompass every report, record, or other form of documentation relevant to the Property being evaluated. To the best of my knowledge, this Environmental Site Assessment has been performed in compliance with ASTM Standard 1527-05 for Phase I Environmental Site Assessments and ASTM Standard 1903-11 for Phase II Environmental Site Assessments.

We declare that, to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the Subject Property. We have developed and performed the all appropriate inquiries in conformance with the standards and practices set forth in 40 CFR Part 312. Professional Qualifications are included in **Appendix A**.

Directed By:





Dan Centofanti, PG
Senior Geologist

January 28, 2013

2 INTRODUCTION

Mill Creek Environmental Services, Inc. (MCES) has completed a Phase I Environmental Site Assessment (ESA) and a Limited Phase II Subsurface Investigation for the property located at 500-610 East Williams Street in Apex, Wake County, North Carolina. The Phase I ESA was performed in accordance with the American Society for Testing and Materials (ASTM) Standard Practice E 1527-05. The Phase II was performed in accordance with ASTM Standard Practice E 1903-11.

2.1 Purpose

The purpose of a Phase I ESA is to identify the presence of "Recognized Environmental Conditions" (RECs) as defined by ASTM. A "recognized environmental condition" is defined by the 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."

2.2 Scope of Work

The following tasks were completed during the performance of the Phase I ESA:

- **TASK 1-** Acquisition and Review of Data on the Historical Use of the Property;
- **TASK 2-** Environmental Agency Database Review;
- **TASK 3-** Site Reconnaissance;
- **TASK 4-** Personal Interviews;
- **TASK 5-** Contacts with Local Officials;
- **TASK 6-** Reporting of Results.

2.3 Limitations

The report and any other information which MCES prepared and submitted to New Falls Property, LLC **(*the user*)** in connection with this project (the "Report") are for the sole use and benefit of ***the user*** and may not be used or relied upon by any other person or entity without the prior written consent of ***the user*** and MCES, except as provided for specifically in the agreement. Any such consent given by MCES will be deemed to be and will be subject to the terms and conditions as MCES may reasonably require, including without limitation a monetary limit to MCES' liability to any person granted such consent (the "Grantee"), and any such Grantee will be deemed to have agreed to such

terms and conditions by its use and reliance on the Report. The use or re-use of this document or the findings, conclusions, or recommendations presented herein, by any other party or parties is at the sole risk of said user.

MCES and ***the user*** agree that (1) the information in the Report relates only to the property specifically described in the Report and was presented in accordance with and subject to the scope of work described in the Report or specifically agreed to by MCES and ***the user***; (2) the information and conclusions provided in the Report apply only to the Subject Property as it existed at the time of MCES' 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 Report may no longer apply; (3) MCES makes no representations regarding the value or marketability of this property or its suitability for any particular use, and none should be inferred based on the Report; (4) the Report is intended to be used in its entirety and no excerpts may be taken to be representative of the findings of this investigation; and (5) environmental land-use issues and constraints of possible relevance (e.g., wetland surveys, sensitive habits, radon, lead paint, asbestos, etc.), were not included in this scope of services.

3 SITE DESCRIPTION

The Subject Property is located on at 500-610 East Williams Street, Apex, Wake County, North Carolina and is composed of one parcel of land with an area of approximately 5.74 acres. This property is currently occupied by Apex Village Business Center, (a multi-tenant commercial development) and is referred to in this report as the "Subject Property". The Subject Property is a single tract bordered by East Williams Street to the north, James Street to the south, Short Street to the west, and an unnamed tributary of Middle Creek to the east.

The Subject Property is located in a commercial and residential area of Apex, North Carolina. Improvements to the Subject Property include five commercial buildings with a total enclosed area of approximately 68,600 square feet. The remaining property is composed of an asphalt parking lot and landscaped areas. Current tenants include a variety of small businesses including restaurants, professional offices, auto repair shops, and retail stores. Noteworthy tenants include Southern Tire Sales, R&J Auto Repair, and Carquest Auto Parts.

The Subject Property is served by water, electric, natural gas, sanitary sewer, and telephone utilities.

A site location map is presented as **Figure 1**. An aerial photo showing the Subject Property and adjoining properties is provided as **Figure 2**. Photographs of the Subject Property are provided in **Appendix B**.

3.1 Soils and Geology/Hydrogeology

Based on MCES' review of the United States Geologic Survey (USGS) 7.5-minute topographic quadrangle map titled Apex, North Carolina, the Subject Property is situated at an elevation of approximately 470 feet above mean sea level (msl). The Subject Property has a gently sloping downward topographic gradient to the southeast.

The Subject Property is situated in the Piedmont Physiographic Province of North Carolina. The geology of this area is characterized by sedimentary and metamorphic rock from the late Proterozoic to early Paleozoic era. Lithologies below the property include rock such as gneiss, schist, and amphibolite. These rocks weather to form a reddish-brown soil called residuum, which consists of various amounts of sand, clay and silt mixtures.

Based on review of available information, the most common soil type found in the vicinity of the Subject Property belongs to the Mayodan soil series. Mayodan soil is a sandy loam to and silty clay that belongs to Hydrologic Class "B" and exhibits moderate infiltration rates.

The depth to groundwater at the site ranges from approximately 8 to 10 feet below ground surface (BGS) based on observations made during the soil and groundwater sampling activities conducted as part of the Phase II subsurface investigation completed on January 23, 2013. The direction of groundwater flow at the site is unknown, but based on the topography of the site it appears to flow to the southeast towards a tributary of Middle Creek.

3.2 Site Hydrology

Storm water runoff at the Subject Property is directed into a variety of drop inlets and drainage channels and is directed into an unnamed tributary of Middle Creek on the southeastern side of the Subject Property. No visible evidence of potential exposure to hazardous chemicals or petroleum products associated with storm water runoff onto the Subject Property was observed. Oil drums and other materials stored in the courtyard on the west side of Southern Tire Sales create the potential for petroleum contaminated storm water to flow off of the property into state waters.

3.3 Surrounding Land Use

The Subject Property is located in an area of residential and commercial land use south of downtown Apex. The land use on the adjoining properties is described in the sections below.

North: Apex Middle School

South: James Street, Residential and Wooded

East: Commercial

West: Short Street, Residential and Commercial

MCES identified one adjoining property that has the potential to create a recognized environmental condition. An underground storage tank (UST) and dispenser are located at the private residence at 426 Cooke Street to the west of the Subject Property. Surrounding land use is illustrated in **Figure 2**.

4 SITE DEVELOPMENT HISTORY

Historical information regarding the subject property was obtained from personal interviews, review of aerial photos available from public sources, review of a previous ESA report provided by the User, and a review of historical City Directory listings. Based these reviews, it appears that the Subject Property

was occupied by a private residence and Triplett CC Grading Contractors Company in 1967. Between 1967 and 1988 the property was developed into its current configuration. Former tenants included an auto parts store, a dry cleaning establishment, a gas station/convenience store, and a variety of other businesses. The site has not been significantly altered since 1988.

4.1 Personal Interviews

MCES contacted the User of this report to determine whether the User had any specific knowledge of past uses or RECs at the Subject Property. The User reported a former gas station, auto repair businesses, and potentially a former dry cleaning business on the property. The User completed a Phase I ESA User Questionnaire as required by ASTM 1527-05 and provided a copy of the Phase I ESA discussed below. The user questionnaire is included in **Appendix C**.

4.2 Previous Reports

MCES reviewed the Phase I ESA report that was prepared for the Subject Property in March of 1999 by Ed Aguirre & Associates inc. of Raleigh, North Carolina. This report was provided by the User of this ESA and is included as **Appendix D.**

The March 1999 ESA report noted that there was a confirmed release of petroleum from three former underground storage tanks (USTs) associated with the convenience store that was located on the north side of the Subject Property from 1965-1982. According to the 1999 ESA report, the three (3) USTs were removed in 1993 and soil contamination was detected in the tank pit area. However, the ESA notes that groundwater samples collected during site investigation activities did not contain petroleum constituents at concentrations above the North Carolina Department of Environmental and Natural Resources (NCDENR), Division of Water Quality action limits. The 1999 ESA report contained a recommendation to obtain a written confirmation from NCDENR that no further action would be required in the future.

A review of current database files from NCDENR list the former UST site as the Nivision Property (Apex Hardware and Southern Tire Store.) The current database also lists the UST site as “Closed Out”. The NCDENR “Closed Out” status indicates that no additional action is required for the release from the USTs.

The 1999 Phase I ESA also reported the presence of a 500-gal above ground storage tank (AST) and minor oil staining on the ground behind the auto parts store that formerly occupied 548 Williams Street. The report recommended the removal of the AST and stained surface soils.

4.3 Sanborn Map Research

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps were searched for information concerning the subject property. Fire insurance maps for the subject property were not found. The Sanborn “No Coverage” certification is included as **Appendix E.**

4.4 City Directory Research

City directories including businesses, addresses, cross-references, and telephone numbers were reviewed for information related to the historical use of the Subject Property and adjoining properties. Records were available for the following years: 1967, 1969, 1974, 1979, 1984, 1989, 1993, 1998, 2003, 2008 and 2012. The Subject Property and several adjoining property were listed.

The Subject Property was listed beginning in 1967 as "Triplett CC Grading Contractors Co." In listings from 1979 to 2012, the Subject Property had numerous tenants. Please note that the addresses appear to have been renumbered sometime between 1984 and 1989. Where multiple listings were found, the current addresses are given in the list below. In addition, several of the following businesses are listed at multiple address.

Of the listings reviewed, the following appear to have the potential to create RECs at the Subject Property:

- 500 East Williams Street, Triplett CC Grading Contractors, 1967-1969;
- 500 East Williams Street, The Pantry, 1979-1984;
- 500 East Williams Street, Clark Pavement Markings, 1984;
- 514 East Williams Street, Apex Printing Company, 1984-2012;
- 524 East Williams Street, 1-800-DRYCLEAN, 2008-2012;
- 526 East Williams Street, Integrated Pest Management Systems, 1998;
- 526 East Williams Street, Martin Cleaners and Laundromat, 1989;
- 540 East Williams Street, Martin Cleaners/Eldon Cleaners/Eldon Drapery Cleaner/Apparel Master Uniform Service, 1984-1989;
- 544 East Williams Street, Apex Automotive Warehouse/Super Auto Parts, 1993-1998;
- 548 East Williams Street, Southern Tire Sales & Service, 1979-2012;
- 552 East Williams Street, Petroleum World Inc. Distributor, 1989;
- 554 East Williams Street, R&J Auto Repair/ R&J Mechanical & Welding/ R&J Custom Exhaust, 1989-2012; and,
- 600 East Williams Street, Apex Ace Hardware, 1984-2008.

Because the City Directory listings contain only addresses and phone numbers, it is not possible to determine whether hazardous chemicals or petroleum products were actually in use at these businesses. However, several of these addresses and business names have the potential to create an on-site REC and several appear in the environmental agency database review discussed in Section 5 of this report.

Various properties adjoining the Subject Property at 656, 703, 705, 706 and 708 East Williams Street were listed beginning in 1967. These include a variety of commercial and light industrial businesses.

However, conditions at the adjoining properties listed in the City Directories appear to have limited potential to impact the Subject Property. City Directory information is included in **Appendix F**.

4.5 Environmental Lien Search/Activity and Use Limitations

At the direction of the User, MCES completed a deed search for environmental liens (ELs) and activity and use limitations (AULs) associated with the Subject Property. No ELs or AULs related to the Subject Property were identified during deed search or the review of regulatory agency databases. Environmental Lien and AL Search Report is included in **Appendix G**.

4.6 Chain of Property Ownership

Review of the chain of title report for the subject property was not included in the scope of this report.

5 ENVIRONMENTAL AGENCY FILE REVIEW

MCES utilized Environmental Data Resources, Inc. (EDR), a national database search company, to provide a review of agency files regarding regulated facilities within the ASTM E 1527-05 search radii. The EDR research addresses state and federal databases that identify potential environmental sites of concern near the property. The requirements outlined in ASTM E 1527-05 state that certain databases must be searched for sites within a specified radius of the subject property. The database search provided by EDR included the following record sources:

- National Priority List (NPL) and Georgia Hazardous Sites Inventory (HSI);
- Comprehensive Environmental Response, Compensation and Liability Information System (CERCLIS);
- Emergency Response Notification System (ERNS);
- Resource Conservation and Recovery Act (RCRA) List of registered generators and permitted treatment, storage and disposal facilities;
- Hazardous Materials Information Reporting System database (HMIRS);
- Engineering and Institutional Controls Site Lists (US ENG CONTROLS, US INST CONTROLS);
- Department of Defense Sites (DOD) and Formerly Used Defense Sites (FUDS);
- Brownfields Site Database (US BROWNFIELDS);
- Superfund Consent Decrees (CONSENT);
- Records of Decision (RODS);
- Uranium Mill Tailings Sites (UMTRA);
- Open Dump Inventory (ODI);
- Toxic Chemical Release Inventory System (TRIS);
- Toxic Substances Control Act databases (TSCA);

- Section 7 Tracking System (SSTS);
- Integrated Compliance Information System (ICIS, NPDES);
- PCB Activity Database (PADS);
- Material Licensing Tracking System (MLTS);
- Mines Master Index File (MINES);
- Facility Index System/Facility Registry System (FINDS);
- Georgia Solid Waste Landfills (SWLF);
- Georgia Department of Natural Resources, Environmental Protection Division (EPD);
- Underground Storage Tank (UST) List;
- Georgia EPD Leaking Underground Storage Tank (LUST) List
- Spills Information (SPILLS);
- Indian and Tribal Records;
- Drycleaners Database (DRYCLEANERS); and
- Additional information related to all of the above.

The following sections summarize the findings of those database searches.

5.1 Subject Property

The Subject Property was listed in **five** (5) of the databases reviewed. Database listings for the Subject Property are summarized in the following sections.

5.1.1 Underground Storage Tank (UST) Database

The North Carolina DENR maintains a file of registered USTs for each county in North Carolina. Two addresses at the Subject Property are listed in this database. Details for each are provided below.

5.1.1.1 Apex Hardware/Southern Tire Store

The address for this database entry is recorded as 550-600 East Williams Street. According to the information contained in this database entry, two (2) 8,000-gallon gasoline USTs and one (1) 10,000-gallon gasoline UST registered to Willam Nivison of Raleigh, North Carolina were present at the Subject Property from 1964 to 1994. Although the database listing indicates that these tanks were located at Apex Hardware (600 East Williams Street) or Southern Tire (548 East Williams Street), it seems that the database listing may be in error and that it is more likely that these tanks were used by the gas station/convenience store referenced in the 1999 ESA report. Based on the information contained in the City Directories reviewed in Section 4.4 of this report, it seems possible that these USTs were associated with The Pantry grocery store (500 East Williams Street).

5.1.1.2 Martin Cleaners

UST database information indicates that one (1) 275-gallon diesel UST is currently registered to W.B. Nivison of Raleigh, North Carolina and is located at Martin Cleaners, 240 East Williams Street. No additional information is listed. Based on observations made during MCES site visit, it appears that

this database listing is in error as well. Martin Cleaners is no longer a tenant at Apex Village and is identified in the City Directory listings at two different addresses: 526 and 540 East Williams Street. A used oil UST of unknown capacity was identified at Southern Tire Sales, 548 East Williams Street and it seems likely that this is the tank referenced in the UST database.

5.1.2 North Carolina Incident Management Database (IMD)

The Incident Management Database is maintained by the North Carolina DENR. This database contains information regarding soil or groundwater contamination incidents. The Subject Property appears in this database under the name "Nivison Property – Apex Hardware" with an address listed as 500-600 East Williams Street. The date of the incident is listed as December 27, 1993. This appears to be the same incident discussed in the 1999 ESA report as described in Section 4.2 of this report. According to the limited information available in the database summary, soil contamination was identified during UST closure activities and reported to DENR on March 23, 1994. The database indicates that no groundwater contamination was detected. The incident is listed as "Closed Out".

5.1.3 Leaking Underground Storage Tank (LUST) Database

The North Carolina DENR maintains a file of confirmed, reported leaking USTs for each county in North Carolina. The Subject Property appears in this database under the same name and address and contains the same information as described in Section 5.1.1 above.

5.1.4 Leaking Underground Storage Tank Trust Fund (LUST TRUST) Database

This database contains information about claims against the State Trust Funds for reimbursement of expenses incurred while remediating leaking USTs. The Subject Property is listed in this database as W.B. Nivison Property, 500 Block of East Williamson Street. The Subject Property is listed as elegible for trust fund reimbursment but no information regarding claims against the trust fund is present in the database listing. It is likely that the Subject Property appears in this database due to the fact that the property owner listed the LUST TRUST as a financial assurance mechanism during the UST registration process.

5.1.5 RCRA Non-Generator/No Longer Regulated (Non-Gen/NLR) Database

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 that generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-generators are sites that no longer generate hazardous waste or are no longer regulated under RCRA.

Martin Cleaners, 240 East Williams Street, is listed in the RCRA Non-Gen/NLR database. Dry cleaners are often listed as generators of hazardous waste due to the use of chlorinated solvents during the dry cleaning process. Martin Cleaners is no longer a tenant at Apex Village. City Directory research indicates that Martin Cleaners has not been located at Apex Village since approximately 1989.

5.2 Off Site Properties

Six of the databases reviewed contained listings for off-site properties within the applicable search radii. Details of these database listings are summarized below.

5.2.1 Federal RCRA CORRACTS List

This database is maintained by the United States Environmental Protection Agency (USEPA). CORRACTS identifies hazardous waste handlers with RCRA corrective action activity. Two off-site properties are listed in the CORRACTS database:

- EQ APEX FACILITY, 1005 INVESTMENT BLVD; and,
- COOPER INDS INC., LUFKIN RD

Based on MCES' review of the data provided in the EDR report and the location of the off-site properties relative to the Subject Property, it appears that conditions at the off-site properties have low potential to impact the Subject Property.

5.2.2 North Carolina Hazardous Substance Disposal Site (HSDS) Database

This database is maintained by the North Carolina DENR and contains a listing of all registered hazardous substance disposal sites in the state. Two off-site properties are listed in the HSDS database:

- COOPER INDS INC., LUFKIN RD; and,
- APEX SANITARY LANDFILL, NO ADDRESS LISTED.

Based on MCES' review of the data provided in the EDR report and the location of the off-site properties relative to the Subject Property, it appears that conditions at the off-site properties have low potential to impact the Subject Property.

5.2.3 Leaking Underground Storage Tank (LUST) Database

The North Carolina DENR maintains a file of confirmed, reported leaking USTs for each county in North Carolina. Eighteen (18) off-site properties are listed in the LUST database:

- WALKER PROPERTY, 414 EAST WILLIAMS STREET;
- YATES PROPERTY, 312 SOUTH TUNSTALL;
- WALTERS RESIDENCE, 303 SOUTH TUNSTALL AVENUE;
- SKY MART GAS STATION, 314 EAST WILLIAMS STREET;
- PANTRY 3797 DBA KANGAROO, 302 EAST WILLIAMS STREET;
- RIBEIRIO RESIDENCE, 307 EAST MOORE STREET;
- WORLEY RESIDENCE, 910 JAMES STREET;
- RIGGSBEE PROPERTY, 832 SOUTH HUGHES STREET;
- APEX UNITED METHODIST, 100 SOUTH HUGHES STREET;

- TAYLOR PROPERTY, 610 TINGEN ROAD;
- RIGGSBEE RESIDENCE, 900 SOUTH HUGHES STREET;
- PINE STATE CREAMERY, SCHIEFFELIN ROAD;
- APEX FOOD MART, 321 SOUTH SALEM STREET;
- APEX ELEMENTARY SCHOOL, 700 TINGEN ROAD;
- HOLT AND SONS CITGO, 320 SOUTH SALEM STREET;
- KOCH MATERIALS, 99 SCHIEFFELIN ROAD;
- TASTEE FREEZ WAREHOUSE, 1009 SCHIEFFELIN ROAD; and
- APEX PROFESSIONAL PARK, 1264 EAST WILLIAMS STREET.

Based on MCES' review of the data provided in the EDR report and the location of the off-site properties relative to the Subject Property, it appears that conditions at the off-site properties have low potential to impact the Subject Property.

5.2.4 Leaking Underground Storage Tank Trust Fund (LUST TRUST) Database

This database contains information about claims against the State Trust Funds for reimbursement of expenses incurred while remediating leaking USTs. Seven (7) off-site properties are listed in the LUST TRUST database:

- WALKER PROPERTY, 414 EAST WILLIAMS STREET;
- YATES PROPERTY, 312 SOUTH TUNSTALL;
- WALTERS RESIDENCE, 303 S TUNSTALL AVENUE;
- RIGGSBEE PROPERTY, 832 S HUGHES STREET;
- TAYLOR PROPERTY, TINGEN ROAD;
- APEX FOOD MART, 321 SOUTH SALEM STREET; and,
- HOLT AND SONS CITGO, 320 SOUTH SALEM STREET.

Based on MCES' review of the data provided in the EDR report and the location of the off-site properties relative to the Subject Property, it appears that conditions at the off-site properties have low potential to impact the Subject Property.

5.2.5 Leaking Aboveground Storage Tank (LAST) Database

The North Carolina DENR maintains a file of confirmed, reported leaking ASTs for each county in North Carolina. One (1) off-site property is listed in the LAST database:

- WHITE OIL SPILL, US HIGHWAY 1

Based on MCES' review of the data provided in the EDR report and the location of the off-site property relative to the Subject Property, it appears that conditions at the off-site property has low potential to impact the Subject Property.

5.2.6 Underground Storage Tank (UST) Database

The North Carolina DENR maintains a file of registered USTs for each county in North Carolina. Three (3) off-site properties are listed in the UST database:

- PANTRY 457 DBA KANGAROO, 705 EAST WILLIAMS STREET;
- EXPRESS MART, 312 EAST WILLIAMS STREET; and,
- PANTRY 3797 DBA KANGAROO, 302 EAST WILLIAMS STREET.

Based on MCES' review of the data provided in the EDR report and the location of the off-site properties relative to the Subject Property, it appears that conditions at the off-site properties have low potential to impact the Subject Property.

5.2.7 North Carolina Incident Management Database (IMD)

The Incident Management Database is maintained by the North Carolina DENR. This database contains information regarding soil or groundwater contamination incidents. Fifteen (15) off-site properties are listed in the IMD:

- YATES PROPERTY, 312 SOUTH TUNSTALL AVENUE;
- WALTERS RESIDENCE, 303 SOUTH TUNSTALL AVENUE;
- RIBEIRIO RESIDENCE, 307 EAST MOORE STREET;
- RIGGSBEE PROPERTY, 832 SOUTH HUGHES STREET;
- APEX UNITED METHODIST, 100 SOUTH HUGHES STREET;
- TAYLOR PROPERTY, 610 TINGEN ROAD;
- RIGGSBEE RESIDENCE, 900 SOUTH HUGHES STREET;
- TAYLOR PROPERTY, SOUTH SALEM & TINGEN;
- PINE STATE CREAMERY, SCHIEFFELIN ROAD;
- APEX FOOD MART, 321 SOUTH SALEM STREET;
- HOLT AND SONS CITGO, 320 SOUTH SALEM STREET;
- KOCH MATERIALS, 99 SCHIEFFELIN ROAD;
- WHITE OIL SPILL, US HIGHWAY 1
- TASTEE FREEZE WAREHOUSE, 1009 SCHIEFFELIN ROAD; and,
- APEX PROFESSIONAL, 1264 EAST WILLIAMS STREET.

Based on MCES' review of the data provided in the EDR report and the location of the off-site properties relative to the Subject Property, it appears that conditions at the off-site properties have low potential to impact the Subject Property.

5.3 Orphan and Un-plotted Sites

Forty-three (43) orphan and un-plotted sites are listed in the EDR database search results. An orphan site is one with insufficient address information to be mapped in the database report. MCES reviewed the available information and conducted a field reconnaissance and map search in an attempt to determine if any of the orphan sites are located within applicable search distances from the subject properties. MCES did not identify any of the orphan sites within a quarter mile of the Subject Property. A copy of the Environmental Database Report and Radius Map is included as **Appendix H**.

5.4 Agency Contacts

MCES contacted the offices of the Wake County Fire Services and the Wake County Department of Environmental Services to obtain information regarding environmental conditions at the subject property and surrounding facilities. Wake County Fire Services responded to our inquiry via telephone. No fires or releases of hazardous materials or petroleum products have been reported to Fire Services. No response has been received from the Department of Environmental Services at the time of this report. If we receive any relevant information, we will issue an addendum to this report with a summary of the information received. Copies of the agency contact letters are included as **Appendix I**.

6 SITE RECONNAISSANCE

On January 24, 2013 MCES conducted a physical reconnaissance of the subject property to identify the presence of Recognized Environmental Conditions. The observations made during site reconnaissance are described below.

6.1 Hazardous Chemical or Petroleum Storage

MCES noted the presence of one (1) underground storage tank (UST) on the south side of the Southern Tire Sales building at 548 East Williams Street. The capacity of this UST is unknown. According to facility personnel, the UST is empty and has been out of use for approximately 20 years. It was formerly utilized as a used oil storage tank. In addition to the UST, two (2) aboveground storage tanks (ASTs) containing used oil and used antifreeze were observed in the interior of Southern Tire Sales, along with a variety of other containers in sizes ranging from small retail quantities to 55-gallon drums of new and used motor oil and other automotive fluids.

A similar assortment of automotive fluids and petroleum products was noted at R&J Auto Repair, 532 East Williams Street, including an AST containing used oil. Oil and other pertroleum products were present at Carquest Auto Parts, 600 East Williams Street, but all liquids were new and packaged in retail containers.

The presence of a UST of unknown age and condition at 548 East Williams Street is considered to be REC.

6.2 Unidentified Substance Containers

No unidentified substance containers were noted at the Subject Property.

6.3 Heating and Cooling Systems

The buildings at the Subject Property are heated and cooled by electric heat pump systems and forced-air natural gas systems. No RECS associated with the heating and cooling equipment were identified at the Subject Property.

6.4 Potential Polychlorinated Biphenyls (PCBs)

No potentially PCB-containing equipment was observed at the Subject Property other than pole-mounted, utility-owned transformers. PCB containing oils were generally phased out of service over the past several decades. Contamination resulting from equipment owned by a public utility is not considered a potential source of liability for a property owner. No RECs associated with PCB-containing equipment were identified at the Subject Property.

6.5 Hydraulic Equipment

Six aboveground hydraulic lifts were observed at R&J Auto Repair, 532 East Williams Street. No subsurface hydraulic equipment was noted during site reconnaissance. Aboveground hydraulic equipment in an interior area is not considered to be a REC. No RECs associated with hydraulic equipment were identified at the Subject Property.

6.6 Drains and Sumps

No floor drains or sumps were noted at the Subject Property.

6.7 Pits, Ponds, or Lagoons

No evidence of pits, ponds, or lagoons associated with wastewater processing or disposal was observed at the Subject Property.

6.8 Wastewater

No evidence of wastewater processing or disposal was observed at the Subject Property.

6.9 Structural Staining or Corrosion

Minor structural staining and corrosion was noted in various areas at the subject property. However, the stains and corrosion appeared to be related to age and exposure to the elements rather than an indicator that corrosive chemicals were present. Staining of this type is not considered to be a REC.

6.10 Stained Soil or Pavement

Minor stains on the pavement were noted in front of the service bays at Southern Tire Sales and R&J Auto Repair. The stains appeared to be the result of minor drips and spills of oil and/or other automotive fluids. Minor staining is considered to be a *de minimus* condition, therefore the stained pavement observed at the Subject Property is not considered to be a REC.

6.11 Stressed Vegetation

No evidence of stressed vegetation was identified at the Subject Property.

6.12 Solid Waste

No evidence of illegal dumping or solid waste disposal was noted at the Subject Property.

6.13 Wells

No drinking water supply wells were identified at the Subject Property.

6.14 Septic Systems

The Subject Property is served by a sanitary sewer system. No septic systems were identified at the Subject Property.

Several data gaps exist. The current owner did not allow access into several of the building on the property, in particular, the printing operation that has the potential to be a recognized environmental condition. This condition appears to be a low risk.

7 PHASE I ESA CONCLUSIONS

Based on the information gathered during the completion of the Phase I ESA, the following Recognized Environmental Conditions were identified at the Subject Property:

- The presence of a UST at 548 East Williams Street without a clear record of current or past regulatory compliance; and,
- The presence of a dry cleaning and commercial laundry operation at the Subject Property during the approximate time period of 1979-1989 and the listing of this facility in the RCRA Non-Gen/NLR database as a former hazardous waste generator.

In addition, the following Historic Recognized Environmental Condition (HREC) was identified at the subject property:

- A confirmed release of fuel from the former UST system that was removed from the property in 1993.

An HREC is defined as: *"An environmental condition which in the past would have been considered a* REC, *but which may or may not be considered a* REC *currently"*. Since the UST system has received a "Closed Out" status from the NCDENR and no groundwater contamination was identified after the USTs were removed, this is not an REC that would normally require additional action. However, since additional action is recommended for the other RECs, this HREC was also included in the recommendations below.

Based on the presence of the Recognized Environmental Conditions, MCES recommended the completion of a Limited Phase II Subsurface Investigation concurrently with the preparation of this Phase I ESA report. MCES developed a limited scope of work to address the RECs identified at the Subject Property while meeting the goals of the User prior to the potential property transaction. The

Phase II scope of work, a summary of the results, and recommendations for further actions to address the RECs identified at the Subject Property are described in the following sections.

8 PHASE II SUBSURFACE INVESTIGATION

At the request of the User, MCES completed a Limited Phase II Subsurface Investigation at the Subject property on January 23, 2013. The scope of the Phase II was directed specifically to address potential volatile organic compound (VOC) impacts to the soil and groundwater at locations of concern on the Subject Property. The scope of work included the completion of soil borings at five (5) locations and the collection of soil and/or groundwater samples from the soil borings. The findings of the limited subsurface investigation are discussed in the following sections.

8.1 Soil Boring Location Rationale

Boring locations were chosen to address potential impacts from the RECs that were identified during the Phase I ESA. The following is our rationale for soil and groundwater sampling locations:

- S-1/GW-1. To evaluate soil and groundwater adjacent to and downgradient of the former UST area and adjacent to the former dry cleaning business.
- S-2/GW-2. To evaluate soil and groundwater adjacent to the existing UST and evaluate groundwater downgradient of the former dry cleaning business.
- S-3. To evaluate soil adjacent to the former dry cleaning business.
- GW-3. To evaluate groundwater adjacent to the existing printing company and downgradient of the dry cleaners, auto repair, and UST areas.
- GW-4. To evaluate groundwater adjacent to the existing car wash and downgradient of the dry cleaners, auto repair, and UST areas.

The boring locations were chosen based on information obtained to date, site conditions, and the fate and transport characteristics of suspect chemicals of concern. A description of soil and groundwater sampling procedures is provided in the following sections.

8.2 Subsurface Investigation Procedures

On January 23, 2013, Troxler Geologic, Inc. mobilized to the site to complete the soil borings. A track-mounted GeoProbe direct-push drilling system was used to advance 2.25-inch diameter borings through surface soils at five (5) locations at the subject property. Each boring was continued to approximately 16-feet below ground surface (BGS). Soil and/or groundwater samples were collected from each location. Upon completion of soil and groundwater sampling, each boring was filled with bentonite pellets to within 0.5-foot of the ground surface. The remainder of the borehole was then patched with asphalt to match the surrounding ground cover. Soil boring locations are illustrated in **Figure 3**. Soil boring logs are included in **Appendix J**.

8.2.1 Soil Sampling Procedures

During the completion of each soil boring, continuous soil samples were collected using a 5-foot macro-core sampling device with polyethylene liners. A soil vapor headspace analysis was conducted on each sample interval using a photo-ionization detector (PID). Volatile organic vapors were detected in only one location (S-2/GW-2) at a maximum concentration of 25 parts per million at 4-feet BGS. Soil samples were collected for laboratory analysis from S-1/GW-1 at 6-feet BGS and from S-2/GW-2 at 5-feet BGS. Each boring was terminated at approximately 16-feet BGS. Soils samples were placed in laboratory provided containers, sealed, labeled, placed on ice, and shipped to Xenco Laboratories, Inc. under standard chain of custody procedures.

8.2.2 Groundwater Sampling Procedures

Upon contact with groundwater, the drilling rods advanced further and then were raised two or three feet from the bottom of the boring and a groundwater sample was collected by inserting a suitable length of 0.25-inch polyethylene tubing into the boring through the hollow stem of the rods and using a peristaltic pump to collect water samples directly into laboratory provided containers. Groundwater was encountered in the borings at depths ranging from 8.5 to 10 feet BGS. Groundwater samples were colleted from four (GW-1, GW-2, GW-3, and GW-4) of the five borings. The groundwater samples were placed directly into laboratory provided containers. Each sample was then sealed, labeled, placed on ice, and shipped to Xenco Laboratories, Inc. under standard chain of custody procedures.

8.3 Subsurface Investigation Results

Upon receipt of the analytical data reports for the soil and groundwater samples, MCES evaluated and compared the results with the regulatory remediation goals for each detected compound. For soil, the established remediation goals are listed in the *North Carolina Department of Environment and Natural Resources, Inactive Hazardous Sites Branch, Preliminary Soil Remediation Goals (PSRGs) Table, July 2012.* For groundwater, the established remediation goals are the *NC DENR Rule 15A NCAC 02L.0200 Classifications and Groundwater Quality Standards (for Protection of Groundwater) (The Standards).* The comparison is summarized in the following sections.

8.3.1 Soil Analytical Results

Laboratory analytical data indicated that six (6) regulated compounds were detected in soil samples collected from borings S-1 and S-2. The following is a summary of detected compounds and their respective remediation goals:

Boring	Compound	Detected Concentration	NC Remediation Goal
S-1	Acetone	0.00833 mg/kg	24 mg/kg
S-2	Acetone	0.0483 mg/kg	24 mg/kg
	1,2,4-Trimethylbenzene	0.00595 mg/kg	6.7 mg/kg
	Isopropylbenzene (Cumene)	0.00212 mg/kg	1.3 mg/kg
	Naphthalene	0.00321 mg/kg	0.21 mg/kg

n-Propylbenzene	0.00143 mg/kg	1,500 mg/kg
sec-Butylbenzene	0.00119 mg/kg	2,200 mg/kg

The NCDENR Inactive Hazardous Sites Response Act requires that within 90 days of the date on which any owner, operator or responsible party knows or should know of the existence of an inactive hazardous substance or waste disposal site, the owner, operator or responsible party submit to the Inactive Hazardous Sites Branch all site data that is known or readily available to the owner, operator, or responsible party.

Soil sampling locations are illustrated on **Figure 3**. Laboratory analytical reports are included in **Appendix K.**

8.3.2 Groundwater Analytical Results

Laboratory analytical data indicated that six (6) regulated compounds were detected in groundwater samples collected from borings GW-1 and GW-2. The following is a summary of detected compounds and their respective remediation goals:

Boring	Compound	Detected Concentration	NC Remediation Goal
GW-1	1,2,4-Trimethylbenzene	3.44 ug/l	400 ug/l
	1,3,5-Trimethylbenzene	1.22 ug/l	400 ug/l
	Naphthalene	**8.68 ug/l**	**6 ug/l**
GW-2	1,2,4-Trimethylbenzene	2.90 ug/l	400 ug/l
	m,p-Xylenes	0.660 ug/l	see Total Xylenes
	o-Xylenes	1.39 ug/l	see Total Xylenes
	Total Xylenes	2.05 ug/l	500 ug/l
	Naphthalene	**8.35 ug/l**	**6 ug/l**
	Tetrachloroethene	**1.08 ug/l**	**0.7 ug/l**

NCDENR Regulations 15A NCAC 2L requires immediate Branch notification of the discovery of a non-permitted activity that has resulted in groundwater contamination.

Soil sampling locations are illustrated on **Figure 3**. Laboratory analytical reports are included in **Appendix K.**

9 PHASE II SUBSURFACE INVESTIGATION CONCLUSIONS

The results of the Phase II ESA indicates the presence of regulated compounds in soil and groundwater at this property. Concentrations of regulated compounds detected soil did not exceed the NCDNER remediation goals established for those compounds. Concentrations of regulated compounds detected in groundwater exceeded the NCDENR remediation goals for naphthalene and tetrachloroethene.

Although regulated compounds were detected, and naphthalene and tetrachloroethene were detected in groundwater in excess of their remediation goals, the concentrations detected were very low and do not

indicate a significant release of these compounds at this property. Due to the limited nature of the Phase II ESA sampling plan, it is possible that higher concentrations of these compounds exist at other locations on the property. However, data collected to date does not necessarily indicate that additional regulatory action will be required. The basis for this conclusion is as follows:

- Acetone is a common solvent, but can also be a laboratory contaminant or a residual from the field preserved sampling method. Since acetone was detected at an upgradient and uncontaminated location away from any potential solvent use, it is assumed that it is from the lab or a field preservation residual and not from a release to soil or groundwater, and therefore reporting to NCDENR would not be required.

- The benzene compounds (1,2,4-trimethylbenzene, 1,3,5-trimethylbenzene, isopropylbenzene, n-propylbenzene, and sec-butylbenzene) are typically fuel additives or components of crude oil and petroleum fuels. Approximately 99% of their production in the US is for gasoline additives. These compounds can also be found in dyes, solvents, paint thinners and plastics. Due to the locations where these compounds were detected and the very low concentrations detected, it is assumed that they are residuals from the former leaking UST that existed on the property. The presence of these compounds may also be from minor drips and spills from the existing UST or the auto repair business. Based on the assumption that these compounds are remnants from the former UST site that has received a “Closed Out” status from the NCDENR, reporting to NCDENR would not be required.

- Xylenes and naphthalene compounds are also typically associated with fuels and petroleum products, and are suspected of originating from the former and current UST, as well as possibly from minor drips and spills from the auto repair operations. Based on the assumption that these compounds are remnants from the former UST site that has received a “Closed Out” status from the NCDENR, reporting to NCDENR would not be required.

- The tetrachloroethene (perchloroethylene or "perc") is a dry-cleaning or parts washing solvent. The presence of this compound does indicate that there could be higher concentrations upgradient of the location where this was detected. However, based on our experience, the very low concentration detected at GW-2, and the lack of detections at GW-1, GW-3, and GW-4, this detection does not appear to indicate a significant problem at this property.

The regulated compounds detected in soil sample S-1 and groundwater sample GW-1 appear to be residual contamination from the former USTs on the north side of the Subject Property. Based on the assumption that these compounds are remnants from the former UST site that has received a “Closed Out” status from the NCDENR, reporting to NCDENR would not be required for that location. The source of the regulated compounds detected in samples S-2 and GW-2 remains unknown. Possible sources of impacts in this location include the former leaking UST. The presence of these compounds may also be from minor drips and spills from the existing UST, the auto repair businesses, or the former dry cleaning business on the Subject Property.

The need for additional sampling and/or potential liability estimations is based on the business purpose of the buyer and their level of tolerance for potential liabilities. If the buyer has a high tolerance for the

presence of these minor contaminants in soil and groundwater, then no additional action may be appropriate. If the buyer would like a higher level of assurance, we would recommend additional soil and groundwater sampling upgradient of the "perc" detection to determine if higher levels of contaminants are present in those locations behind the former dry cleaner. Once this is determined, an estimate of the potential liability associated with the suspected release of that compound could be prepared.

Overall the results appear to be what is expected of minor drips and spills from this type of property. NCDENR requires reporting of all detected compounds identified in soil or groundwater, unless they are attributed to another regulated source (such as the formerly “Closed Out” UST). In order to determine if additional regulatory action will be required, the property owner would submit this Phase I and II ESA Report to the NCDENR for review to report the detection of “perc” at GW-2. However, based on the available data, no major regulatory clean-up actions are anticipated once the information is submitted.

10 RECOMMENDATIONS

Based on the findings of the Phase I ESA and the Phase II Subsurface Investigation, MCES offers the following recommendations for this property:

- Work with the existing tenants to implement best management practices for the storage, use, and handling of petroleum products and other regulated compounds to prevent future impacts to the soil and groundwater at the Subject Property;

- Remove the existing UST from the ground, collect additional soil samples from beneath the tank and submit a UST closure report in compliance with NCDENR UST closure guidance; and,

- Submit the data contained in this report and the data obtained during the UST closure to NCDENR accompanied by a letter detailing former and current site conditions. This letter should be accompanied by the Phase II ESA conclusions as stated above and a request for no additional regulatory action (if appropriate following UST Closure.)

We are happy to assist you in implementing the above recommendations. Please contact Mill Creek Environmental Services, Inc. if you need more information or if there is anything else we can assist you with.

11 REFERENCES

ASTM, 2005. American Society for Testing and Materials (ASTM). Standard E 1527-05, "Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment Process," 2005.

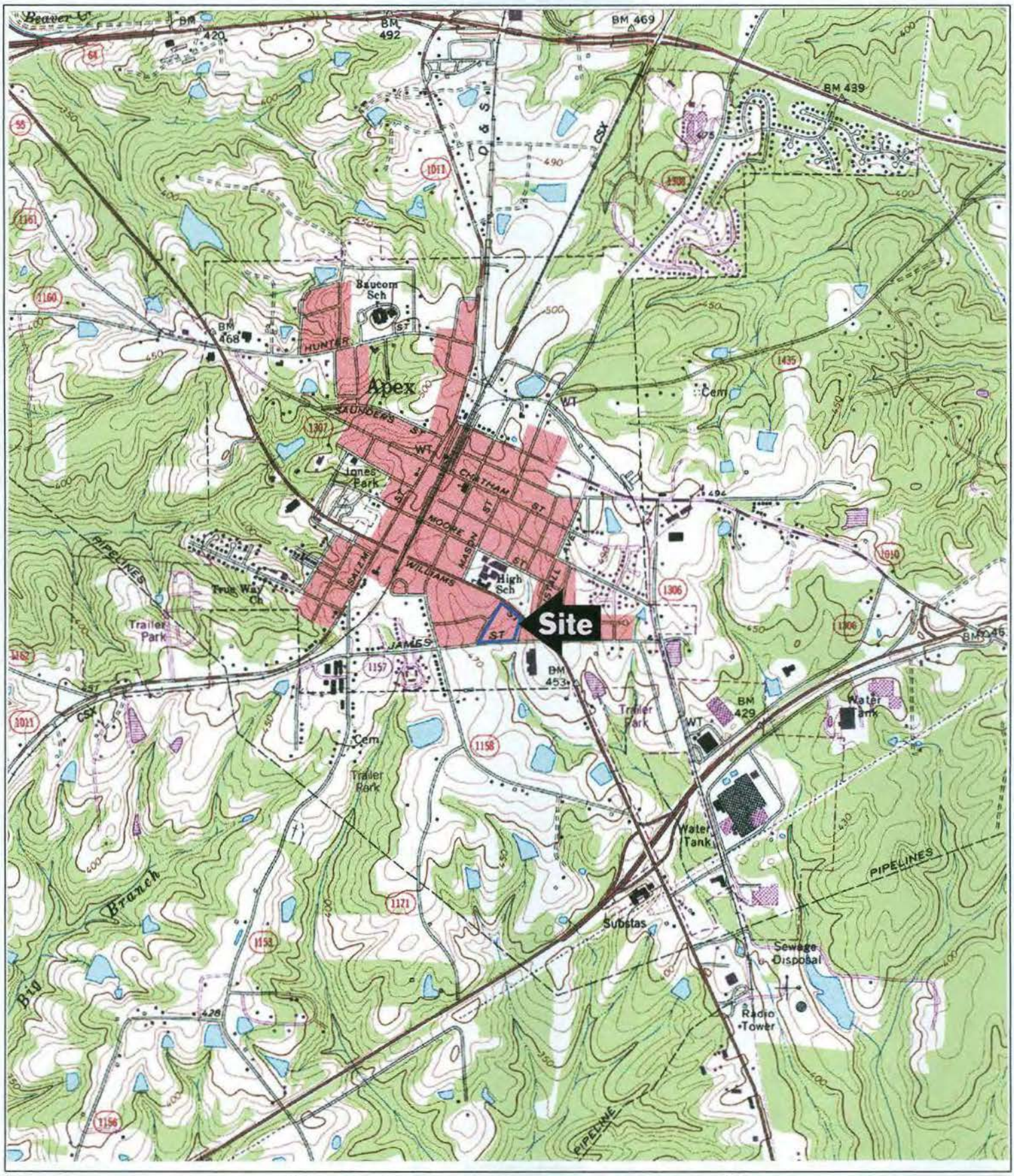
ASTM, 2011. American Society for Testing and Materials (ASTM). Standard E 1903-11, "Standard Practice for Environmental Site Assessments: Phase II Environmental Site Assessment Process," 2011.

Environmental Data Resources, Inc. (EDR) The EDR Radius Map™ Report with Geocheck®, dated January 16, 2013, Report ID: 3495620.2s

Environmental Data Resources, Inc. (EDR) The EDR-Sanborn Map Report, dated January 16, 2013, Report ID: 3495620.3

Environmental Data Resources, Inc. (EDR) The EDR-City Directory Abstract, dated January 16, 2013, Report ID: 3495620.5

FIGURES



MCES

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Rd.
Dawsonville, Georgia 30534
706-579-1607

FIGURE 1: SITE LOCATION MAP

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina

0 1000 2000
SCALE IN FEET
1 INCH = 2000 FEET

N

SOURCE: Maptech Terrain Navigator 1:24,000 scale topographic map, 1997

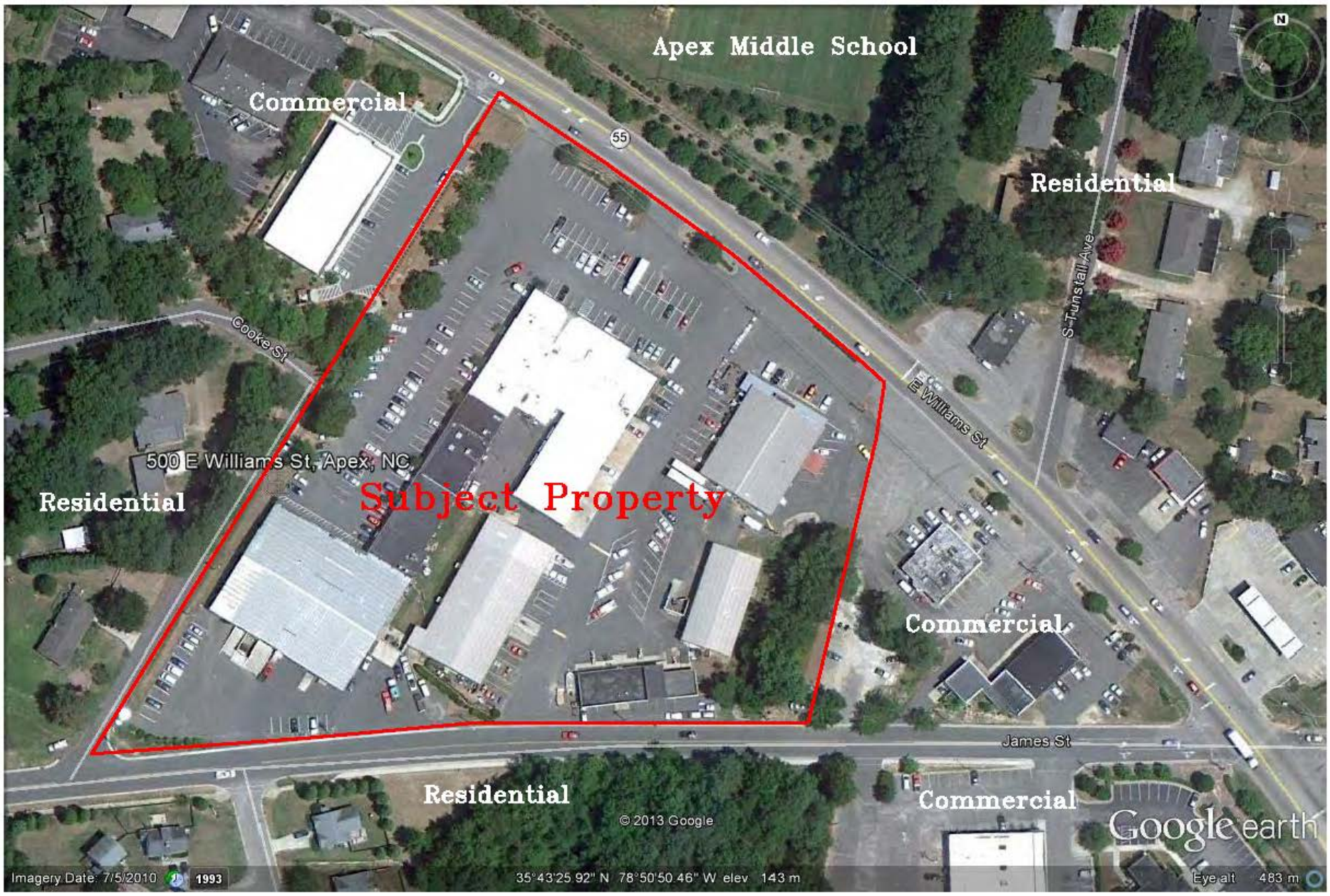
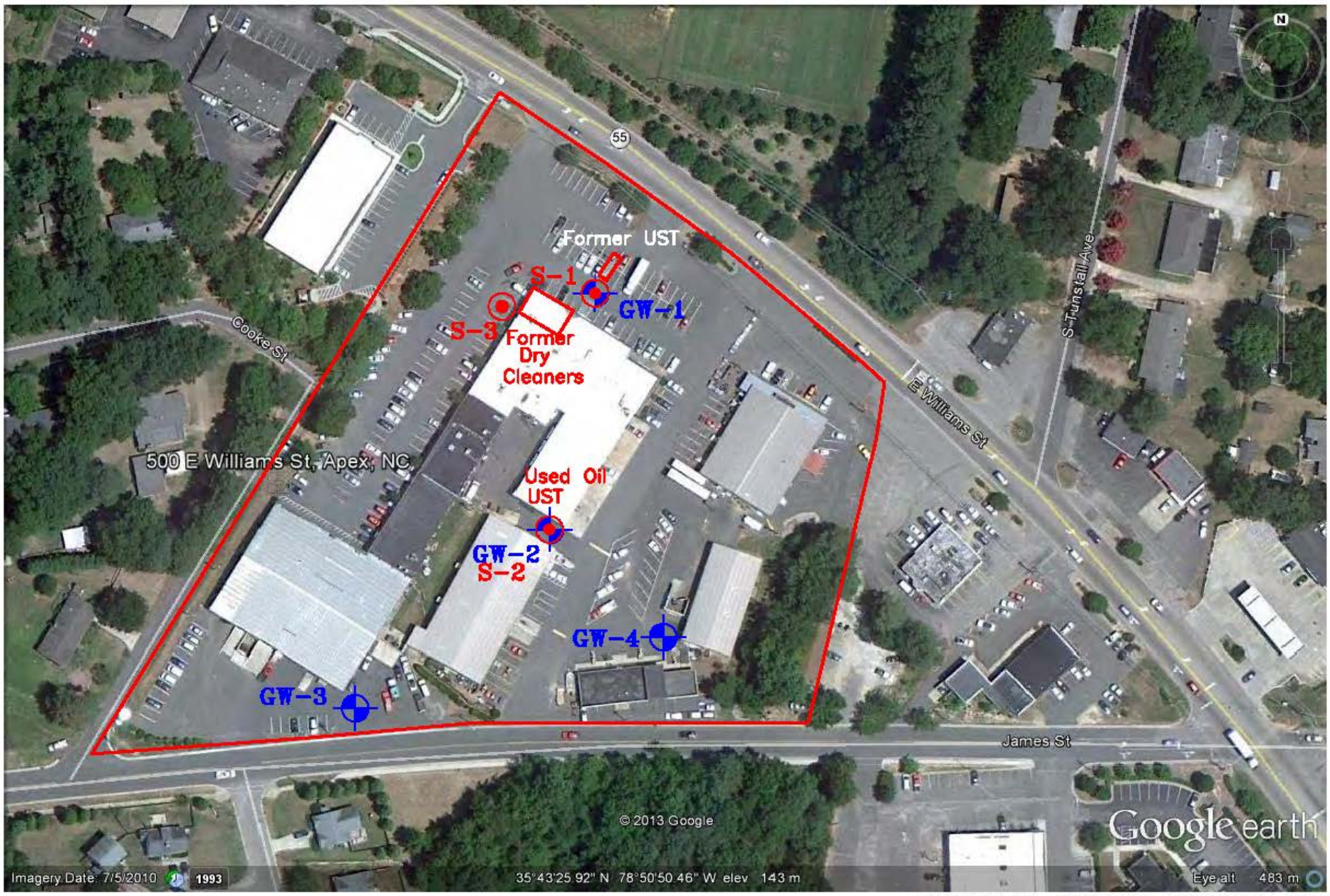


Photo Source: Google Earth

ENVIRONMENTAL SERVICES

FIGURE 2: AERIAL PHOTO
Apex Village
500-610 E Williams Street
Apex, Wake County, Georgia



LEGEND

GW-1 Geoprobe Sampling Groundwater Location

S-1 Geoprobe Sampling Soil Location

Photo Source: Google Earth

ENVIRONMENTAL SERVICES

FIGURE 3: SAMPLE LOCATION MAP
Phase II Subsurface Investigation
January 23, 2013
Apex Village
500-610 E Williams Street
Apex, Wake County, Georgia

APPENDIX A

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

RESUME OF: Daniel L. Centofanti, PG

EDUCATION

B.S., Environmental Geology, 1990. ***Georgia State University,***

PROFESSIONAL EXPERIENCE

In May 1997, Mr. Centofanti founded Mill Creek Environmental Services, Inc. (MCES) to serve his existing clients. Since that time, Mr. Centofanti has overseen MCES' growth into a small consulting company servicing such clients as Colonial Pipeline Company, the Georgia Environmental Facilities Authority, and Paulding County Board of Commissioners. Duties include all aspects of small business operation, client development, project management and project services. Mr. Centofanti has served as Project Manager on several key projects, including the Paulding County Landfill where he has completed detailed plans for the assessment and remediation of a chlorinated hydrocarbon plume, methane monitoring and abatement, site suitability studies for the expansion of permitted property lines, and cap designs for source control and facility closure. Responsibilities at MCES also include Professional Geologist review, technical direction, and oversight of a wide variety of projects including petroleum releases, hazardous and industrial facility investigation and property transactions, solid waste facility assessments and permitting, stormwater and Phase II NPDES monitoring programs, wetlands and stream delineations, streambank restorations, and many other environmental issues. Mr. Centofanti has served as Professional Geologist and Technical Director for 7-14 employees during the 15-years operating MCES.

Mr. Centofanti also has extensive experience as a Certified Soil Classifier where he has directed hundreds of soil classification projects for on-site sewage management systems. He has also designed many septic systems and provided cost effective solutions for failing septic systems. Additional experience includes direction of hundreds of property transaction related investigations, including Phase I and Phase II Environmental Site Assessments, Transaction Screening Processes, and Level 2 and 3 Soil Surveys, water-supply evaluations, and related projects.

Mr. Centofanti is also a Level II Certified Design Professional, licensed by the GSWCC for preparing Erosion Sedimentation and Pollution Control Plans, Comprehensive Monitoring Plans, and designing best management practices for a wide variety of sites. Mr. Centofanti also has a Georgia Class 4 Water operator license and has directed the permitting, installation, and operation of small non-community public water systems.

Prior to starting MCES, Mr. Centofanti spent 6 years in the employment of Environmental Corporation of America, (Parsons) Engineering-Science, Inc., and other consulting companies and government agencies. During this time Mr. Centofanti acted as a client liaison for several major petroleum companies assisting in the management of petroleum releases. His responsibilities included all aspects of project execution, budget management and regulatory interfacing. Mr. Centofanti is highly experienced in site remediation activities such as system operations, maintenance, site monitoring, groundwater modeling, and aquifer evaluation. In addition to these capabilities, Mr. Centofanti acted as the Task Manager for the Geology and Soils sections of Ocoee Olympic Whitewater Venue Environmental Impact Statement prepared for the USFS.

PROFESSIONAL CAPABILITIES

Mr. Centofanti's investigation capabilities include completion of soil baseline studies, soil erosion and sedimentation impact assessments, hydrogeologic investigations, aquifer analysis, fracture trace analysis, well packer testing, air permeability testing, biorespiration testing, soil gas surveys, geophysical logging, drilling, and land surveying. He has overseen or personally completed several hundred petroleum related site closures, assessments, and remedial action plans that required monitoring well installation, soil boring and classification, potential receptor surveys, risk analysis, utility surveys, records reviews, land surveying, and detail report preparation.

His remediation capabilities include multi-phase system design and installation for soil and groundwater applications, in-situ remediation system installation including chemical oxidation, air sparging, monitored natural attenuation, and bioremediation., as well as ex-situ remediation systems including soil vapor extraction, pump and treat, and excavation. His ecological experience includes wetland delineation, stream determination, and stream classification and restoration. Mr. Centofanti's solid waste capabilities include multi-level monitoring well installation, groundwater sampling, statistical evaluation of data, permit modifications, methane gas surveys and abatement plans, and many others.

He is currently responsible for the supervision of all field personnel, budget planning and tracking, subcontractor procurement, report preparation, and client relations in addition to his responsibilities running the company.

CERTIFICATIONS, REGISTRATIONS, AND AFFILIATIONS

Professional Geologist Registrations:

Georgia #1321
North Carolina #1557
South Carolina #2124
Tennessee #3739
Alabama #250
Mississippi #0121

ASTM Environmental Professional
Certified Soil Classifier for On-Site Sewage Treatment Systems, March 21, 2001
Certified Soil and Erosion Control Technician
GSWCC Level II Design Professional, Certificate #0000054973
Georgia Class 4 Water Operator, License #W4-002262

OSHA HAZWOPER Hazardous Materials Technician (40 hours)
OSHA 8-Hour Refreshers, 1991-2011
Standard First Aid and Adult CPR, 2010

American Institute of Professional Geologists MEM-0394
Georgia Groundwater Association
National Ground Water Association
Atlanta Geological Society
Georgia Water Pollution Control Association

APPENDIX B

SITE PHOTOGRAPHS

Western portion of Subject Property, looking south from Williams Street

Eastern portion of Subject Property, looking south from Williams Street

Subject Property, looking east from Short Street

Williams Street frontage, looking southeast

James Street frontage, looking west

Eastern property boundary, looking south

Short Street frontage, looking south

Adjoining property, northwest corner of Subject Property

Adjoining property to north of Subject Property

Carquest Auto Parts, northeast portion of Subject Property

Warehouse and former car wash, southeast portion of Subject Property

Service bays, Southern Tire Sales. Used oil piping at bottom left of photo.

Piping from building to used oil UST

Looking east from inner courtyard, Southern Tire Sales on left, R&J Auto Repair on right

Inner courtyard looking north, Southern Tire Sales on right

Oil drums in northern portion of courtyard

Inner courtyard looking north. R&J Auto Repair on right. Apex Wings on left. Air compressor in cage on right.

Aboveground hydraulic lifts, interior of R&J Auto Repair.

APPENDIX C

ESA USER QUESTIONNAIRES

APPENDIX D

PREVIOUS PHASE I ENVIRONMENTAL SITE ASSESSMENT REPORT
MARCH 1999

Phase I Environmental Site Assessment

Apex Village Property
Apex, Wake County
North Carolina

Prepared for:

Trademark Properties
4000 Blue Ridge Road
Raleigh, North Carolina
27612

Issued by:

Ed Aguirre & Associates, Inc.
P.O. Box 6271
Raleigh, North Carolina
27628-6271

March 1999

Edward G. Aguirre, P.G.
President

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EXECUTIVE SUMMARY

The subject property consists of an approximate 5.8-acre tract of land located at the 500 block of E. Williams Street (NC Highway 55), Apex, Wake County, North Carolina. The subject property was developed between 1970 and 1990 and consists of a mixed-use development including six building totaling 70,789 square feet and an asphalt parking lot. The subject property, which is zoned SC (shopping center), is utilized as retail space, service garage space, warehouse space, and a six (6) bay car wash. The topography is gently rolling with an elevation ranging from 480 feet to 470 feet above mean sea level.

The surrounding properties to the south and west are residential properties, the properties to the east are commercial and the property to the north is the Apex Middle School campus. No wetland type vegetation was observed on-site during the site inspection.

No hazardous waste was observed on the subject property. However, petroleum products and/or chemicals are reportedly on the subject property at various retail businesses in the form of packaged petroleum products, paints, fertilizers, herbicides, and pesticides. All packages were observed in their original containers and no signs of incidental spills or releases were observed.

There are no adjacent high-risk sites except for a private residence located at 426 Cooke Street. One dispenser and UST were observed on the driveway off of Short Street approximately 50 feet west of the subject property. At the time of the site inspection, there have been no reportable releases from this property.

No potable wells were observed at the adjacent properties. Although, a thorough inspection of these properties was not part of this assessment, potable wells and septic tanks may also be present.

Two groundwater monitor wells were observed on the subject property. A release of petroleum product was reported during the removal of three USTs in 1993. Reportedly, a convenient mart operated the USTs from 1965 to 1982 when the tanks were emptied. A review of the UST Closure Report indicates that soil contamination is present. However, groundwater samples obtained in December 1994 do not indicate petroleum constituents above the North Carolina Department of Environment and Natural Resources, Division of Water Quality action limits.

In addition, a 500-gallon tank and miscellaneous debris was observed behind an All Pro Super Auto Parts store and Southern Tire and Sale as well as an isolated area of surface staining.

There was no other evidence of environmental impact noted on the subject property during this Environmental Site Assessment.

1.0 INTRODUCTION

At the request of Mr. Ken Lucas of The Tar Heel Companies of NC, Ed Aguirre & Associates, Inc. (EA) is submitting copies of the Phase I Environmental Site Assessment originally performed for and submitted to Mr. Alton Smith of The Trademark Properties. Representatives of EA performed a Phase I Environmental Site Assessment on the Apex Village Property located at the 500 block of E. Williams Street (NC Highway 55), Apex, Wake County, North Carolina (see Figure 1). The principal objective of this assessment is to identify potential environmental liabilities associated with the present and historical use of the property, the physical condition of the grounds, the existing operational practices, and any impact from surrounding areas. The assessment consisted of an on-site inspection, discussion with available facility representatives, a review of pertinent regulatory agency files, and an evaluation of potential liabilities.

During the assessment, EA personnel trained to recognize both short and long-term actual and potential environmental hazards and liabilities employed standard environmental investigation procedures. Although the assessment was thorough, the conclusions provided herein are based upon information provided to EA and are, therefore, no guarantee that additional problems will not arise in the future. EA did not perform environmental sampling or analysis during this assessment, but reviewed available data in the facility and regulatory agency files. EA does not provide any warranty for this property or certify future use of the property solely based upon this assessment. This assessment was conducted in accordance with ASTM 1527-97 "Standard Practice for Environmental Site Assessment Process".

2.0 PROPERTY DESCRIPTION

2.1 Site Description

The subject property consists of an approximate 5.8-acre, tract of land located at the 500 Block of E. Williams Street (NC Highway 55), Apex, Wake County, North Carolina. The subject property is a mixed-use development consisting of six buildings, totaling 70,789 square feet of gross building area. Minimal landscaped borders are located along the west and north property borders. The remaining surface areas are asphalt pavement and grassed borders behind the retail space and service garage space.
Appendix A contains photographs of the subject property.

2.2 Facility Operations

The subject property is developed and utilized as retail space, service garage space, warehouse space, and a six-bay car wash. There are no facility operations (see Appendix C for tenant list).

2.2.1 Utilities

Municipal water and sewer is available from the Town of Apex, North Carolina. Electric service is available by CP&L, natural gas by Public Service Gas Co., and telephone service by BellSouth.

2.3 Topography

The topography of the subject property ranges from approximately elevation 470 to 480 feet above mean sea level according to the Apex Quadrangle. The topography of the subject site is gently rolling with fall to the southeast.

The nearest stream or waterways is an unnamed tributary to Middle Creek located along the east property border

2.4 Soils and Geology

The USDA Soil Conservation Service Soil Survey of Wake County indicated that the subject soils are of the Mayodan-Granville-Creedmoor Association. This soil association consists of gently sloping to moderately sloping, steep, deep, well to moderately drained soils that have a subsoil of sandy clay loam to very firm clay derived from sandstone and shale.

The geology consists of Arkosic sandstone, conglomerates, fanglomerates, and mudstone of the Chatham Group, located within the Triassic Basin Physiographic Province.

2.5 Fill Materials

Site observations did indicate the presence of minor fill placement towards the south end of the subject property in the vicinity of the retail space and automobile service tenants.

2.6 Groundwater Depth and Flow

The general depth to non-perched surficial groundwater in the vicinity of the subject property is approximately 10' to 11' feet below ground surface during the wet season. Surficial groundwater flow typically follows the surface of competent soil formations, which in turn generally runs parallel to surface topography. Locally, the surfical groundwater flow is to the east/southeast based on the U.S.G.S. Apex Topographic Map. Regionally, groundwater flow is to the southeast towards Jordan Lake. However, the underlying sediments as described in section 2.4 lends to unpredictable variations of groundwater flow directions.

2.7 On-site Wells

No water wells were observed to be on the subject property. Potable water is available from the Town of Apex, North Carolina municipal water system. Division of Water Quality personnel reported that the water supply meets federal and state requirements

3.0 SURROUNDING PROPERTIES

3.1 Description of Surrounding Properties

The subject property is located on E. Williams Street (NC Highway 55), north of James Street, and southeast of downtown Apex, North Carolina. Two active retail petroleum facilities are located within 0.25 miles of the subject property. The following is a specific description of adjacent properties:

- **North** NC Highway 55 and Apex Middle School Athletic Field,
- **Northeast** Merita Bread Thrift Store and Residential Properties ,
- **Northwest** Apex Middle School Campus ,
- **South** James Street, wooded land, and Perry Village Residential Subdivision ,
- **Southeast** Woods,
- **Southwest** Perry Village ,
- **East** RIZ RAZ Café and APEX Motor Werkes,
- **West** Short Street and Residential Properties.

3.2 Adjacent High Risk Sites

Based on a review of available environmental databases and the site reconnaissance, there are no adjacent high- risk sites except for a residence located at 426 Cooke Street. The resident maintains a fuel dispenser and UST which is located off a driveway of Short Street. At the time of this site inspection, there have not been any reportable releases from this facility. However, the UST is being used for private consumption and incidental spills or overfilling may have occurred.

3.3 Wells in the Vicinity of the Subject Property

EA personnel did not observe signs potable water wells on surrounding properties. A thorough inspection of other adjacent properties was not conducted and wells may be present that may have been screened by vegetation or structures.

4.0 HISTORICAL USAGE

4.1 Interviews

According to Mrs. Mildred Niverson, current property owner, the property had been partially developed when the property was purchased in the mid 1970's. A convenient mart was present as well as Southern Tire and the car wash. In addition, one residential structure was present. The Niversons subsequently developed the property into its present configuration. The convenient mart has since been closed. The details pertaining to a release of petroleum product at the convenient mart can be found in section 7.0 and 9.1 of this report. No fires have been reported at the subject property and there have not been any emergency responses since the development of the property.

Reportedly, the Niverson family purchased the subject property from Mr. Harvey Monatgue.

4.2 Aerial Photograph Review

Three aerial photographs were reviewed as part of this Phase I Environmental Assessment. These photographs were dated 1958, 1965 and 1990.

The 1958 photograph was reviewed at the Wake County GIS office, Raleigh, North Carolina. The photograph shows the subject property to be primarily cultivated farmland with two residential type structures fronting E. Williams Street. The school campus can be seen to the north. The surrounding property land use is agricultural.

The 1965 aerial photograph was obtained from the USDA Soil Conservation Service, Wake County, North Carolina office shows the subject property to be the same except absent of row crop farmland. Residential properties can be seen to the west and additional development can be seen along E. Williams Street.

The 1990 aerial photograph obtained from the Town of Apex, shows the subject property to be developed with two structures and a car wash is present. The surrounding properties have been developed into their current configuration except to the south which appears to be farmland.

4.3 Chain of Title

A 50 year chain of title was not conducted as part of this assessment. If one becomes available, an addendum will be submitted to this report.

5.0 PETROLEUM AND HAZARDOUS MATERIALS

5.1 Material Storage

Material storage was observed on site in the form of petroleum, lubricants and/or cleaners.

All Pro Super Auto Parts maintains an inventory of package petroleum products for retail sales. Apex ACE Hardware also maintains package petroleum products, paint, fertilizer, and packaged herbicides and pesticides. Apex Printing uses water soluble inks in the printing operation. All materials were found in their original containers with no indication of spillage.

5.2 Waste Storage

Waste storage was not observed on the subject property.

6.0 WASTE DISPOSAL

6.1 Solid Waste

The subject property contains several on-site containers for solid waste at this time. No haphazard dumping was noted associated with the dumpsters.

6.2 Recyclable Wastes

The subject property has several containers on site for recycling cardboard.

6.3 Wastewater

The subject property generates only sanitary wastewater from the retail and office businesses at this time.

6.4 On-Site Septic Systems

There is no known on-site septic system on the subject site.

6.5 Hazardous Waste

No evidence of hazardous waste was observed during the site visit.

6.6 Medical Waste

No evidence of medical waste was observed during the site visit.

7.0 SPILLS AND RELEASES

7.1 Soil Contamination

No visible evidence of surficial soil contamination or extensive vegetative distress was observed during the site visit. The majority of the subject is asphalt pavement, however an isolated area of surface staining was noted behind All Pro Super Auto Parts and Southern Tire and Sales. A 500 gallon tank is present in the immediate area along with miscellaneous auto parts.

7.2 Groundwater Contamination

Two ground water monitor wells were observed on the subject property in front of Southern Tire and Sales. A review of an available UST Closure Report and subsequent correspondence indicates that a release of petroleum was encountered during the removal of 3-USTs at the former convenient mart in 1993. Reportedly, the convenient mart operated the USTs from 1965 to 1982. Although there is evidence of soil contamination present in the UST tank pit, groundwater quality samples obtained by another consultant did not detect petroleum constituents above the North Carolina Department of Environment and Natural Resources, Division of Water Quality action limit.

7.3 Other Known Contamination

No other evidence of site related contamination was discovered as part of this site assessment

8.0 SURFACE AND STORM WATER

8.1 Surface Water on or near the Site

An unnamed tributary to Middle Creek defines a portion of the east property border.

8.2 Storm Water Discharge

Storm water flowing overland on the subject property is collected by natural and manmade drainage easements along E. Williams Street, a private drive that bisects the site.

8.3 NPDES Permit

There was no available evidence of any National Pollutant Discharge Elimination System (NPDES) permit or any state discharge permit having been issued for the subject property. There are no operations located on the property that would require a permit for discharges to the POTW in order to perform their typical operations.

9.0 REGULATORY REVIEW

9.1 Environmental Database Review

As part of this assessment, EA reviewed the following environmental databases which were provided by the state of North Carolina. In addition, Ed Aguirre & Associates, Inc., reviewed all information provided by EDR, Inc., a subcontractor of EA and made field observations of those sites /properties reported in order to assess the potential for an environmental impact to the subject property. In some instances, the search criteria used be EA may have exceeded the required ASTM search radius.

Information presented in the following table is listed according to the ASTM radius. In addition, sites are reported outside of the search radius if the specific site presents a significant potential for environmental impact.

Database	Radius Searched	Sites	Discussion
EPA RCRA	Adjacent properties	0	None
EPA CERCLA	0.5 Mile	0	None
EPA TRI Listing	1 Mile	0	None
EPA NPL site	1 Mile	0	None
State UST	Adjacent	0	None
State Leaking Tank Sites	0.5 Mile	2	Subject Site, Apex, NC. 3 USTs removed in 12-93. Soil Contamination is present, however no petroleum constituents were present in groundwater sample, 12-94. Apex United Methodist Church, Hughes Street, Apex, NC. Site is 1300 feet west and cross gradient. This site does not present an environmental concern to the subject property.
EPA ERNS listing	Property only	0	None
EPA civil	1 mile	0	None
Solid waste facilities	County Listing	0	None

Approximate distances to the subject property presented in the text above may differ from those presented in the database reports. The distances presented in the text above were field verified upon conducting the field reconnaissance and represent the most accurate data.

Sites with incomplete address information are un-plottable based on the database review. Frequently, rural site are not plotted due to the nature of the address (e.g. Route 15, Box 225, ect.). An automobile reconnaissance was conducted within a 0.75 mile radius of the subject property in order to catalog property types that may harbor sites containing environmentally significant operations or conditions. This reconnaissance was cross referenced with the un-plottable site list in order to determine if any un-plottable sites are within 0.25 miles of the subject property. No un-plottable sites were identified during the automobile reconnaissance or map review.

9.2 Compliance Review

No issues of environmental non-compliance were noted at the subject property.

9.2.1 Air Quality

There was no available evidence of toxic air contaminants at the subject property during the site visit. There was no available evidence of air quality problems associated with the subject property.

10.0 STORAGE TANKS

10.1 On-site Storage Tanks

No on-site storage tanks are present on the subject property.

10.2 Off-site Storage Tanks

There was evidence of one off-site petroleum storage tank. One UST is located at the private residence at 426 Cooke Street. The dispenser and UST are located on a driveway off of Short Street.

Owner	Location	Distance/ Upgradient	Number of Tanks	Reported Leaks
Unk	50' west	upgradient	1	None reported

11.0 Building and Equipment Related Issues

11.1 Asbestos

A survey for asbestos containing building materials (ACMs) was not conducted as part of this assessment.

11.2 Lead-based Paint

No survey was conducted for lead-based paint as part of this assessment.

11.3 Lead in Drinking Water

No survey was conducted for lead in drinking water as part of this assessment.

11.4 Radon

No survey was conducted for radon as part of this assessment.

11.5 PCBs

No survey for PCBs was conducted as part of this assessment.

12.0 NATURAL RESOURCES

12.1 Wetlands

A National Wetlands Inventory (NWI) Map, prepared by the U.S. Department of Interior's USFWS, was not available for review to determine whether the subject property lies within a mapped wetland area. However, no wetland type vegetation was observed during this site inspection.

12.2 Endangered and Threatened Species

No endangered or threatened species survey was warranted for this survey.

13.0 CONCLUSIONS

13.1 Conclusions

The following conclusions are drawn from information gathered as part of this environmental site assessment which indicate environmentally significant issues:

The subject property consists of an approximate 5.8 acre tract of developed land located at the 500 block of E. Williams Street, Apex, Wake County, North Carolina. The subject property includes six buildings totaling 70,789 square feet which are presently utilized as retail space, service garage space, warehouse space and a six bay car wash. The surrounding properties to the south and west are residential properties, the properties to the east are commercial, and the Apex Middle School campus is located to the north. These properties do not present a high risk or environmental concern to the subject property except for a private residence at 426 Cooke Street. One dispenser USTs was observed behind the residence off of Short Street approximately 50 feet west of the subject property. Reportedly, there are no reports of releases of petroleum at this site.

No hazardous waste is located on the subject property. No haphazard dumping was noted and the subject property was in good order. No signs of surface staining or vegetative distress were noted except for the area behind All Pro Super Auto Parts Store and Southern Tire and Sales. .

Petroleum products, cleaners, paint, fertilizer, herbicides, pesticides, and water soluble inks were observed at various retail businesses in their original packaged containers. No spills or leaks were noted.

One release of petroleum product was reported at the subject property. Soil contamination is present in the vicinity of 3 former USTs. A subsequent groundwater evaluation by another consultant indicates that the groundwater does not contain petroleum constituents above the NCDENR action limits.

No other site related environmental concerns were identified during this assessment.

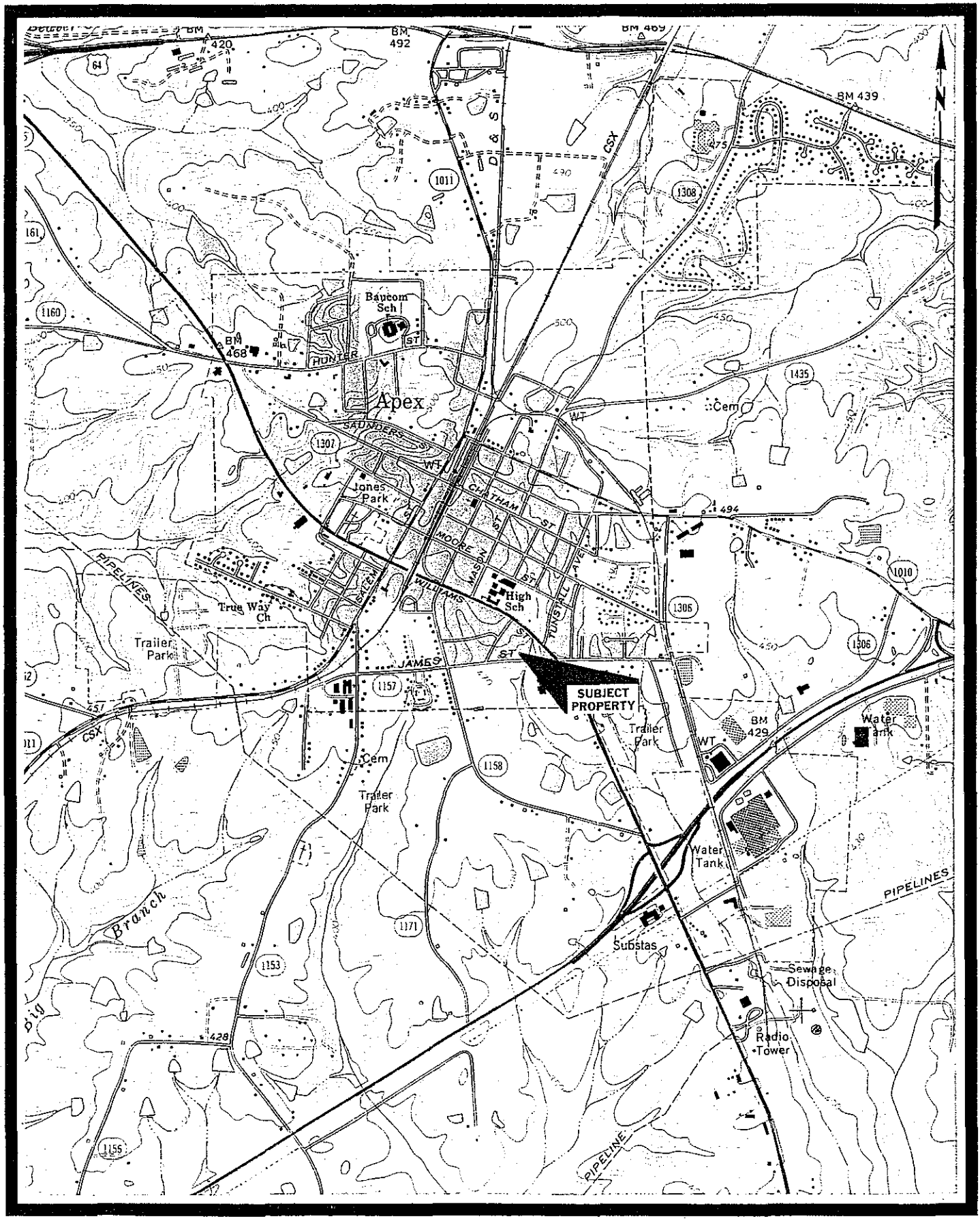
13.2 Recommendations

EA has the recommendations for the subject property:

Remove and properly dispose of the 500 gallon tank, debris, and surface soil from the area behind the All Pro Super Auto Parts store and the Southern Tire and Sales building.

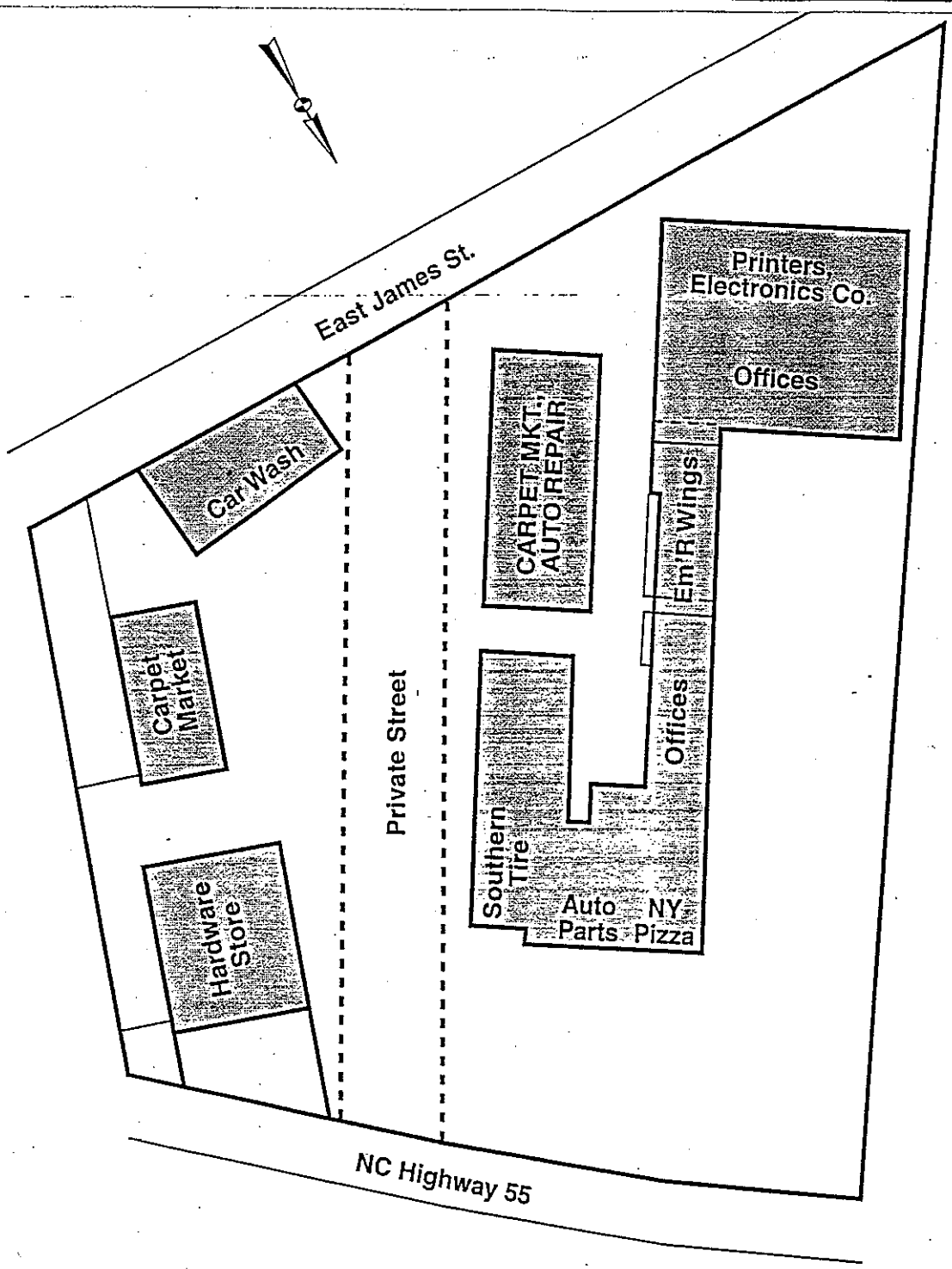
Petition the NCDENR to submit a "No further action letter" pertaining to the release of petroleum product at the former convenience mart.

FIGURES



APEX QUADRANGLE
NORTH CAROLINA–WAKE CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)

Site Location



APEX VILLAGE RETAIL CENTER
Apex, North Carolina

ED AGUIRRE
& ASSOCIATES, INC.

Figure 2

APPENDICES

Appendix A

Site Photographs

Photo # 1 View of Apex Village, North Property Line Facing East Apex, North Carolina

Photo # 2 View of Western Property Border

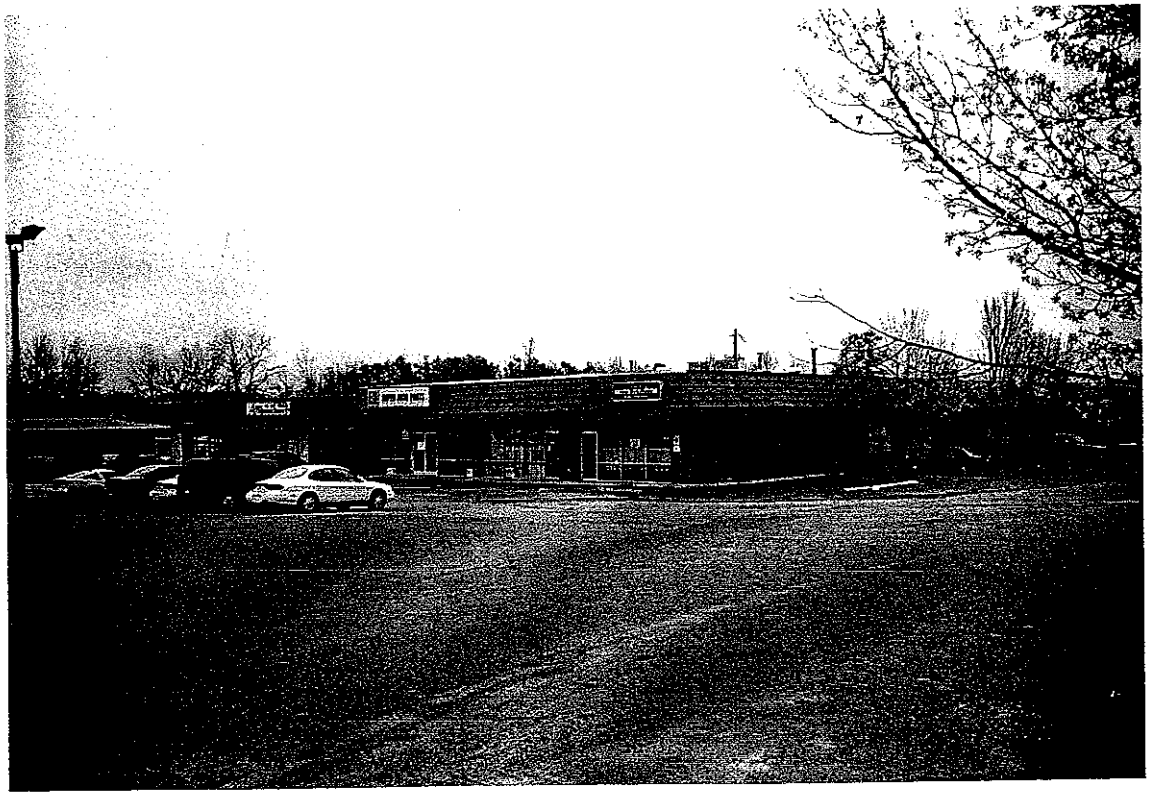


Photo # 3 View of Commercial Complex facing South from NW Corner

Photo # 4 View of Southern Tire Sales and Service

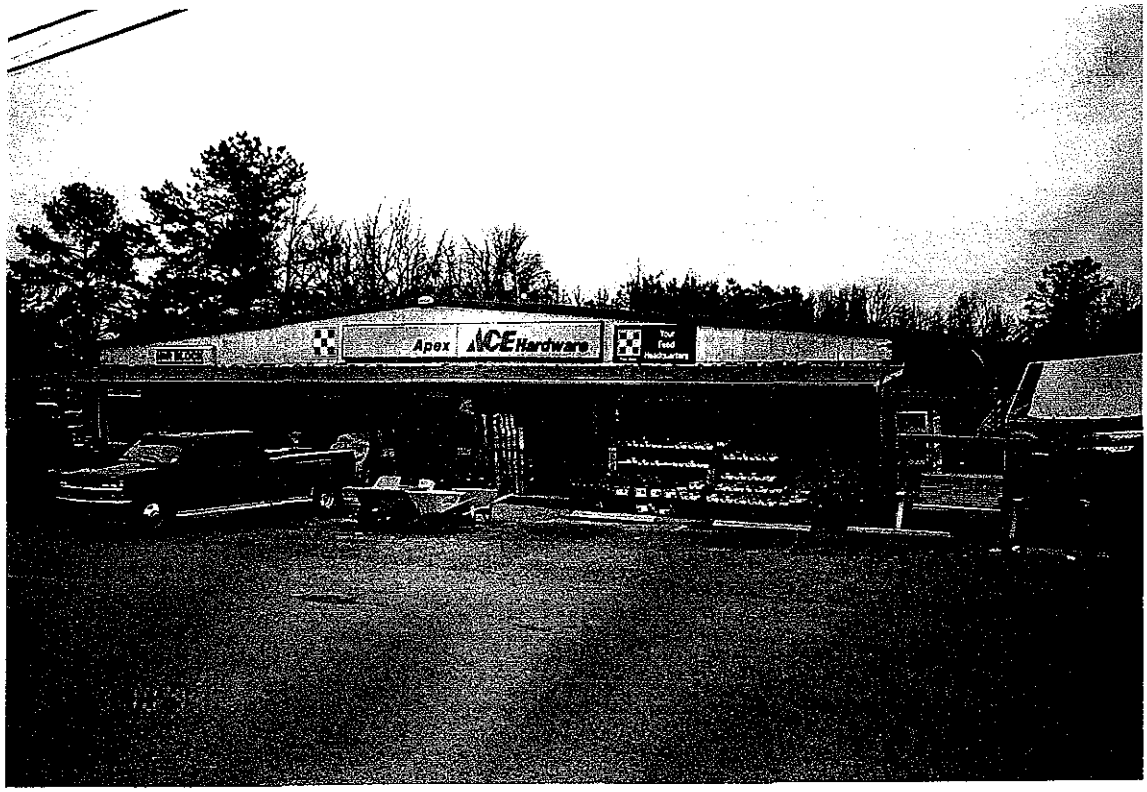


Photo # 5 View of ACE Hardware at NE Property Corner

Photo # 6 View of Rear of ACE Hardware

Photo # 7 View of RIZ RAZ Restaurant East of NE Corner

Photo # 8 View of APEX Motor Werkes East of SE Property Corner

Photo # 9 View of Apex Middle School North across E. Williams Street

Photo # 10 View of South Property Line facing West

Photo # 11 View of Wooded Land South of SE Property Corner across James Street

Photo # 12 View of Residential Subdivision South of SW Property Corner

Photo # 13 View of RJ Mechanical Welding at South End of Property

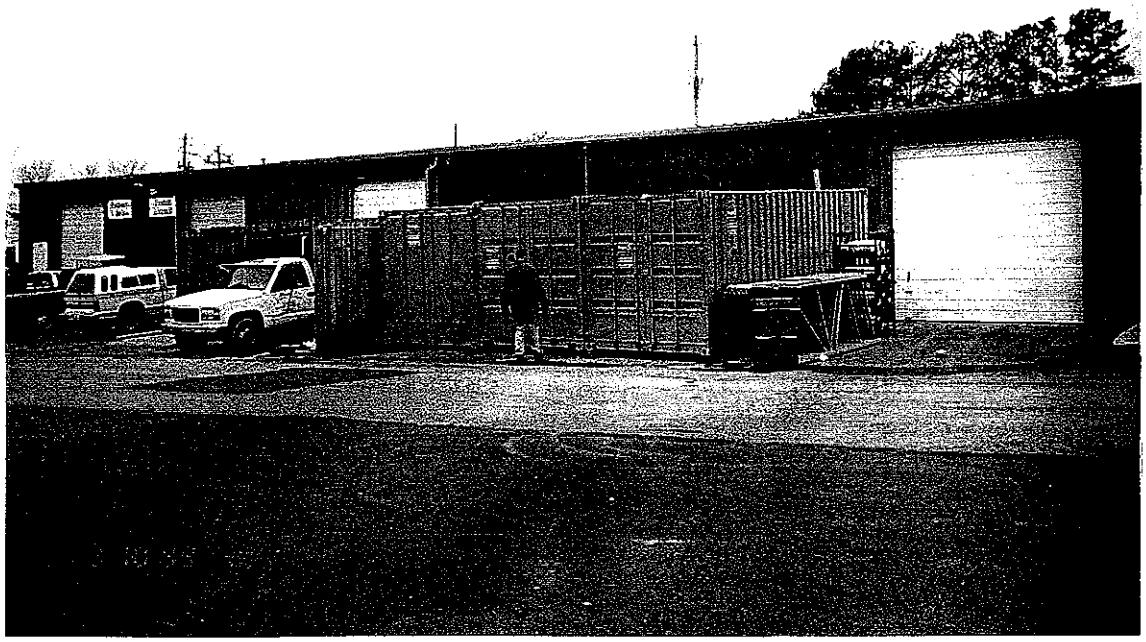


Photo # 14 View of Carpet Market and Solid Waste Containers

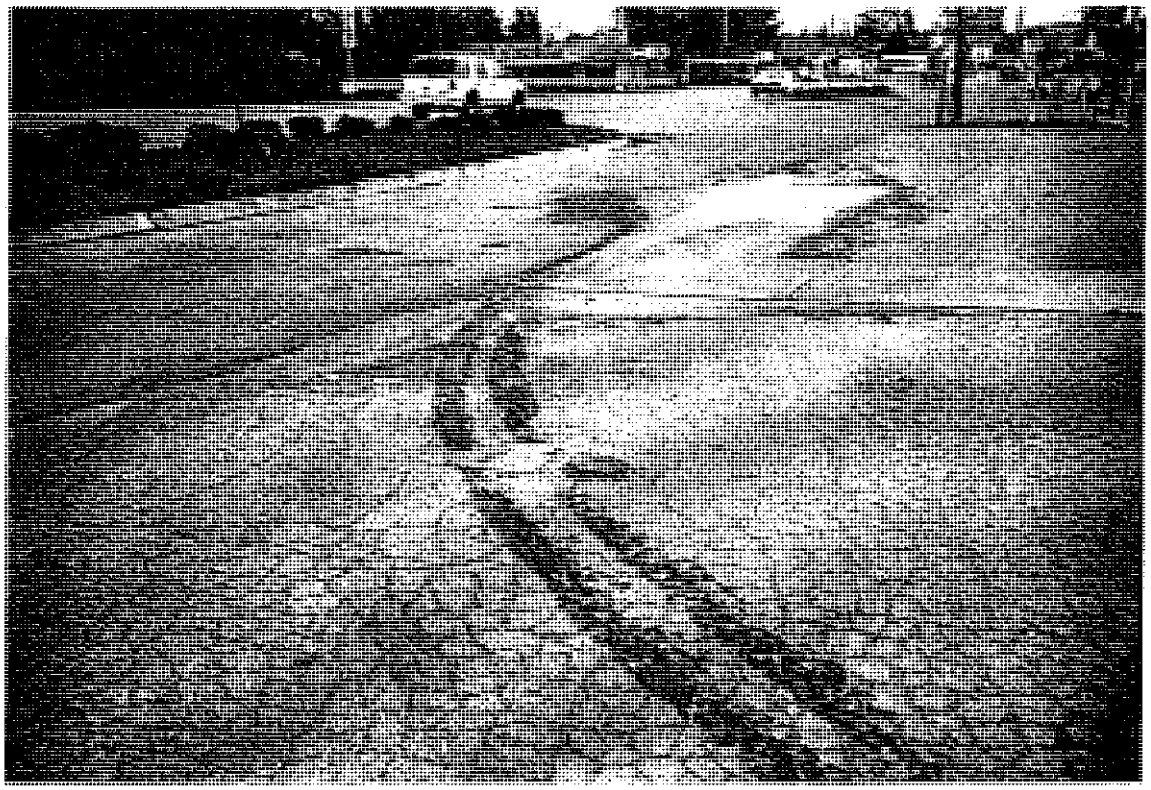


Photo # 15 View of Monitor Well and Former location of UST

Photo # 16 View of Dispenser and UST at Private Residence off of Short Street

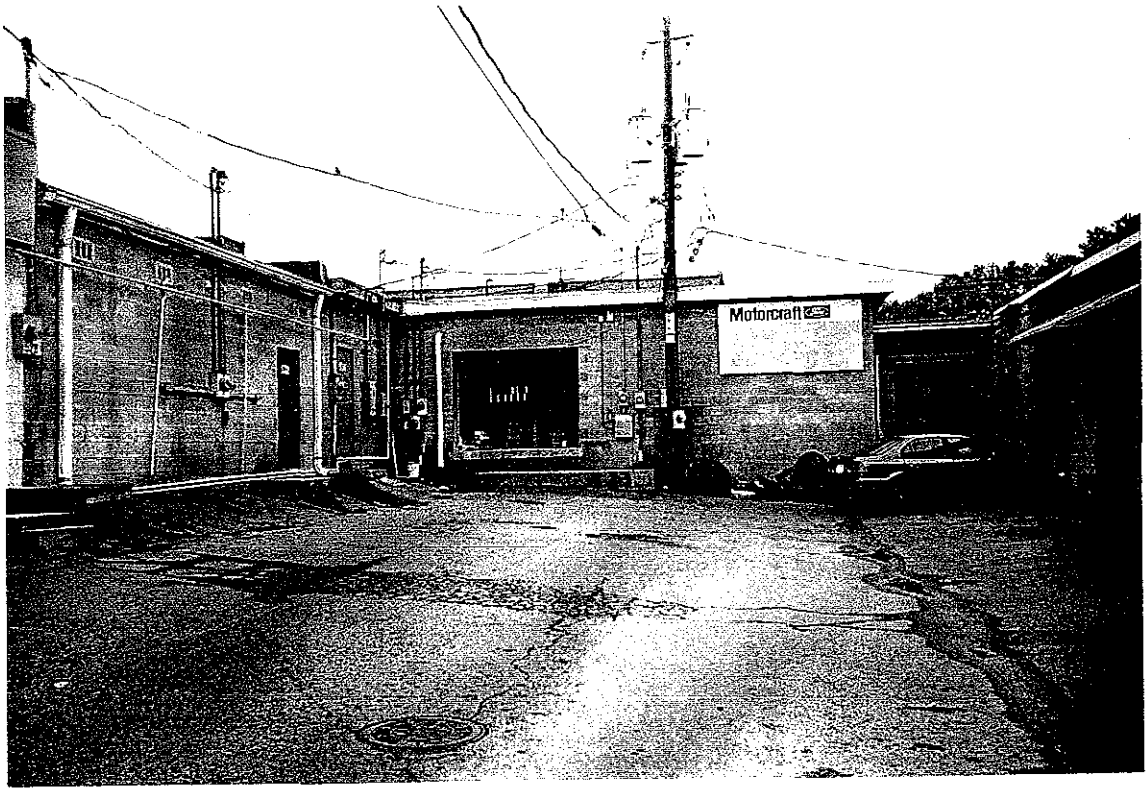


Photo # 17 View of Loading Area for Auto Parts and Southern Tire Sales

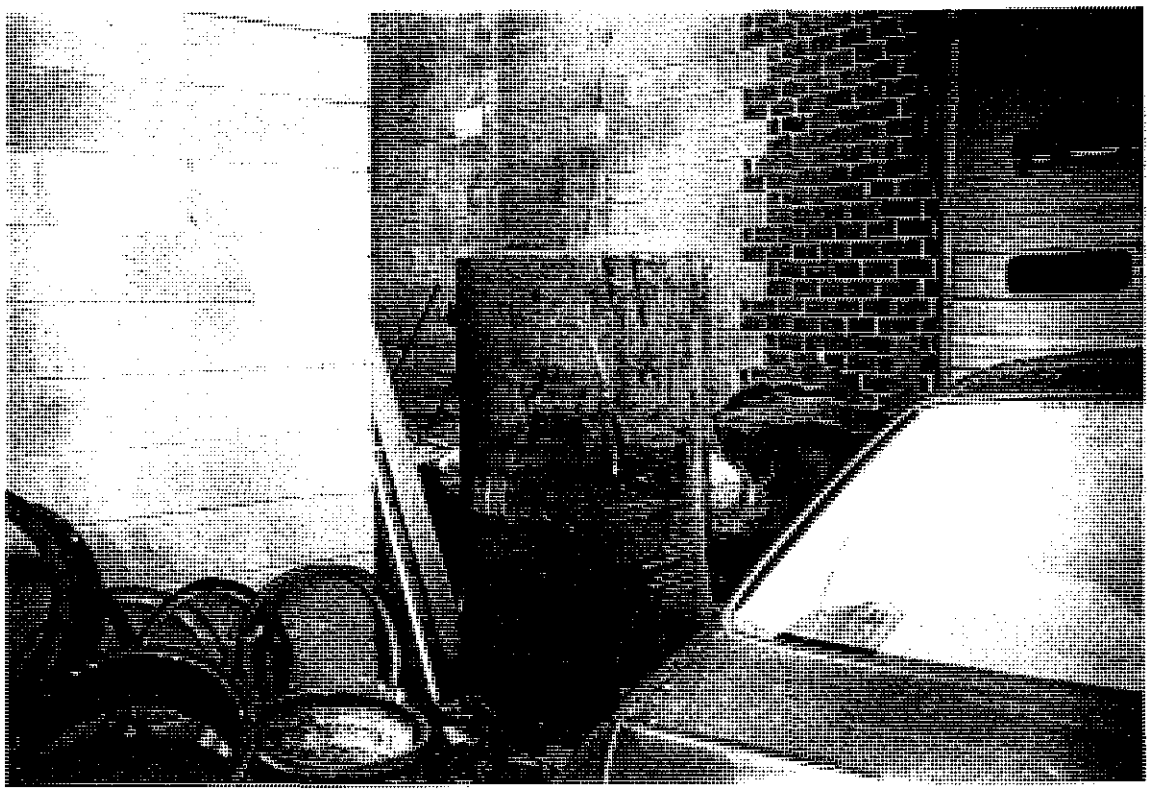


Photo # 18 View of 500 Gallon Tank, Auto Parts, Stained Soil and misc. Debris

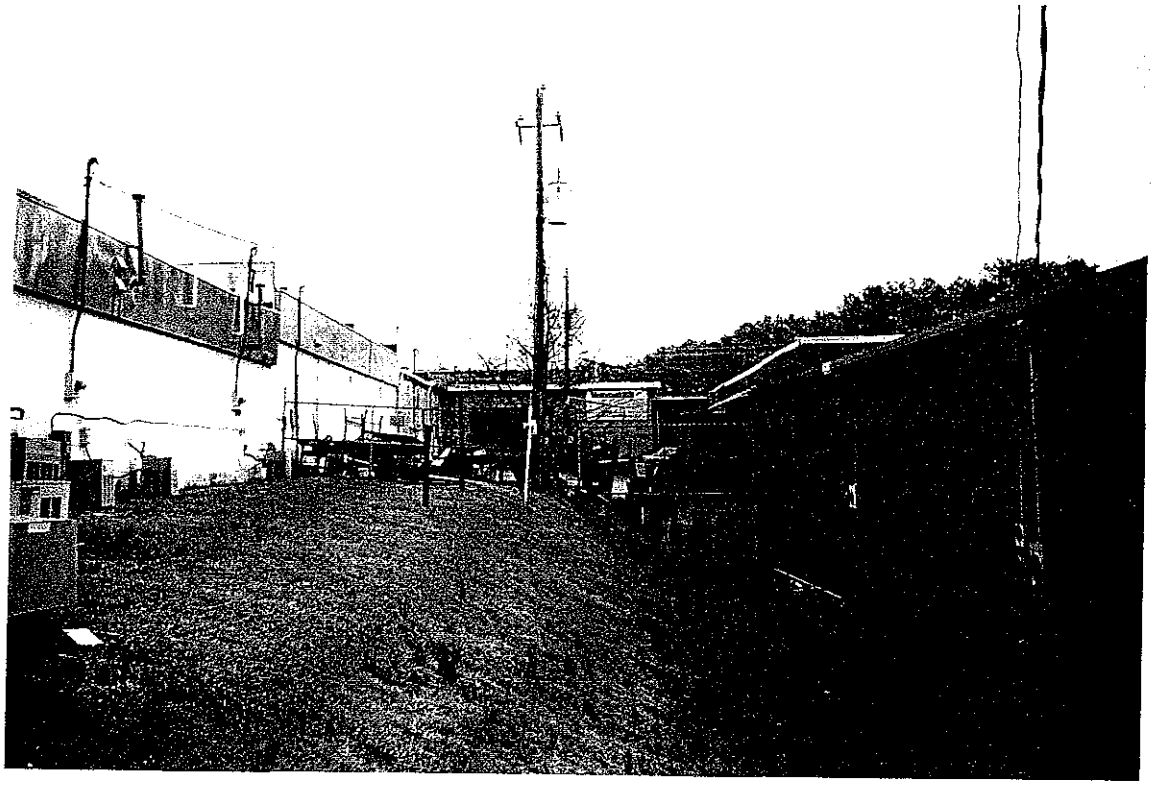


Photo # 19 View of Area between Commercial Businesses and Carpet Market

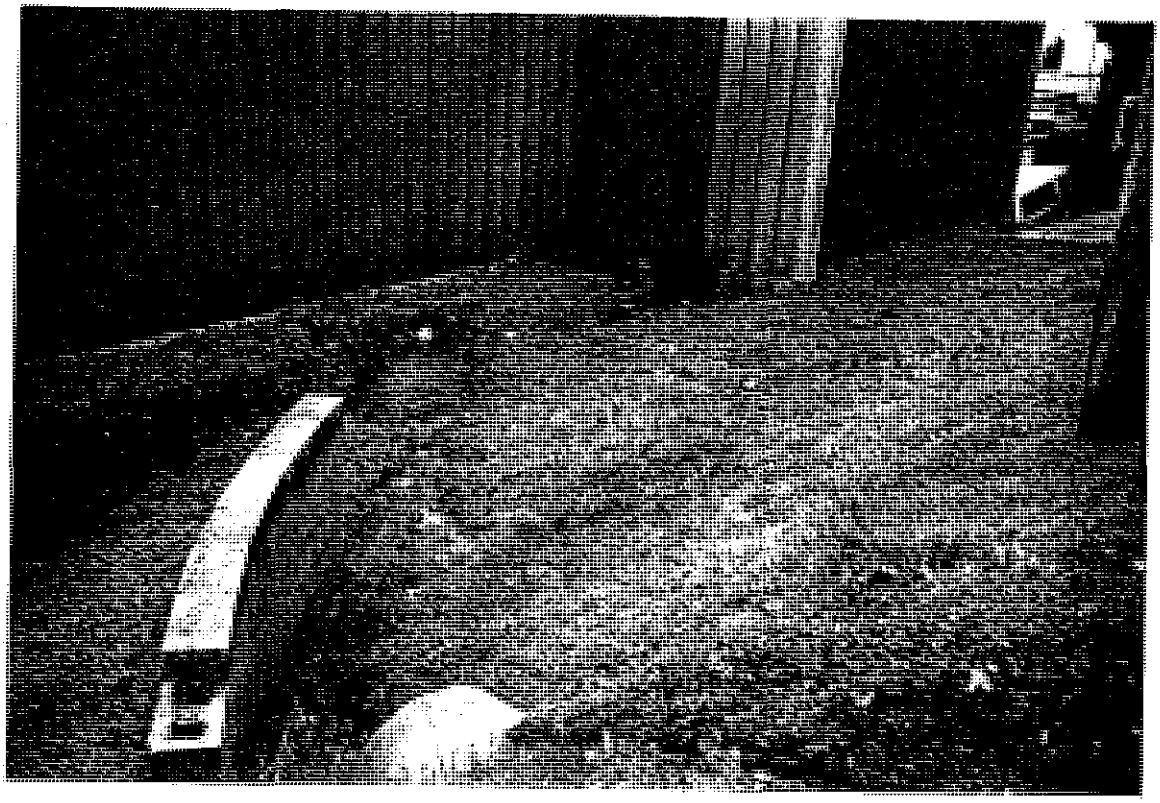


Photo # 20 View of Storm Water Drainage Commercial Businesses towards RJ Welding

Appendix B

EDR-Transaction Screen Map Report

The EDR-Transaction Screen™ Map Report

Apex Village
512 East Williams Street
Apex, NC 27502

Inquiry Number: 339748.1s

February 18, 1999

Environmental Data Resources, Inc.
an edr company

The Source For Environmental Risk Management Data

3530 Post Road
Southport, Connecticut 06490

Nationwide Customer Service

Telephone: 1-800-352-0050
Fax: 1-800-231-6802
Internet: www.edrnet.com

EXECUTIVE SUMMARY

The EDR-Transaction Screen Map Report is a screening tool which maps sites with potential liability or existing environmental liabilities. Specified government databases are searched in accordance with ASTM Standard E 1528-96.

The ASTM E 1528-96 Transaction Screen property due diligence standard consists of four major components: a government records check, an historical inquiry, an owner/occupant questionnaire, and a site survey. This report contains the results of the government records search on the target property and surrounding area in accordance with the government records search requirements of the ASTM E 1528-96 standard.

The results of the government records search in accordance with **QUESTIONS 21 and 22** (page 12) of the standard indicated the following:

QUESTION 21
*Do any of the following **Federal** government record systems list the property or any property within the circumference of the area noted below:*

National Priorities List (NPL)	☐ on the property	☐ Within 1 Mile
CERCLIS List	☐ on the property	☐ Within 1/2 Mile
RCRA-CORRACTS Facilities	☐ on the property	☒ Within 1 Mile
RCRA-TSD Non-CORRACTS Facilities	☐ on the property	☐ Within 1/2 Mile

QUESTION 22
*Do any of the following **state** government record systems list the property or any property within the circumference of the area noted below:*

State equivalent to NPL	☐ on the property	☒ Within 1 Mile
State equivalent to CERCLIS	☐ on the property	☐ Within 1/2 Mile
Leaking Underground Storage Tank List (LUST)	☐ on the property	☒ Within 1/2 Mile
Solid Waste/Landfill Facilities (SWF/LS)	☐ on the property	☐ Within 1/2 Mile

*In accordance with Section 5.6 (page 9) of ASTM E 1528-96, if the answer is **(yes) or unknown,** then the user will have to decide what further action, if any, is appropriate. Answers should be evaluated in light of the other information obtained in the transaction screen process. If the user decides no further inquiry is warranted, the rationale must be documented. If the user decides that further inquiry is warranted, it may be necessary to contact an environmental professional.*

Additional Research - Non-ASTM Government Databases

To provide additional information which may assist in the assessment of other components of the ASTM E 1528-96 Transaction Screen, EDR also searches government databases ***not*** included in Questions 21 and 22 of ASTM E 1528-96. For example, by searching the state underground storage tank database (UST), it may be possible to find out if there is a registered storage tank on the target property. This information may be useful in completing the owner/occupant questionnaire, particularly Question 10.

The results of the search of these additional government records indicated affirmative **(yes)** responses on the target property for the following government databases:

No affirmative responses found in the non-ASTM E 1528-96 government databases.

The EDR-Transaction Screen™ Map Report

Apex Village
512 East Williams Street
Apex, NC 27502

Inquiry Number: 339748.1s

February 18, 1999

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EPA Waste Codes	A2
Government Records Searched / Data Currency Tracking Addendum	A4

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

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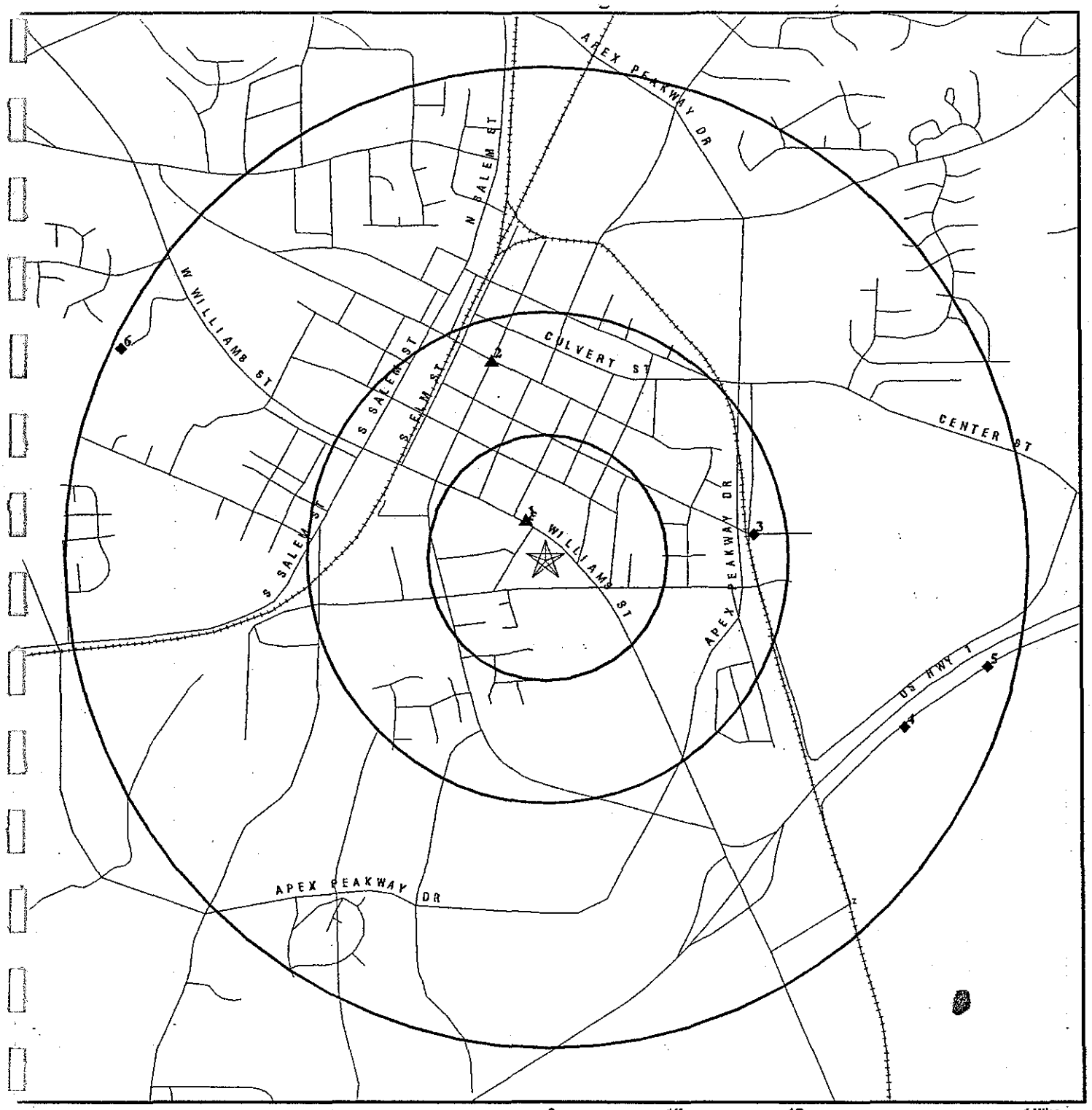

0 1/4 1/2 1 Miles

- Target Property
- Sites at elevations higher than or equal to the target property
- Sites at elevations lower than the target property
- Coal Gasification Sites (if requested)
- National Priority List Sites
- Landfill Sites
- Power transmission lines
- Oil & Gas pipelines
- 100-year flood zone
- 500-year flood zone
- Wetlands per National Wetlands Inventory (1994)
- Hazardous Substance Disposal Sites

TARGET PROPERTY:	Apex Village	CUSTOMER:	Ed Aguirre & Associaltes, Inc.
ADDRESS:	512 East Williams Street	CONTACT:	Ed Aguirre
CITY/STATE/ZIP:	Apex NC 27502	INQUIRY #:	339748.1s
LAT/LONG:	35.7328 / 78.8476	DATE:	February 18, 1999 5:07 pm

EXECUTIVE SUMMARY

The EDR-Transaction Screen Map Report is a screening tool which maps sites with potential liability or existing environmental liabilities. Specified government databases are searched in accordance with ASTM Standard E 1528-96.

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The results of the government records search in accordance with **QUESTIONS 21 and 22** (page 12) of the standard indicated the following:

QUESTION 21
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National Priorities List (NPL)	☐ on the property	☐ Within 1 Mile
CERCLIS List	☐ on the property	☐ Within 1/2 Mile
RCRA-CORRACTS Facilities	☐ on the property	☒ Within 1 Mile
RCRA-TSD Non-CORRACTS Facilities	☐ on the property	☐ Within 1/2 Mile

QUESTION 22
*Do any of the following **state** government record systems list the property or any property within the circumference of the area noted below:*

State equivalent to NPL	☐ on the property	☒ Within 1 Mile
State equivalent to CERCLIS	☐ on the property	☐ Within 1/2 Mile
Leaking Underground Storage Tank List (LUST)	☐ on the property	☒ Within 1/2 Mile
Solid Waste/Landfill Facilities (SWF/LS)	☐ on the property	☐ Within 1/2 Mile

*In accordance with Section 5.6 (page 9) of ASTM E 1528-96, if the answer is **(yes) or unknown,** then the user will have to decide what further action, if any, is appropriate. Answers should be evaluated in light of the other information obtained in the transaction screen process. If the user decides no further inquiry is warranted, the rationale must be documented. If the user decides that further inquiry is warranted, it may be necessary to contact an environmental professional.*

Additional Research - Non-ASTM Government Databases

To provide additional information which may assist in the assessment of other components of the ASTM E 1528-96 Transaction Screen, EDR also searches government databases ***not*** included in Questions 21 and 22 of ASTM E 1528-96. For example, by searching the state underground storage tank database (UST), it may be possible to find out if there is a registered storage tank on the target property. This information may be useful in completing the owner/occupant questionnaire, particularly Question 10.

The results of the search of these additional government records indicated affirmative **(yes)** responses on the target property for the following government databases:

No affirmative responses found in the non-ASTM E 1528-96 government databases.

MAP FINDINGS SUMMARY SHOWING ALL SITES

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
NPL		1.000	0	0	0	0	NR	0
Delisted NPL		TP	NR	NR	NR	NR	NR	0
RCRIS-TSD		0.500	0	0	1	NR	NR	1
State Haz. Waste		1.000	0	0	0	2	NR	2
CERCLIS		0.500	0	0	0	NR	NR	0
CERC-NFRAP		TP	NR	NR	NR	NR	NR	0
CORRACTS		1.000	0	0	1	2	NR	3
State Landfill		0.500	0	0	0	NR	NR	0
LUST		0.500	1	0	1	NR	NR	2
UST		TP	NR	NR	NR	NR	NR	0
RAATS		TP	NR	NR	NR	NR	NR	0
RCRIS Sm. Quan. Gen.		TP	NR	NR	NR	NR	NR	0
RCRIS Lg. Quan. Gen.		TP	NR	NR	NR	NR	NR	0
HMIRS		TP	NR	NR	NR	NR	NR	0
PADS		TP	NR	NR	NR	NR	NR	0
ERNS		TP	NR	NR	NR	NR	NR	0
FINDS		TP	NR	NR	NR	NR	NR	0
TRIS		TP	NR	NR	NR	NR	NR	0
NPL Liens		TP	NR	NR	NR	NR	NR	0
NC HSDS		1.000	0	0	0	2	NR	2
IMD		TP	NR	NR	NR	NR	NR	0
TSCA		TP	NR	NR	NR	NR	NR	0
MLTS		TP	NR	NR	NR	NR	NR	0
Coal Gas		1.000	0	0	0	0	NR	0

TP = Target Property

NR = Not Requested at this Search Distance

* Sites may be listed in more than one database

Map ID Direction Distance Distance (ft.) Elevation	Site	Database(s)	EDR ID Number EPA ID Number

Coal Gas Site Search: No site was found in a search of Real Property Scan's ENVIROHAZ database.

HSDS **COOPER INDUS INC;LUFKIN DIV** **NC HSDS** **S102442457**
Region **N/A**
SE **, NC**
1/2-1
4003

NC HSDS:

Facility Name:	COOPER INDUS INC;LUFKIN DIV		
Latitude:	35 42 53.872649	Longitude:	78 50 6.466991
Site Type:	Federal	Superfund ID #:	042 892 067

HSDS **APEX SANITARY LDFL** **NC HSDS** **S102442443**
Region **N/A**
WNW **, NC**
1/2-1
5000

NC HSDS:

Facility Name:	APEX SANITARY LDFL		
Latitude:	35 43 48.867887	Longitude:	78 51 47.709669
Site Type:	Federal	Superfund ID #:	980 502 793

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1 **NIVISON PROPERTY** **LUST** **S101524590**
NNW **500 E WILLIAMS ST** **N/A**
< 1/8 **APEX, NC**
467
Higher

COOPER INDUSTRIES INC LUFKIN D (Continued) **1000346079**

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 1 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Financial Record Review (FRR)	TSD-Financial Responsibility Requirements	07/03/1989

FINDS:
Other Pertinent Environmental Activity Identified at Site:
- Facility has an active water discharge permit (under PCS)
- Facility is monitored or permitted for air emissions under the Clean Air Act (under AFS/AIRS)

SHWS:
Facility ID: SIS920100666
EPA ID: NCD042892067

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5 ESE 1/2-1 4977 Lower | **TIPPER TIE INC**
LUFKIN RD
APEX, NC 27502 | **CORRACTS RCRIS-SQG FINDS RCRIS-TSD** | **1000346080 NCD063122592**

CORRACTS Data:
Prioritization: Low
Status: RCRA Facility Assessment Completed, RFI Imposition

RCRIS Corrective Action Summary:
Effective Date: 06/28/1991
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:
Owner: DOVER CORPORATION

Contact: ROME TOMCZAK
(919) 362-8811

Record Date: 05/18/1994

Classification: Small Quantity Generator, TSDF

Used Oil Recyc: No

TSDF Activities: Not reported

Violation Status: Violations exist

There are 3 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Schedule Evaluation (CSE)	Generator-All Requirements	04/20/1995
Compliance Evaluation Inspection (CEI)	Generator-All Requirements	04/20/1995
Operation and Maintenance Inspection (OAM)	TSD-Groundwater Monitoring Requirements	
Compliance Schedule Evaluation (CSE)	Generator-All Requirements	10/01/1991

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
6 / WNW / 1/2-1 / 5177 / Lower	**APEX SANITARY LANDFILL** **HWY 55** **APEX, NC 27502**	**CERC-NFRAP** **SHWS** **FINDS**	**1000439020** **NCD980502793**

CERCLIS-NFRAP Classification Data:

Site Incident Category:	Not reported	Federal Facility:	Not reported
Ownership Status:	Other	NPL Status:	Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	19791101
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19800301
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19870915
Assessment:	SITE INSPECTION	Completed:	19880729

CERCLIS-NFRAP Alias Name(s):
APEX SANITARY LDFL

SHWS:
Facility ID: SIS920100082
EPA ID: NCD980502793

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)	Facility ID
APEX	S103130227	CROSSWINDS MARINA, INC	SR 1008 NORTH OF US HWY 64	27502	LUST	10858
APEX	S103229467	SORRELL LANDFILL	SR 2400	27502	SHWS	SIS920100426
APEX	S102328557	EDWARDS GROCERY	HWY 55 WEST OF APEX	27502	LUST	15996
APEX	S103229036	AMERICAN CONTRACT	HWY 55	27502	SHWS	SIS920001100
APEX	S103229504	TEXACO INC/APEX	APEX / MCCULLERS RD	27502	SHWS	SIS920100517
APEX	S101572190	READY MIXED CONCRETE CO #6	PLANT 6 HWY 55	27502	LUST	8055
APEX	S103229564	WAKE COUNTY LANDFILL	SR.1172	27502	SHWS	SIS920100582
APEX	U001434855	APEX FUNERAL HOME	WILLIAMS STREET	27502	UST	0-005382
APEX	S103040644	HACK PROPERTY (JEANNE S.)	1401G E WILLIAMS ST	27502	LUST	16471

AREA RADON INFORMATION

- EPA Radon Zone for WAKE County, NC: 2

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

- EPA Radon Information for Zip Code: 27502

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

EPA Waste Codes Addendum

Code	Description
D001	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.
D002	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.
D007	CHROMIUM
D009	MERCURY
D035	METHYL ETHYL KETONE
D040	TRICHLOROETHYLENE
F001	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.
F003	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.
F005	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.
F006	WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN

Code	Description
	PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
F039	LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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

Elapsed ASTM days: Provides confirmation that this EDR report meets or exceeds the 90-day updating requirement of the ASTM standard.

FEDERAL ASTM RECORDS:

CERCLIS: Comprehensive Environmental Response, Compensation, and Liability Information System
Source: EPA
Telephone: 703-413-0223
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: 11/10/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 31
Date of Last EDR Contact: 12/02/98

ERNS: Emergency Response Notification System
Source: EPA/NTIS
Telephone: 202-260-2342
Emergency Response Notification System. ERNS records and stores information on reported releases of oil and hazardous substances.

Date of Government Version: 12/31/98
Date Made Active at EDR: 01/18/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 01/13/99
Elapsed ASTM days: 5
Date of Last EDR Contact: 01/04/99

NPL: National Priority List
Source: EPA
Telephone: 703-603-8852
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).

Date of Government Version: 10/08/98
Date Made Active at EDR: 01/08/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 10
Date of Last EDR Contact: 02/08/99

RCRIS: Resource Conservation and Recovery Information System
Source: EPA/NTIS
Telephone: 800-424-9346
Resource Conservation and Recovery Information System. RCRIS 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).

Date of Government Version: 10/01/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/28/98
Elapsed ASTM days: 32
Date of Last EDR Contact: 01/25/99

CORRACTS: Corrective Action Report
Source: EPA
Telephone: 800-424-9346
CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 12/01/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/28/98
Elapsed ASTM days: 32
Date of Last EDR Contact: 12/22/98

Map ID / Direction / Distance / Distance (ft.) / Elevation	Site	Database(s)	EDR ID Number / EPA ID Number
	NIVISON PROPERTY (Continued)		**S101524590**

LUST:

Incident #:	11922	Region:	RAL
Date Occurred:	12/27/93	Submit Date:	03/23/94
GW Contam:	Not reported	Soil Contam:	Y
Incident Desc:	UPON UST CLOSURE, SOIL CONTAM. WAS CONFIRMED.		
Operator:	W. B. NIVISON		
Owner:	N/A 605 TRANSYLVANIA AVE. RALEIGH, NC 27609 WAKE County		
Contact Phone:	Not reported		
Ownership:	Private	Operation:	Commercial
Material:	PETROLEUM		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Source:	Leak-underground	Type:	Gasoline/diesel
Location:	Facility	Setting:	Urban
Priority Code:	L	Priority Update:	04/16/98
Dem Contact:	Not reported		
Wells Affected:	No	Num Affected:	0
Wells Contam:	Not reported		
Sampled By:	Responsible Parties	Samples Include:	Soil Samples
7.5 Min Quad:	Not reported	5 Min Quad:	L42J
Lat/Long:	354330 / 785058	Risk Site	Yes

2 **NNW** **1/4-1/2** **2209** **Higher**	**APEX UNITED METHODIST CHURCH** **100 S HUGHES ST** **APEX, NC**	**LUST**	**S103040550** **N/A**

APEX UNITED METHODIST CHURCH (Continued) **S103040550**

LUST:

Incident #:	18475	Region:	RAL
Date Occurred:	02/09/98	Submit Date:	04/14/98
GW Contam:	Y	Soil Contam:	Not reported
Incident Desc:	SOIL SAMPLES CONTAINED UP TO 71,500 PPB TPH GAS. GW CONTAINED UP TO 1,210 PPB BENZENE, 217 PPB MEK, AND 194 PPB ACETONE.		
Operator:	UNKNOWN		
Owner:	Not reported Not reported Not reported		
Contact Phone:	Not reported		
Ownership:	Unknown	Operation:	Not reported
Material:	GASOLINE		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Material:	SOLVENTS		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Material:	HEATING OIL		
Qty Lost:	Not reported	Qty Recovered:	Not reported
Source:	Leak-underground	Type:	Gasoline/diesel
Location:	Facility	Setting:	Urban
Priority Code:	L	Priority Update:	Not reported
Dem Contact:	Not reported		
Wells Affected:	No	Num Affected:	0
Wells Contam:	Not reported		
Sampled By:	Responsible Parties	Samples Include:	Groundwater Samples
7.5 Min Quad:	Not reported	5 Min Quad:	L42J
Lat/Long:	354348 / 785100	Risk Site	Yes

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3 East 1/4-1/2 2281 Lower — **ENVIRO-CHEM ENVRNMTL SERV INC**, **1005 INVESTMENT BLVD**, **APEX, NC 27502**

CORRACTS **1000261503**
PADS **NCD982170292**
RCRIS-SQG
FINDS
RCRIS-TSD

CORRACTS Data:
Prioritization: Low
Status: Not reported

RCRIS Corrective Action Summary:
Effective Date: 07/01/1993
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:
Owner: JERRY DEAKLE
Contact: JERRY DEAKLE
Record Date: 01/01/1993
Classification: Small Quantity Generator, TSDF, Hazardous Waste Transporter
Used Oil Recyc: No
TSDF Activities: Not reported
Violation Status: Violations exist

There are 2 violation record(s) reported at this site:

Evaluation	Area of Violation	Date of Compliance
Compliance Evaluation Inspection (CEI)	TSD-Other Requirements	08/25/1997

ENVIRO-CHEM ENVRNMTL SERV INC (Continued) **1000261503**

Compliance Evaluation Inspection (CEI) Generator-Land Ban Requirements 01/24/1990

FINDS:
Other Pertinent Environmental Activity Identified at Site:
- Facility is a PCB generator, storer, transporter or permitted disposer (under PADS)

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4 ESE 1/2-1 4322 Lower

COOPER INDUSTRIES INC LUFKIN D
LUFKIN RD
APEX, NC 27502

CORRACTS 1000346079
CERC-NFRAP NCD042892067
SHWS
FINDS
RCRIS-LQG
TRIS
RCRIS-TSD
RAATS

CERCLIS-NFRAP Classification Data:
Site Incident Category: Not reported
Federal Facility: Not reported
Ownership Status: Other
NPL Status: Not on the NPL

CERCLIS-NFRAP Assessment History:

Assessment:	DISCOVERY	Completed:	19800801
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19850912
Assessment:	PRELIMINARY ASSESSMENT	Completed:	19890214

CERCLIS-NFRAP Alias Name(s):
COOPER INDS INC LUFKIN DIV

CORRACTS Data:
Prioritization: Medium
Status: RCRA Facility Assessment Completed, RFI Imposition, RFI Workplan Approved, CMS Workplan Approved

RCRIS Corrective Action Summary:
Effective Date: 07/30/1987
Legal Authority: RCRA 3004(u) or equivalent
Effective Date: 07/30/1987
Legal Authority: RCRA 3004(u) or equivalent

RCRIS:
Owner: COOPER INDUSTRIES INC
Contact: MATT CATON
(919) 362-7511
Record Date: 05/18/1994
Classification: Large Quantity Generator, TSDF

BIENNIAL REPORTS:
Last Biennial Reporting Year: 1995

Waste	Quantity (Lbs)	Waste	Quantity (Lbs)
D001	13192.00	D002	4400.00
D007	8757000.00	D009	500.00
D035	12772.00	D040	2893.00
F001	2893.00	F003	14365.00
F005	14365.00	F006	109760.00
F039	8940.00		

FEDERAL NON-ASTM RECORDS:

BRS: Biennial Reporting System
Source: EPA/NTIS
Telephone: 800-424-9346
The Biennial Reporting System is a national system administered by the EPA that collects data on the generation and management of hazardous waste. BRS captures detailed data from two groups: Large Quantity Generators (LQG) and Treatment, Storage, and Disposal Facilities.

Date of Government Version: 12/31/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 12/21/98
Date of Next Scheduled EDR Contact: 03/22/99

FINDS: Facility Index System
Source: EPA/NTIS
Telephone: 703-908-2493
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: 09/30/97
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/23/98
Date of Next Scheduled EDR Contact: 03/29/99

HMIRS: Hazardous Materials Information Reporting System
Source: U.S. Department of Transportation
Telephone: 202-366-4526
Hazardous Materials Incident Report System. HMIRS contains hazardous material spill incidents reported to DOT.

Date of Government Version: 12/31/97
Database Release Frequency: Annually
Date of Last EDR Contact: 01/25/99
Date of Next Scheduled EDR Contact: 04/26/99

MLTS: Material Licensing Tracking System
Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
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: 12/08/98
Database Release Frequency: Quarterly
Date of Last EDR Contact: 12/01/98
Date of Next Scheduled EDR Contact: 03/01/99

NPL LIENS: Federal Supertund Liens
Source: EPA
Telephone: 205-564-4267
Federal Superfund Liens. Under the authority granted the USEPA by the Comprehensive Environmental Response, Compensation and Liability Act (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 receives notification of potential liability. USEPA compiles a listing of filed notices of Superfund Liens.

Date of Government Version: 10/15/91
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 11/23/98
Date of Next Scheduled EDR Contact: 02/22/99

PADS: PCB Activity Database System
Source: EPA
Telephone: 202-260-3936
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: 09/22/97
Database Release Frequency: Semi-Annually
Date of Last EDR Contact: 12/03/98
Date of Next Scheduled EDR Contact: 02/15/99

RAATS: RCRA Administrative Action Tracking System
Source: EPA
Telephone: 202-564-4104
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: 04/17/95
Database Release Frequency: No Update Planned
Date of Last EDR Contact: 12/15/98
Date of Next Scheduled EDR Contact: 03/15/99

TRIS: Toxic Chemical Release Inventory System
Source: EPA/NTIS
Telephone: 202-260-1531
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: 12/31/95
Database Release Frequency: Annually
Date of Last EDR Contact: 12/28/98
Date of Next Scheduled EDR Contact: 03/29/99

TSCA: Toxic Substances Control Act
Source: EPA
Telephone: 202-260-1444
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: 12/31/94
Database Release Frequency: Every 4 Years
Date of Last EDR Contact: 01/25/99
Date of Next Scheduled EDR Contact: 04/26/99

STATE OF NORTH CAROLINA ASTM RECORDS:

LUST: Incidents Management Database
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-1315
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: 07/01/98
Date Made Active at EDR: 09/10/98
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 08/07/98
Elapsed ASTM days: 34
Date of Last EDR Contact: 02/01/99

SHWS: Inactive Hazardous Sites Inventory
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-2801
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: 03/31/98
Date Made Active at EDR: 10/15/98
Database Release Frequency: Annually
Date of Data Arrival at EDR: 08/10/98
Elapsed ASTM days: 66
Date of Last EDR Contact: 01/28/99

LF: List of Solid Waste Facilities
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-0692
Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 07/16/98
Date Made Active at EDR: 10/29/98
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 08/11/98
Elapsed ASTM days: 79
Date of Last EDR Contact: 02/02/99

UST: Petroleum Underground Storage Tank Database
Source: Department of Environment, Health and Natural Resources
Telephone: 919-733-1308
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: 10/15/98
Date Made Active at EDR: 12/24/98
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 10/20/98
Elapsed ASTM days: 65
Date of Last EDR Contact: 12/14/98

STATE OF NORTH CAROLINA NON-ASTM RECORDS:

IMD: Incident Management Database
Source: Department of Health and Natural Resources
Telephone: 919-733-1315

Date of Government Version: 07/01/98
Database Release Frequency: N/A
Date of Last EDR Contact: 02/01/99
Date of Next Scheduled EDR Contact: 05/03/99

HSDS: Hazardous Substance Disposal Site
Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-733-2090
Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 06/21/95
Database Release Frequency: Biennially
Date of Last EDR Contact: 12/08/98
Date of Next Scheduled EDR Contact: 03/08/99

Historical and 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.

Former Manufactured Gas (Coal Gas) Sites: The existence and location of Coal Gas sites is provided exclusively to EDR by Real Property Scan, Inc. ©Copyright 1993 Real Property Scan, Inc. For a technical description of the types of hazards which may be found at such sites, contact your EDR customer service representative.

Disclaimer Provided by Real Property Scan, Inc.

The information contained in this report has predominantly been obtained from publicly available sources produced by entitles other than Real Property Scan. While reasonable steps have been taken to insure the accuracy of this report, Real Property Scan does not guarantee the accuracy of this report. Any liability on the part of Real Property Scan is strictly limited to a refund of the amount paid. No claim is made for the actual existence of toxins at any site. This report does not constitute a legal opinion.

DELISTED NPL: NPL Deletions
Source: EPA
Telephone: 703-603-8769
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: 10/08/98
Date Made Active at EDR: 01/08/99
Database Release Frequency: Semi-Annually
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 10
Date of Last EDR Contact: 02/08/99

NFRAP: No Further Remedial Action Planned
Source: EPA
Telephone: 703-413-0223
As of February 1995, CERCLIS sites designated "No Further Remedial Action Planned" (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. EPA has removed approximately 25,000 NFRAP sites to lift the unintended barriers to the redevelopment of these properties and has archived them as historical records so EPA does not needlessly repeat the investigations in the future. This policy change is part of the EPA's Brownfields Redevelopment Program to help cities, states, private investors and affected citizens to promote economic redevelopment of unproductive urban sites.

Date of Government Version: 11/10/98
Date Made Active at EDR: 01/29/99
Database Release Frequency: Quarterly
Date of Data Arrival at EDR: 12/29/98
Elapsed ASTM days: 31
Date of Last EDR Contact: 12/02/98

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1996 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 March 1997 from the U.S. Fish and Wildlife Service.

Appendix C

UST Closure Report

W B Nivison
605 Transylvania Ave.
Raleigh, NC 27609

February 11, 1999

To: Whom It May Concern

From: W B Nivison

Subject: Underground Oil Storage Tanks At Apex Village Center

In the mid 1970's we acquired the property now know as Apex Village Center. At the time there was a self service gasoline station in operation.

In 1982 the gasoline station was closed the tanks were pumped dry and the pumps removed. In 1993 we decided to remove the underground tanks in accordance with DEHNR guide lines. We employed Froehling and Robertson, Inc. to supervise all details of the tank removal and to take quarterly ground water samples through 1994 as required.

Attached is a copy of DEHNR letter of April 20, 1994 and Froehling and Robertson , Inc.'s final letter of February 6, 1995. We met all DEHNR requirements and were reimbursed for the allowed portion of our expenditures which totaled over SIXTY TWO THOUSAND DOLLARS ($62,000.00).

Sincerely,

W B Nivison

State of North Carolina
Department of Environment,
Health and Natural Resources
Division of Environmental Management

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
A. Preston Howard, Jr., P.E., Director

DEHNR

GROUNDWATER SECTION

April 20, 1994

Mr. W. B. Nivison
605 Transylvania Avenue
Raleigh, North Carolina 27609

RE: W. B. Nivison
500 block of E. Williams Street
Apex, Wake County

Dear Mr. Nivison:

This letter is to acknowledge receipt of and respond to your request for eligibility determination for access to the North Carolina Leaking Petroleum Underground Storage Tank Cleanup Funds for the above-referenced site. Review of your request by the Raleigh Regional Office and the Raleigh Central Office is now complete.

Information supplied to the State Trust Fund indicates that one 10,000-gallon and two 8,000-gallon gasoline underground storage tanks have a reported release. All tanks were removed from the ground on December 27 and 28, 1993; however, releases were detected from each tank on December 21, 1993 during initial assessment activities. Since the tanks were taken out of operation in 1982, no tank operating fees were due.

Based on the aforementioned information, the State Trust Fund finds this incident conditionally eligible for reimbursement from the Commercial Trust Fund. In order to remain eligible, you must continue to proceed with corrective action, as required. Failure to mitigate the spread of contamination may cause you to be determined to be ineligible to receive reimbursement from the Commercial Trust Fund.

Finally, in accordance with N.C.G.S. 143-215.94E, only reasonable and necessary costs incurred in the environmental cleanup of this site will be eligible for reimbursement after payment of the first $20,000 of these costs.

P.O. Box 29535, Raleigh, North Carolina 27626-0535 Telephone 919-733-7015 FAX 919-733-2496
An Equal Opportunity Affirmative Action Employer 50% recycled/ 10% post-consumer paper

Please confer with either this office or the Raleigh Regional Office should there be any questions regarding completion of reimbursement forms, or activities that may require additional cost documentation prior to implementation, such as soil or groundwater remediation systems.

If I may be further of assistance, please do not hesitate to contact me at (919) 733-1332.

Sincerely,

George C. Matthis, Jr.

George C. Matthis, Jr., Supervisor
State Trust Fund Group

GCM/linger.stf

cc: Keith Edwards
J. D. Solomon, P.E.
Froehling & Robertson, Inc.
Post Office Box 2551
Raleigh, N.C. 27602

FROEHLING & ROBERTSON, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
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1881

P. O. Box 2551, Raleigh, NC 27602
Telephone: (919) 828-3441
FAX No.: (919) 828-5751

February 6, 1995

Mr. W. B. Nivison
c/o Rural Heating & Plumbing
605 Transylvania Avenue
Raleigh, NC 27609

Re: Groundwater Monitoring Report
Fourth Quarter 1994
W. B. Nivison Property
500 Block of E. Williams Street
Apex, North Carolina

Dear Mr. Nivison:

Froehling & Robertson, Inc. (F&R) personnel visited the above-referenced site on December 7, 1994 to measure groundwater levels and collect groundwater samples from all accessible site wells (Appendix A, Drawing No. 1).

The groundwater level measurements from December 7, 1994, as well as previous groundwater data, are presented in Table 1; a groundwater elevation contour map for December 7, 1994 is presented as Appendix A, Drawing No. 2. Groundwater flow across the site on December 7, 1994 was to the southeast with an approximate hydraulic gradient of 0.033. The depths to groundwater documented during the fourth quarter of 1994 are generally consistent with previous data from the site; however, the groundwater flow direction appears to have shifted approximately 45° to the east.

Groundwater quality results from the fourth quarter 1994 sampling event, as well as previous groundwater quality data, are summarized in Table 2; a benzene isoconcentration map for December 7, 1994 is presented as Appendix A, Drawing No. 3. The laboratory report and chain-of-custody forms are attached as Appendix B. Groundwater samples collected from MW-1 through MW-4 were analyzed for volatile and semi-volatile hydrocarbons by EPA Methods 601, 602 and 625, respectively, and for lead by EPA Method 3030C.

No contaminants were detected by any of the analyses in excess of method detection limits; consequently, no compounds were present in groundwater in excess of the standards outlined in the North Carolina Administrative Code, Title 15A. Subchapter 2L. The results of the fourth quarter 1994 sampling event are consistent with previous groundwater quality data from the site.

F&R appreciates the opportunity to have provided environmental consulting services on this project. Please contact us at your earliest convenience with any questions or comments concerning this information.

Respectfully,

FROEHLING & ROBERTSON, INC.

J. D. Solomon, P.E.
Project Manager

NORTH CAROLINA PROFESSIONAL SEAL 18650 ENGINEER JOHN D. SOLOMON, JR.

JDS:mc

W. B. NIVISON
500 BLOCK OF E. WILLIAMS STREET
APEX, NORTH CAROLINA

GROUNDWATER LEVEL MEASUREMENTS

Well I.D.	Top of Casing Elevation*	Date	Depth to Groundwater **	Corrected Groundwater Table Elevation *
MW-1	98.19	06-14-94	11.90	86.29
		12-07-94	11.49	86.70
MW-2	97.43	06-14-94	10.93	86.50
		12-07-94	11.34	86.00
MW-3	100.82	06-14-94	11.85	88.97
		12-07-94	11.85	88.97
MW-4	98.85	06-14-94	11.97	86.88
		12-07-94	12.12	86.73

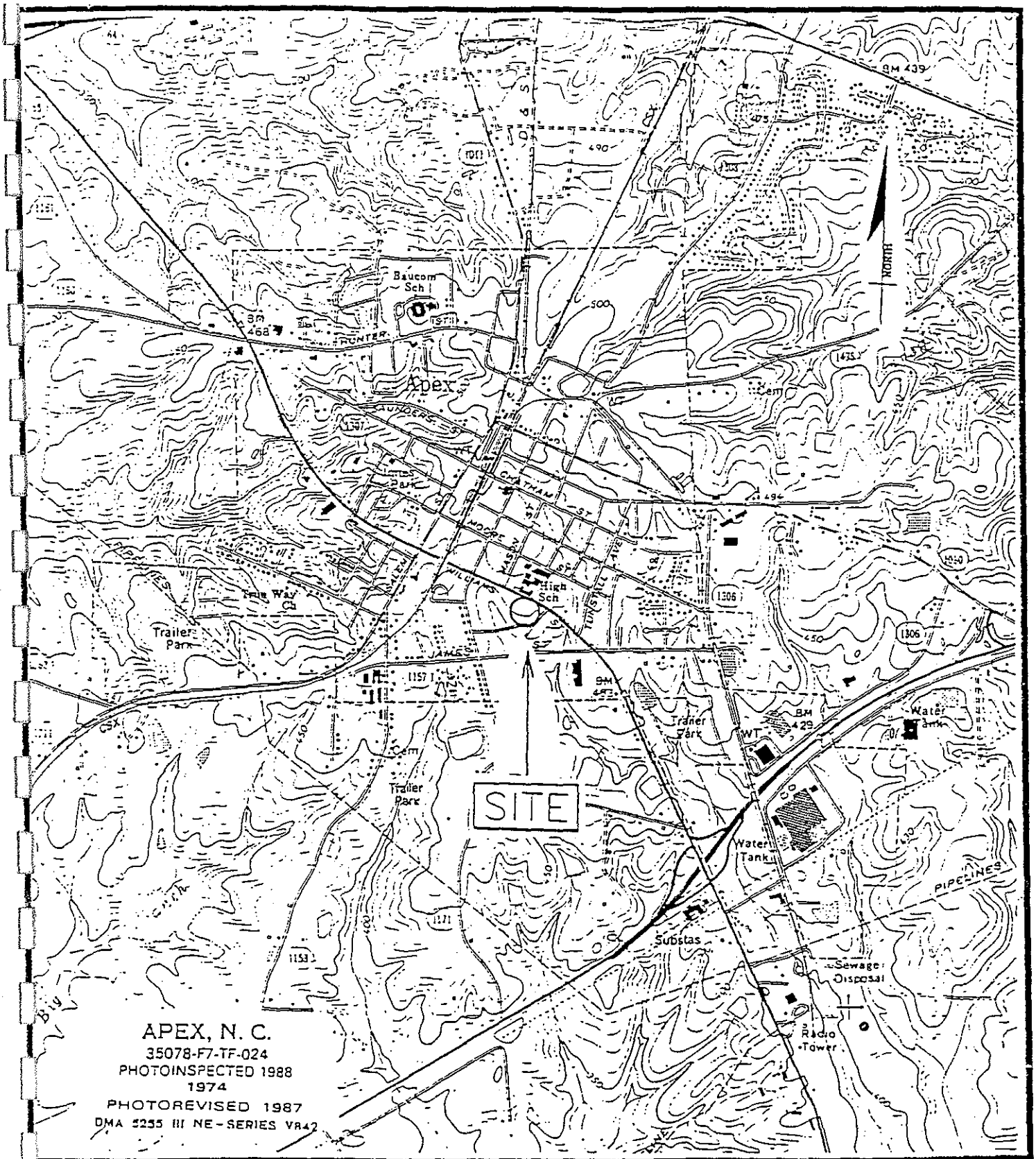
* feet above mean sea level
** feet below top of casing
NOTE: MW-1 is "deep" well

W. B. NIVISON
500 BLOCK OF E. WILLIAMS STREET
APEX, NORTH CAROLINA

GROUNDWATER QUALITY RESULTS *

Well I.D.	Date	B	T	E	X	Total BTEX	MTBE	1-2 DCA	Lead (ppm)
MW-1	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.131
	12-07-94	<1	<1	<1	<3	<6	<5	<1	<0.001
MW-2	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.153
	12-07-94	<1	<1	<1	<3	<6	<5	<1	0.0010
MW-3	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.015
	12-07-94	<1	<1	<1	<3	<6	<5	<1	0.0148
MW-4	06-13-94	<1	<1	<1	<1	<4	<5	<1	0.010
	12-07-94	<1	<1	<1	<3	<6	<5	<1	0.0025

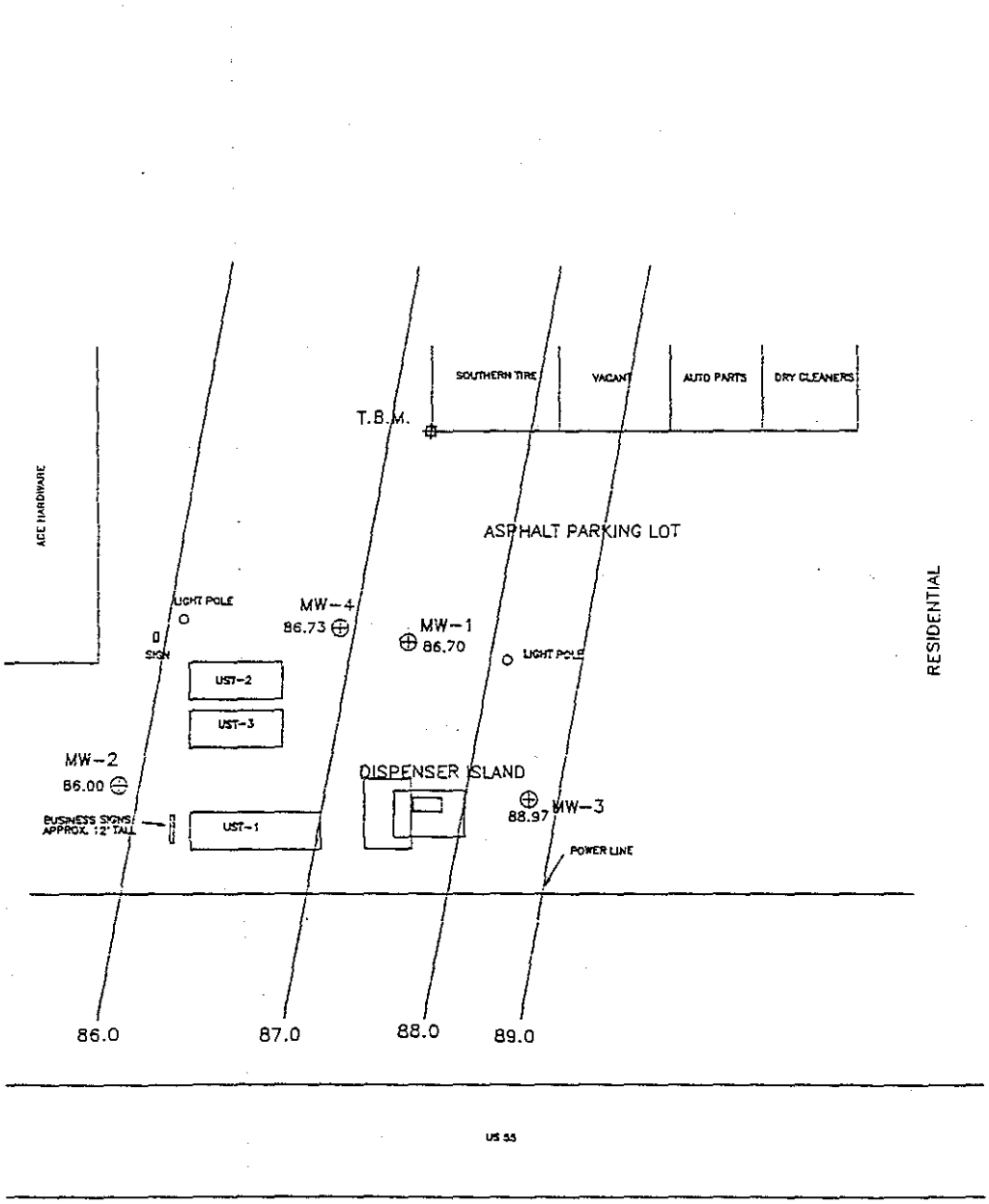
* All results in parts per billion.



FROEHLING & ROBERTSON, INC.

GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
ENGINEERS • LABORATORIES
RALEIGH, NC

CLIENT	W.B. NIVISON
PROJECT	TANK REMOVAL
LOCATION	APEX, N.C.
DRAWN	MJB
CHECKED	JDS
DATE: 2/94	SCALE: 1" = 2000' | DRAWING No.: 1



SITE PLAN WITH GROUNDWATER CONTOURS (DECEMBER 1994)

SINCE 1881

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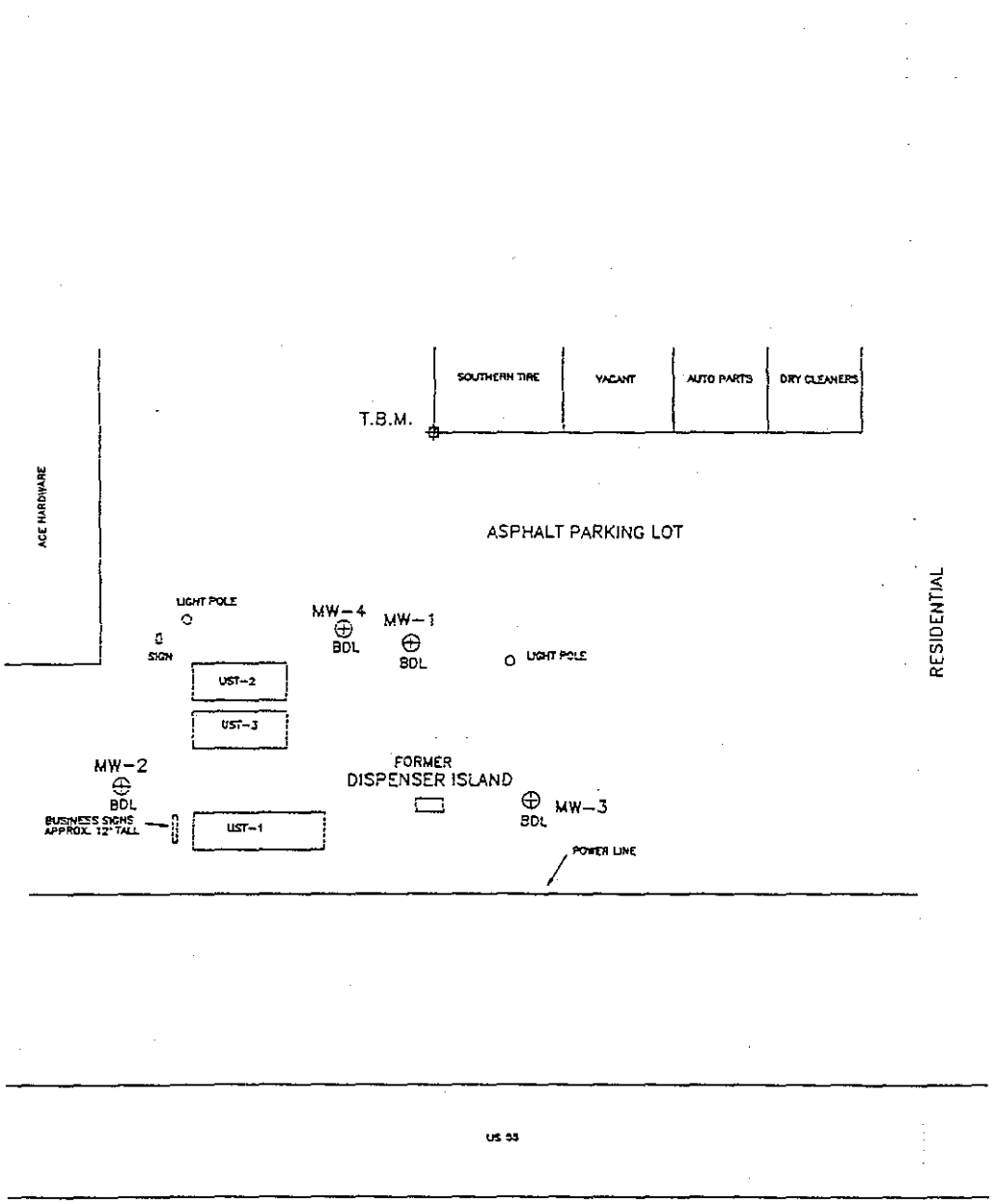
RALEIGH, NC

CLIENT	W.B. NIVISON
PROJECT	W66-242
LOCATION	APEX, N.C.
DRAWN	MJB
CHECKED	JDS
DATE: 7/94	SCALE: 1" = 40' DRAWING No.: 2



SITE PLAN WITH BENZENE ISOCONTOURS
(DECEMBER 1994)

SINCE 1881

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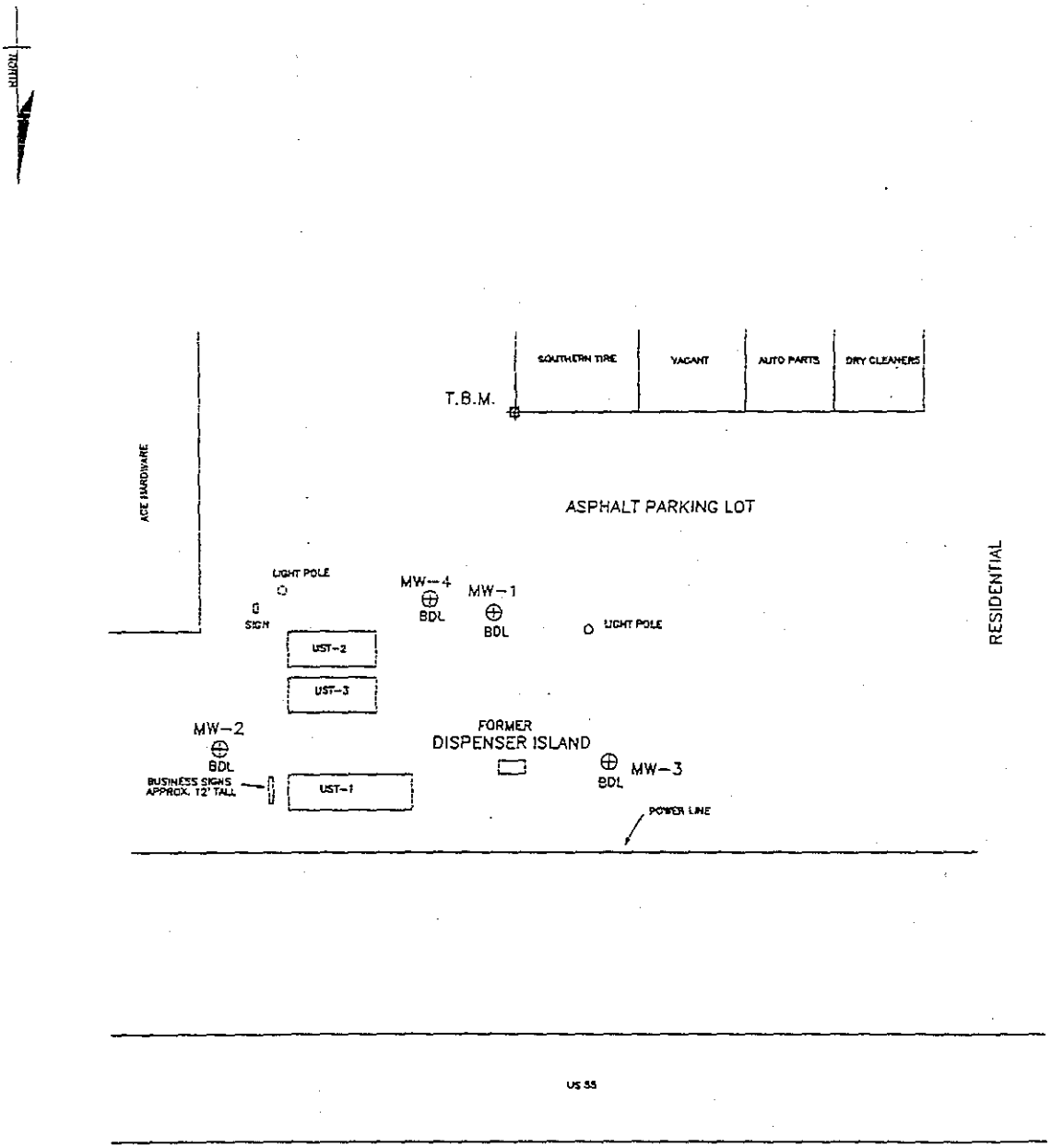
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
ENGINEERS • LABORATORIES
RALEIGH, NC

CLIENT	W.B. NIVISON	
PROJECT	W66-242	
LOCATION	APEX, N.C.	
DRAWN	MJB	
CHECKED	JDS	
DATE: 7/94	SCALE: 1" = 40'	DRAWING No.: 3



SITE PLAN SHOWING LEAD CONCENTRATIONS
(DECEMBER 1994)

SINCE 1881

FROEHLING & ROBERTSON, INC.

GEOTECHNICAL • ENVIRONMENTAL • MATERIALS
ENGINEERS • LABORATORIES
RALEIGH, NC

CLIENT	W.B. NIVISON	
PROJECT	W66-242	
LOCATION	APEX, N.C.	
DRAWN	MJB	
CHECKED	JDS	
DATE: 7/94	SCALE: 1" = 40'	DRAWING No.: 4

APPENDIX B

CHEMICAL ANALYSIS RESULTS

FROEHLING & ROBERTSON, INC.
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CERTIFICATE OF ANALYSIS

December 28, 1994

LAB #:	9412101
CLIENT:	F&R Raleigh Attn: J.D. Solomon
PROJECT:	Apex/Nivison
PROJECT #:	W66-242
SAMPLES COLLECTED BY:	C. Seabright
LAB RECEIPT:	12/14/94, 1049

PARAMETER	ANALYSIS DATE/TIME	METHOD	ANALYST
Purgeable Halocarbons/Aromatics	12/22/94, 1316	EPA 601/602	IMS

RESULTS:

Results appear on the following page.

Audrey N. Brubeck
Laboratory Supervisor

AB/lcs

HEADQUARTERS: 3015 DUMBARTON ROAD • BOX 27524 • RICHMOND, VA 23261-7524
TELEPHONE (804) 264-2701 • FAX (804) 264-1202

BRANCHES: ASHEVILLE, NC • BALTIMORE, MD • CHARLOTTE, NC • CHESAPEAKE, VA
CROZET, VA • FAYETTEVILLE, NC • FREDERICKSBURG, VA
GREENVILLE, SC • RALEIGH, NC • ROANOKE, VA • STERLING, VA

RESULTS:

F&R #:	9412101-01	9412101-02	9412101-03	9412101-04	
SAMPLE ID:	MW-1	MW-2	MW-3	MW-4	
DATE/TIME:	12/07/94, 1345	12/07/94, 1245	12/07/94, 1200	12/07/94, 1445	
TYPE:	Water/Grab	Water/Grab	Water/Grab	Water/Grab	
					Det'n Limit:
Halogenated Volatiles (µg/L):					
Bromodichloromethane	BDL	BDL	BDL	BDL	1
Bromoform	BDL	BDL	BDL	BDL	1
Bromomethane	BDL	BDL	BDL	BDL	1
Carbon tetrachloride	BDL	BDL	BDL	BDL	1
Chlorobenzene	BDL	BDL	BDL	BDL	1
Chloroethane	BDL	BDL	BDL	BDL	1
2-Chloroethyl vinyl ether	BDL	BDL	BDL	BDL	40
Chloroform	BDL	BDL	BDL	BDL	1
Chloromethane	BDL	BDL	BDL	BDL	1
Dibromochloromethane	BDL	BDL	BDL	BDL	1
1,2-Dichlorobenzene	BDL	BDL	BDL	BDL	1
1,3-Dichlorobenzene	BDL	BDL	BDL	BDL	1
1,4-Dichlorobenzene	BDL	BDL	BDL	BDL	1
Dichlorodifluoromethane	BDL	BDL	BDL	BDL	1
1,1-Dichloroethane	BDL	BDL	BDL	BDL	1
1,2-Dichloroethane	BDL	BDL	BDL	BDL	1
1,1-Dichloroethene	BDL	BDL	BDL	BDL	1
trans-1,2-Dichloroethene	BDL	BDL	BDL	BDL	1
1,2-Dichloropropane	BDL	BDL	BDL	BDL	1
cis 1,3-Dichloropropene	BDL	BDL	BDL	BDL	1
trans 1,3-Dichloropropene	BDL	BDL	BDL	BDL	1
Methylene chloride	BDL	BDL	BDL	BDL	1
1,1,2,2-Tetrachloroethane	BDL	BDL	BDL	BDL	1
Tetrachloroethene	BDL	BDL	BDL	BDL	1
1,1,1-Trichloroethane	BDL	BDL	BDL	BDL	1
1,1,2-Trichloroethane	BDL	BDL	BDL	BDL	1
Trichloroethene	BDL	BDL	BDL	BDL	1
Trichlorofluoromethane	BDL	BDL	BDL	BDL	1
Vinyl chloride	BDL	BDL	BDL	BDL	1
Volatile Aromatics (µg/L):					
Benzene	BDL	BDL	BDL	BDL	1
Toluene	BDL	BDL	BDL	BDL	1
Ethylbenzene	BDL	BDL	BDL	BDL	1
Xylenes	BDL	BDL	BDL	BDL	3
EDB (µg/L)	BDL	BDL	BDL	BDL	5
MTBE (µg/L)	BDL	BDL	BDL	BDL	5
IPE (µg/L)	BDL	BDL	BDL	BDL	5

µg/L: Microgram per liter BDL: Below detection limit

CHAIN OF CUSTODY RECORD

Please Print CLIENT [illegible]
ADDRESS
ATTN
PHONE/FAX [illegible]

FROEHLING & ROBERTSON,
P.O. BOX 27524
RICHMOND, VIRGINIA 23261
TEL:(804) 264-2701
FAX: (804) 264-1202

LAB PROJECT #

PROJECT NAME/NUMBER - Please Print: [illegible]

SAMPLED BY — Please Print: [illegible]

LAB I.D.	DATE	TIME		GRAB	SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE (MATRIX)	REQUESTED TEST PARAMETERS - Please Print										
01	[illegible]	[illegible]		X	[illegible] 1	3	Water	✓										
02	[illegible]	[illegible]		X	[illegible] 2	3	Water	✓										
03	[illegible]	12:00		X	[illegible] 3	3	Water	✓			✓							
04	[illegible]	[illegible]		X	[illegible] 4	3	Water	✓			✓							

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	12/13/91	9:00	[illegible]	[illegible]	[illegible]
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY	DATE	TIME

SHIPPED VIA [illegible] DATE 12/13/91

FIELD COMMENTS: Please Print

pH _____ TEMP. _____

CHAIN OF CUSTODY RECORD

Please Print CLIENT
ADDRESS
ATTN
PHONE/FAX

FROEHLING & ROBERTSON
P.O. BOX 27524
RICHMOND, VIRGINIA 23261
TEL:(804) 264-2701
FAX: (804) 264-1202

LAB PROJECT #	PROJECT NAME/NUMBER - Please Print
95010132	NIVISON

SAMPLED BY — Please Print: Chuck Seabright

	LAB I.D.	DATE	TIME			SAMPLE IDENTIFICATION - Please Print	# OF CONTAINERS	SAMPLE (MATRIX)	REQUESTED TEST PARAMETERS - Please Print: 8260										
1	MW-1	1-5-95	11:30			MW-1	1	water	/										
2	MW-2	1-5-95	12:00			MW-2	1	"	/										
3	MW-3	1-5-95	12:30			MW-3	1	"	/										
4	MW-4	1-5-95	1:00			MW-4	1	"	/										

RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
[illegible]	1-5-95	2:00	Grace DeRose	1/6/95	1019
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED BY	DATE	TIME
RELINQUISHED BY (SIGNATURE)	DATE	TIME	RECEIVED FOR LAB BY	DATE	TIME

SHIPPED VIA _____ DATE _____

FIELD COMMENTS: Please Print

pH _____ TEMP. _____

FROEHLING & ROBERTSON, INC.

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CERTIFICATE OF ANALYSIS

January 9, 1995
Revised: January 30, 1995

LAB #:	9501032
CLIENT:	F&R Raleigh Attn: J.D. Solomon
PROJECT:	Nivison
SAMPLES COLLECTED BY:	C. Seabright
LAB RECEIPT:	01/06/95, 1019

PARAMETER	ANALYSIS DATE/TIME	METHOD	ANALYST
Lead	01/27/95, 0930	EPA 239.2	RHS/TLS
Metals - prep	01/06/95, 1130	SM17/3030C	TLS

RESULTS:

F&R #:	9501032-01	9501032-02	9501032-03	95101032-04	
SAMPLE ID:	MW-1	MW-2	MW-3	MW-4	
DATE/TIME:	01/05/95, 1130	01/05/95, 1200	01/05/95, 1230	01/05/95, 1300	
TYPE:	Water	Water	Water	Water	
					Det'n Limit:
Lead	BDL	0.0010	0.0148	0.0025	0.001 mg/L

mg/L: Milligram per liter BDL: Below detection limit

Audrey N. Brubeck
Laboratory Supervisor

AB/lcs

HEADQUARTERS: 3015 DUMBARTON ROAD • BOX 27524 • RICHMOND, VA 23261-7524
TELEPHONE (804) 264-2701 • FAX (804) 264-1202

BRANCHES: ASHEVILLE, NC • BALTIMORE, MD • CHARLOTTE, NC • CHESAPEAKE, VA
CROZET, VA • FAYETTEVILLE, NC • FREDERICKSBURG, VA
GREENVILLE, SC • RALEIGH, NC • ROANOKE, VA • STERLING, VA

Appendix D

List of Tenants

List of Tenants

- Tricia's Nails
- Yours and Mine Hair Design
- Carolina Architectural Wood work
- Marcia & Friends (catering)
- Carolina Medical Sales
- Apex Printing
- Electronic Assembly
- Em R Wings
- Station 4 Travel
- Designer Work Room
- Roscoe & Roscoe
- Molly maid
- Clark Security Systems
- Apex village Chiropractor
- Barrington Homes
- J & S New York Pizza
- Ultimate Expression
- Apex Acupuncture
- All Pro Super Auto Parts

- Apex ACE Hardware
- H & R Block
- Apex pride CarWash
- Carpet Market, Inc.
- R J Mechanical Welding and Custom Exhaust

APPENDIX E

SANDBORN MAP REPORT

Apex Village
500-610 E WILLIAMS ST
Apex, NC 27502

Inquiry Number: 3495620.3
January 16, 2013

Certified Sanborn® Map Report

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

Certified Sanborn® Map Report

1/16/13

Site Name:
Apex Village
500-610 E WILLIAMS ST
Apex, NC 27502

EDR Inquiry # 3495620.3

Client Name:
Mill Creek Environmental Svc.
1818 Perimeter Road
Dawsonville, GA 30534

Contact: Dan Centofanti

EDR® Environmental Data Resources Inc

The complete Sanborn Library collection has been searched by EDR, and fire insurance maps covering the target property location provided by Mill Creek Environmental Svc. 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 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:	Apex Village
Address:	500-610 E WILLIAMS ST
City, State, Zip:	Apex, NC 27502
Cross Street:	
P.O. #	AV-1301-1
Project:	Apex Village
Certification #	3DEA-4A6F-8ADA

Sanborn® Library search results
Certification # 3DEA-4A6F-8ADA

UNMAPPED PROPERTY

This report certifies that the complete holdings of the Sanborn Library, LLC collection have been searched based on client supplied target property information, and fire insurance maps covering the target property were not found.

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™

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APPENDIX F

CITY DIRECTORY REPORT

Apex Village
500-610 E WILLIAMS ST
Apex, NC 27502

Inquiry Number: 3495620.5
January 17, 2013

The EDR-City Directory Image Report

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

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City Directory Images

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

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EXECUTIVE SUMMARY

DESCRIPTION

Environmental Data Resources, Inc.'s (EDR) City Directory Report is a screening tool designed to assist environmental professionals in evaluating potential liability on a target property resulting from past activities. EDR's City Directory Report includes a search of available city directory data at 5 year intervals.

RESEARCH SUMMARY

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

Year	*Target Street*	*Cross Street*	*Source*
2012			Polk's City Directory
2008			Polk's City Directory
2003			Polk's City Directory
1998			Polk's City Directory
1993			Polk's City Directory
1989			Polk's City Directory
1984			Hill's City Directory
1979			Hill's City Directory
1974			Hill's City Directory
1969			Hill's City Directory
1967			Hill's City Directory

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FINDINGS

TARGET PROPERTY STREET

500-610 E WILLIAMS ST
Apex, NC 27502

Year	***CD Image***	***Source***
East Williams Street		
2012	pg A1	Polk's City Directory
2008	pg A2	Polk's City Directory
2003	pg A3	Polk's City Directory
1998	pg A4	Polk's City Directory
1993	pg A5	Polk's City Directory
1989	pg A6	Polk's City Directory
1984	pg A7	Hill's City Directory
1979	pg A8	Hill's City Directory
1979	pg A9	Hill's City Directory
1974	pg A10	Hill's City Directory
1974	pg A11	Hill's City Directory
1969	pg A12	Hill's City Directory
1967	pg A13	Hill's City Directory

FINDINGS

CROSS STREETS

Year	*CD Image*	*Source*
Cooke Street		
2012	pg. A14	Polk's City Directory
2008	pg. A15	Polk's City Directory
2003	pg. A16	Polk's City Directory
1998	pg. A17	Polk's City Directory
1993	pg. A18	Polk's City Directory
1989	pg. A19	Polk's City Directory
1984	pg. A20	Hill's City Directory
1979	pg. A21	Hill's City Directory
1974	pg. A22	Hill's City Directory
1969	pg. A23	Hill's City Directory
1967	pg. A24	Hill's City Directory

City Directory Images

Target Street	Cross Street	Source
✓	-	Polk's City Directory

East Williams Street 2012

WILLIAM AND MARY DR Cont'd

5213 Carter Dennis W & Lois R ✓@ [40] ♠(1988) 919-266-9442
5216 ASONE MARKETING GROUP marketing programs & serv ✓@ 919-266-2222
COMMUNICATIONS SYSTEMS ASSOC communications ✓@ 919-266-2222
Owen Allen T & Nita C ✓@ [22]♠ (1979)
PRIVATE CABLE SYSTEMS cable/ wire- installation ✓@ 919-266-2222
5217 Fields Laurie A ✓@ [13]♠(1993)
Halva Stanley K & Helen G ✓@ [34] ♠(1976) 919-266-0441
5220 Maas James I & Mary A ✓@ [18]♠ (1977)

BUSINESSES 3 HOUSEHOLDS 13

WILLIAM HENRY WAY (CARY)
• ZIP CODE 27519 CAR-RT R063

103 Basawa Rajesh R ✓ [4]♠(2008)
104 Kachalia Rahul ✓ [4]♠(2009)
105 Shah Aditi J ✓@ [6]♠(2007) 919-377-0295
106 Pilli Nalanda ✓ [4]♠(1997) 919-650-3477
107 Shirumalla Shravan K & Meena ✓ [2] ♠(2009) 919-439-0046
108 Vipparla Nagaraju ✓@ [4]♠(2009) 919-439-9115
109 Pulkurthi Mahanandi R ✓ [4]♠ (2007) 919-386-8051
110 Boulia Donald J & Kirsten A ✓ [5]♠ (2009) 919-461-3922
116 No Current Listing
118 ♀ Hampton Troy ✓
205 Balakrishnan Syam S & Maya ✓ [4] ♠(2009) 919-467-4172

HOUSEHOLDS 11

WILLIAMS ST (CARY)-FROM 201 S WEST ST SOUTHWEST
• ZIP CODE 27511 CAR-RT C030

308 Long Luther Y Sr & Margaret D ✓@ [16]♠(1925) 919-460-6333
309 Harward Lillie M ✓ [48]♠(1930) 919-467-8341
Harward Brenda C 919-467-8341
310 Busby Scott G & Wendy H ✓ [21]♠ (1934) 919-462-9458
312 Riddle James M Jr ✓ [50]♠(1955) 919-467-9135
313 Medlin Jessica L ✓ [5]
Medlin Donna
316 ♀ Nowakowski Darlene A ✓ ♠(1961)
317 Kane Mary L ✓ [3]♠(1961)
319 ♀ Barton Mardi ✓
+ S DIXON AVE INTERSECTS
+ W PARK ST INTERSECTS

HOUSEHOLDS 8

E WILLIAMS ST (APEX)
• ZIP CODE 27502 CAR-RT C003

209 TACOS MEXICO RESTAURANT restaurants ✓@ 919-362-8074
301 Gordon William E [5]♠(1993)
SCOTT'S GALAXY FOODS grocers-retail ✓@ 919-362-7949
302 KANGAROO EXPRESS convenience stores ✓@ 919-387-3947
304 BIG SKY GUN & PAWN pawnbrokers ✓@ 919-303-8555
314 EXPRESS MART convenience stores ✓@ 919-267-5857
402 FIRST BANK banks ✓@ 919-303-5148
406 Holland Tyree B & Tiny B ✓ [24]♠ (1949) 919-362-8187
410 A Z HAIR RESTORATION hair replacement ✓@ 919-362-5090
ANTI AGING & AESTHETIC MED CTR clinics ✓@ 919-362-5910
APEX MEDICAL CTR physicians & surgeons ✓@ 919-362-5088
APEX PROFESSIONAL BUILDING office buildings & parks ✓@ 919-362-5912
HILL REBECCA R nurses-practitioners ✓@ 919-362-5910
Zacco Arthur D ✓ [16]♠(1993)
412 A LIBERTY TAX SVC tax return preparation/filing ✓@ 919-303-7043
B DESIGNER FLOOR FASHIONS floor laying refinishing/resur ✓@ 919-363-0974
B Jones Austin A @ [4]
B Jones Aaron
C STATE FARM INSURANCE insurance ✓@ 919-303-7774
C ♀ Waldro Amy E ✓
C Waldro Christie D
D RAINES MACY dental hygienists ✓ @ 919-362-5777

E WILLIAMS ST Cont'd

D ROGERS STANLEY G DDS dentists ✓@ 919-362-5777
420 DISCOUNT AUTO INSURANCE insurance ✓@ 919-362-9339
NATIONWIDE INSURANCE insurance ✓@ 919-387-2886
422 CLASSIC BARBER SHOP & HAIR barbers ✓@ 919-387-9470
426 WINDS OF CHANGE MINISTRIES churches ✓ 919-363-8173
500 ARKANE ART TATTOO tattooing ✓ @ 919-200-4254
502 AMAZING HAIR STUDIOS beauty salons ✓ 919-363-3488
Gillette Tawanna ✓ [2]
504 DESIGNER'S WORKROOM INC curtains-mfrs ✓@ 919-362-8551
506 DAILY SHAKE vitamin & food supplements ✓@ 919-267-6507
510 CAROLINA MEDICAL SALES INC physicians & surgeons equip ✓@ 919-303-0070
512 E G HOLMES & ASSOC electronic instruments ✓@ 919-387-1072
514 APEX PRINTING CO commercial printing ✓@ 919-362-9856
516 JAZZERCISE exercise & phys fitness prog ✓@ 919-367-8909
518 EM-R WINGS restaurants ✓@ 919-387-0082
522 SLR GIFTS BEADS & JEWELRY beads ✓@ 919-961-0686
STUDENT LEARNING RECOVERY tutoring ✓@ 919-303-3090
524 1-800-DRYCLEAN cleaners ✓@ 919-303-3475
532 CLARK SECURITY SYSTEMS INC security guard & patrol serv ✓@ 919-362-6454
534 MOLLY MAID house cleaning ✓@ 919-387-3899
540 J & S NEW YORK PIZZA pizza ✓@ 919-363-0071
542 ULTIMATE EXPRESSIONS gift shops ✓@ 919-303-5120
544 GRAND INDIA MART grocers-retail ✓ @ 919-303-1800
546 SUNSHINE COMPUTERS computer & equip dlrs ✓@ 919-303-2112
548 CAVEMAN COMPUTERS computers- serv & rpr ✓@ 919-303-0119
SOUTHERN TIRE SALES & SVC INC tire-dlrs-retail ✓@ 919-362-8616
SUPER AUTO PARTS auto parts & supl- retail-new ✓@ ..919-362-8209
554 R & J AUTO REPAIR mufflers & exhaust sys-engine ✓ 919-362-6630
700 YAMATO OF APEX restaurants ✓@ 919-303-8088
701 APEX COIN & CURRENCY coin dlrs supl & etc ✓@ 919-387-4544
701 1/2 CITY BARBER SHOP barbers ✓ @ 919-387-7611
703 APEX INSPECTION CTR auto inspection stations ✓@ 919-367-9220
705 KANGAROO EXPRESS grocers-retail ✓@ 919-362-1164
TRM business mgmt consultants ✓@ 919-362-6144
708 APEX AUTO SVC auto rpr & serv ✓ @ 919-362-1680
720 VERIZON WIRELESS cellular telephones ✓@ 919-367-9666
801 BB&T banks ✓@ 919-362-7531
803 ENERGY UNITED PROPANE appliances-hshld- major-dlrs ✓@ 919-362-7970
804 FIDELITY BANK banks ✓@ 919-387-6865
805 LA MONEDA EXPRESS nonclassified establishments ✓@ 919-362-9925
807 ENTERPRISE RENT-A-CAR auto renting ✓@ 919-303-1493
809 SUBWAY restaurants ✓@ 919-362-1102
813 YOUNG GUNS INC guns & gunsmiths ✓@ 919-387-8393
Young Randall L ✓ [20]♠(1993)
815 Hunter Casey ✓ [2]
TOBACCO & MORE cigar cigarette & tobacco dlrs ✓@ ..919-363-8499
817 APEX DRY CLEANERS cleaners ✓@ 919-367-9718
820 ♀ Evrard Jackie ✓
NEW HORIZONS FELLOWSHIP churches ✓ 919-303-5266
822 J & W TOOLS tools ✓@ 919-303-4730
824 APEX PROPANE SVC gas- liquefied petro-bttld/bulk ✓@ ..919-387-9430
828 FAMILY DOLLAR STORE variety stores @ 919-362-7883

Target Street	Cross Street	Source
✓	-	Polk's City Directory

East Williams Street 2008

E WILLIAMS ST Cont'd

209 TACOS MEXICO RESTAURANT
restaurants 919-362-8074
+ S HUGHES ST INTERSECTS
301 SCOTT'S GALAXY FOODS
convenience stores ..919-362-7949
302 KANGAROO EXPRESS
convenience stores ..919-387-3947
304 BIG SKY GUNS & PAWN
pawnbrokers 919-303-8555
314 SKYMART INC food markets
.....919-362-7552
+ S MASON ST INTERSECTS
402 FIRST BANK banks ..919-303-5148
406 Holland Myrtle O [21] ♠
.....919-362-8187
Holland Tiny B 919-362-8187
410 A Z HAIR RESTORATION hair
replacement 919-362-5090
APEX MEDICAL CTR physicians &
surgeons 919-362-5088
APEX PROFESSIONAL BUILDING
office buildings & parks
.....919-362-5912
Zacco Arthur D [12] ♠
.....919-362-5088
412 LIBERTY TAX SVC tax return
preparation/filing 919-303-7043
B ACTIVATE CELLULAR INC
cellular telephones-equip/supl
.....919-367-0497
B ✠ Jones Austin A
B Jones Aaron
C STATE FARM INSURANCE
insurance 919-303-7774
C Toller Robert L [13]
.....919-362-1962
D ROGERS STANLEY G DDS
dentists 919-362-5777
420 DISCOUNT AUTO INSURANCE
insurance 919-362-9339
NATIONWIDE INSURANCE
insurance 919-387-2886
500 BUDGET TRUCK RENTAL truck
renting & lease 919-303-6500
CENTRAL CAROLINA CARPENTRY
INC carpenters 919-267-4710
504 DESIGNER'S WORKROOM INC
curtains-mfrs 919-362-8551
510 CAROLINA MEDICAL SALES INC
physicians & surgeons equip
.....919-303-0070
512 E G HOLMES & ASSOC electronic
instruments 919-387-1072
514 APEX PRINTING CO commercial
printing 919-362-9856
Woodard Charles H [23] ♠
.....919-362-9856
516 JAZZERCISE OF APEX exercise &
phys fitness prog 919-367-8909
KARATE INTERNATIONAL OF
APEX martial arts instruction
.....919-303-5695
518 EM-R WINGS restaurants
.....919-387-0082
522 SLR GIFTS BEADS & JEWELRY
beads 919-961-0686
STUDENT LEARNING RECOVERY
tutoring 919-303-3090
524 1 800 DRYCLEAN cleaners
.....919-303-3475
526 DON JOSE V mexican goods
.....919-363-2011
DON JOSES GROCERY grocers-
retail 919-363-2011
532 CLARK SECURITY SYSTEMS INC
burglar alarm sys 919-362-6454
534 MOLLY MAID house cleaning
.....919-387-3899
536 APEX VILLAGE CHIROPRACTIC
chiropractors dc 919-387-8830
Larson Kathryn R [5] ..919-387-8830
540 J & S NEW YORK PIZZA restaurants
.....919-363-0071
542 ULTIMATE EXPRESSIONS barbers
.....919-303-5120
548 SOUTHERN TIRE SALES & SVC
INC tire-dlrs-retail 919-362-8616
SUPER AUTO PARTS auto parts &
supl- retail-new 919-362-8209
554 R & J AUTO REPAIR mufflers &
exhaust sys-engine ..919-362-6630
600 APEX ACE HARDWARE hardware-
retail 919-362-8484
700 RIZ-RAZ CAFE restaurants
.....919-387-7288
701 APEX COIN & CURRENCY coin dlrs
supl & etc 919-387-4544
701 1/2 CITY BARBER SHOP barbers
.....919-387-7611
703 APEX INSPECTION CTR auto
inspection stations ..919-367-9220
+ S TUNSTALL AVE ENDS
705 PANTRY convenience stores
.....919-362-1164
708 APEX AUTO SVC auto rpr & serv
.....919-362-1680
+ JAMES ST INTERSECTS
801 B B & T banks 919-362-7531

E WILLIAMS ST Cont'd

804 FIDELITY BANK banks
.....919-387-6865
805 LA MONEDA EXPRESS
nonclassified establishments
.....919-362-9925
Pena Janet M [2]
807 ENTERPRISE RENT A CAR auto
renting 919-303-1493
809 SUBWAY restaurants ..919-362-1102
811 APEX ACCOUNTING accountants
.....919-362-6908
813 YOUNG GUNS INC guns &
gunsmiths 919-387-8393
Young Randall L [17] ♠
815 APEX BEAUTY OUTLET cosmetics
& perfumes-retail 919-362-5452
817 APEX DRY CLEANERS cleaners
.....919-367-9718
818 ABLOOM'N GARDEN florists-retail
.....919-467-6818
APEX FLORAL SVC fountains-
garden display etc ..919-362-4205
820 NEW HORIZONS FELLOWSHIP
churches 919-303-5266
822 J & W TOOLS tools ..919-303-4730
824 APEX PROPANE SVC gas- liquefied
petro-bttld/bulk 919-387-9430
828 FAMILY DOLLAR STORE variety
stores 919-362-7883
900 CAROLINA EXPRESS CARWASH
car washing & polishing
.....919-362-1840
1001 POPEYE'S CHICKEN & BISCUITS
restaurants 919-363-4644
SKIPPERS FISH FRY restaurants
.....919-303-2400
1100 AUTOZONE auto parts & supl-
retail-new 919-367-2902
1101 DALLAS FAMOUS CHICKEN
restaurants 919-362-0051
+ PERRY RD INTERSECTS
1200 Chasseloup Luis [5] ..919-303-0808
✠ Olivera Maria L ..919-290-2752
Rodriguez Jose P [6]
.....919-363-5341
TIENDA LATINA DEYSI money
transfer serv 919-367-0407
E MICHAEL'S HAIR CARE barbers
.....919-362-8969
1235 SOUTHERN SERVICES INC-OIL
CHNG auto lubrication serv
.....919-363-3900
+ APEX PEAKWAY BEGINS
+ MARCO DR INTERSECTS
1301 PIZZA INN pizza 919-362-9611
1303 BURGER KING restaurants
.....919-362-8745
+ MARK WEAVER LN BEGINS
1305 MC DONALD'S restaurants
.....919-303-1200
1307 A & K FOOD MART serv stations-
gasoline & oil 919-362-1655

BUSINESSES 71 HOUSEHOLDS 13

W WILLIAMS ST (APEX)-FROM 1199
PEMBERTON HILL RD
+ E WILLIAMS ST INTERSECTS
+ S SALEM ST CONTINUES
• ZIP CODE 27502 CAR-RT C003
400 JOYEN PROPERTIES LLC real
estate 919-303-8883
+ UPCHURCH ST INTERSECTS
441 ETERNITY BRIDAL bridal shops
.....919-387-7177
470 GROWING YEARS child care serv
.....919-387-8189
+ BRYAN DR INTERSECTS
500 LUNDY GROUP real estate
.....919-303-3260
RONALD VENEZIE MSPA dentists
.....919-303-2873
• ZIP CODE 27502 CAR-RT C000
501 US POST OFFICE post offices
.....919-362-8112
• ZIP CODE 27502 CAR-RT C003
504 VENEZIE RONALD DDS dentists
510 Danchi Theodore S [4]
.....919-362-8873
Donaldson Dorothy [2]
.....919-362-8873
Fordham Henry C Jr [4]
.....919-362-8873
STAM FORDHAM & DANCHI
attorneys 919-362-8873
511 WALGREENS pharmacies
.....919-363-1471
512 ROGERS INSURANCE insurance-
auto 919-362-8310
550 APEX FUNERAL HOME funeral
directors 919-362-8233
+ HUNTER ST INTERSECTS
+ OLIVE CHAPEL RD INTERSECTS
• ZIP CODE 27502 CAR-RT R039
601 A & K II convenience stores
.....919-303-5101
+ APEX PEAKWAY INTERSECTS
+ APEX PEAKWAY DR INTERSECTS
748 Graham Steven A & Corrine B [4] ♠

Target Street	Cross Street	Source
✓	-	Polk's City Directory

East Williams Street 2003

WILLESDEN DR Cont'd
201 Jamiolkowski Michael J & Janet M [19]▲
Weiss M J [10] 919-677-9616
202 Filippides Ramsey M & Lesley F [4]▲
.....919-677-0144
203 Norman Neil & Dennie [10]▲
.....919-678-9981
204 Fiumara Henry K [8]▲ ..919-677-9664
Fiumara Jennifer A 919-677-9664
205 Yu Oliver D & Diana O [7]▲
.....919-677-8338
206 Versteeg Ronnie K [12]▲
Versteeg Maria C
207 Kuo Henry D [15]▲ 919-677-1124
Kuo R 919-677-1124
208 Biehl Bruce D Jr [11]▲ ..919-677-1139
BUSINESSES 1 HOUSEHOLDS 21

WILLHAVEN DR (FUQUAY VARINA)
• ZIP CODE 27526 CAR-RT R014
404 Fields Rob [2] 919-552-2301
Fields Nicole 919-552-2301
409 Baldwin Lori M [2] 919-567-0493
413 Legnasky Linda M [3]▲
417 Laing Orvis K [2] 919-577-6640
Laing Lola S 919-577-6640
505 Karr James A & Amanda L [16]▲
.....919-567-0150
HOUSEHOLDS 5

S WILLHAVEN DR (FUQUAY VARINA)
• ZIP CODE 27526 CAR-RT R014
915 Φ Smith David▲
920 Φ Teague Teresa R▲
927 Snider Glen A [2]▲
Snider Sandra
931 Nesbitt Monique C & Mark S [20]▲
.....919-567-1360
932 Φ Whitaker Everine▲
936 Φ Chereski Angeline C
HOUSEHOLDS 6

WILLIAM AND MARY DR (RALEIGH)-FROM 7383 BUFFALOE RD NORTHWEST

WILLIAMS ST (CARY)-FROM 201 S WEST ST SOUTHWEST
• ZIP CODE 27511 CAR-RT C002
304 Φ Manduva Sathoesh 919-467-3133
305 Blanco Nelly D [8] 919-465-3345
Blanco Mauricio A 919-465-3345
308 Long Luther Y Jr [7]▲ ..919-460-6333
Long Luther Y Sr 919-460-6333
309 Harward Herb L & Lillie W [26]▲
.....919-467-8341
310 Busby Wendy H & Scott G [13]▲
.....919-462-9458
CRAFTSMEN CONSTRUCTION CO
home improvements 919-961-2001
Φ Do Vinhan 919-469-6037
312 Riddle James M & Katie E [20]▲
.....919-467-9135
313 Kant Erik T [8]▲ 919-468-1654
314 Φ Zhang Wenchao 919-467-6889
316 Φ Perkins Jeffrey A ..919-380-1178
317 No Current Listing
319 Courtney Rita J [4] 919-462-1839
+ S DIXON AVE INTERSECTS
+ W PARK ST INTERSECTS
BUSINESSES 1 HOUSEHOLDS 12

E WILLIAMS ST (APEX)
• ZIP CODE 27502 CAR-RT C003
100 FELICIA'S AFRICAN HAIR
BRADING beauty salons
.....919-362-6510
+ S SALEM ST CONTINUES
TOTALLY UNIQUE HAIR SALON
beauty salons 919-362-5665
+ W WILLIAMS ST INTERSECTS
104 - 107 No Current Listing (3 Hses)
+ RAILROAD CROSSES
+ S ELM ST INTERSECTS
200 Raymer David F [5]▲
Raymer Sharon
209 TACO MEXICO restaurants
.....919-362-8074
+ S HUGHES ST INTERSECTS
301 SCOTT'S GALAXY FOODS
convenience stores ..919-362-7949
304 FRANK ASCOTT AGENCY insurance
.....919-363-6292
314 N A DUNN OIL CO oils-petroleum
.....919-362-7585
+ S MASON ST INTERSECTS
402 FIRST BANK banks ..919-303-5148
406 Holland Myrtle O [18]▲
.....919-362-8187
Holland Tiny B 919-362-8187
410 A Z HAIR RESTORATION
physicians & surgeons
.....919-362-5090
APEX MEDICAL CTR physicians &
surgeons 919-362-5088
Zacco Arthur D [7] 919-362-5088
412 B DOMINO'S PIZZA restaurants
.....919-387-0030
D ROGERS STANLEY G DDS
dentists 919-362-5777
414 No Current Listing
+ SHORT ST INTERSECTS
500 BUDGET TRUCK RENTAL truck
renting & lease 919-303-6500

E WILLIAMS ST Cont'd
RAPID POST packaging serv
.....919-363-5028
501 CAROLINA ARCHITECTURAL
WDWRKS millwork ..919-387-1880
US POST OFFICE post offices
.....919-362-8112
502 YOURS & MINE SALON beauty
salons 919-387-8077
506 Φ Williams Ophelia 919-303-2668
510 CAROLINA MEDICAL SALES INC
surgical instruments-mfrs
.....919-303-0070
512 Berent Joanne C [4]▲
Berent John P
E G HOLMES & ASSOC electronic
instruments 919-387-1072
514 APEX PRINTING CO commercial
printing 919-362-9856
Woodard Charles H [18]▲
.....919-362-9856
516 KARATE INTERNATIONAL OF
APEX martial arts instruction
.....919-303-5695
518 EM-R WINGS restaurants
.....919-387-0082
528 DESIGNER'S WORKROOM INC
curtains-mfrs 919-362-8551
530 ROSCOE & ROSCOE accountants
.....919-362-7600
534 MOLLY MAIDS maid & butler serv
.....919-387-3899
536 APEX VILLAGE CHIROPRACTIC
chiropractors dc 919-387-8830
Lyons Kathryn R [11] ..919-387-8830
538 CSI-CAROLINA SVC restaurant
equip- rpr & serv 919-779-5171
540 J & S NEW YORK PIZZA restaurants
.....919-363-0071
542 ULTIMATE EXPRESSIONS barbers
.....919-303-5120
544 XPRESSION'S BEAUTY SUPPLY
cosmetics & perfumes-retail
.....919-363-7161
548 SUPER AUTO PARTS auto parts &
supl- retail-new 919-362-8209
554 R & J AUTO REPAIR mufflers &
exhaust sys-engine ..919-362-6630
R & J CUSTOM EXHAUST mufflers
& exhaust sys-engine
.....919-362-6630
R & J WELDING welding
.....919-362-6630
+ S TUNSTALL AVE INTERSECTS
600 APEX ACE HARDWARE/PURINA
hardware-retail 919-362-8484
617 MERITA BREAD BOX bakers-retail
.....919-362-6112
+ JAMES ST INTERSECTS
700 RIZ-RAZ CAFE restaurants
.....919-387-7288
701 INSTANT MONEY SVC loans
.....919-363-8282
701 1/2 CITY BARBER SHOP barbers
.....919-387-7611
703 APEX AUTO & AC REPAIR auto air
conditioning equip ..919-363-8133
705 PANTRY convenience stores
.....919-362-1164
TRM nonclassified establishments
.....919-362-6144
801 B B & T banks 919-362-7531
803 ENERGYUNITED PROPANE OF
APEX appliances-hshld- major-dlrs
.....919-362-7970
804 FIDELITY BANK banks
.....919-387-6865
805 DON JOSE V mexican goods
.....919-363-2011
Don Jose V [2] 919-363-2011
807 ENTERPRISE RENT A CAR auto
renting 919-303-1493
809 SUBWAY SANDWICHES & SALADS
restaurants 919-362-1102
811 APEX ACCOUNTING accountants
.....919-362-6908
Christenberry John D [7]▲
.....919-362-6908
813 YOUNG GUNS INC guns &
gunsmiths 919-387-8393
Young Randall L [18]▲
815 APEX BEAUTY OUTLET cosmetics
& perfumes-retail 919-362-5452
816 VELVET TOUCH CATERING
caterers 919-303-5151
817 ROSAMOUND DRY CLEANERS
cleaners 919-367-9718
818 ABLOOM 'N GARDEN florists-retail
.....919-362-4205
APEX FLORAL SVC florists-retail
.....919-362-4205
820 NEW HORIZONS FELLOWSHIP
churches 919-303-5266
824 APEX PROPANE SVC gas- liquefied
petro-btld/bulk 919-387-9430
828 FAMILY DOLLAR STORE
department stores ..919-362-7883
+ APEX PEAKWAY INTERSECTS
+ APEX PEAKWAY DR INTERSECTS
830 POP'S HOMEMADE ICE CREAM
INC ice cream parlors
.....919-363-1411
+ MARCO DR INTERSECTS

ass Credit Reports on-line and other Polk City Directories @ www.citydirectori

Target Street	Cross Street	Source
✓	-	Polk's City Directory

East Williams Street 1998

WILLIAM AND MARY DR
Penniman Lynn R.....217-6927
5201 McRae Alfred E & Kaye ▣ ♠
.....217-1293
5204 Williams John W ▣+ ♠
.....266-5415
5205 Pearce Roy N & Sharon ▣ ♠
5206 Moser Mary B ▣+ ♠ 266-9516
Moser William E.....266-9516
5209 Ellington Nelvin F ▣+ ♠
Ellington Gail R
5213 Carter Dennis W & Lois ▣+
♠.....266-9442
5216 Owen Allen T ▣ ♠
Owen Nita C
5217 Not Verified
5220@Fick John H ♠
Fijen Jack L Jr & Rebecca ▣
♠.....217-9844
@Schetrompf Scott B
HOUSEHOLDS 15

WILLIAMS RD (RALEIGH)-FROM 3401 POOLE RD SOUTH
- ZIP CODE 27610 CAR-RT C025
906@Lawrence Schrail L
Long Delphene W ▣
A Williams Bettye A ▣
.....250-1915
A Williams Pamela E 250-1915
C@Tyra Delwin W
907@Duell Kenneth E ♠
Duell Henry L
909 Benton Vickie M ▣
910 Sullivan Harry M ▣+ ♠
.....231-7584
Sullivan Elizabeth H...231-7584
911 Not Verified
912 Putnam Joyce C ▣+ ♠
.....231-7971
Putnam John D.....231-7971
913 Sutton Charles A ▣
Sutton Angel S
B Stripling Laurie D ▣
914 Battle Henry L & Peggy ▣+ ♠
BATTLE ROOF CLEANING
SERVICE rfng sdng sht
mtl.....231-0198
916 Hardy James H Jr & Cheryl
▣+ ♠
917 Bowen Mary V ▣ ♠....231-3962
Bowen Clifford D Jr...231-3962
918 Brown William C ▣ ♠..250-9279
919 Scott Henry M ▣ ♠
Scott Marchia J
920 Troublefield Marshall E Sr ▣+
♠
Troublefield Gloria N
A Sampson Karen L ▣
C-D Not Verified (2 Apts)
BUSINESSES 1 HOUSEHOLDS 20

WILLIAMS ST (CARY)-FROM 175 S WEST ST SOUTHWEST
- ZIP CODE 27511 CAR-RT C002
305@Campbell Kelly L
@Walters Kelly L
308 Long Luther Y Sr & Margaret
▣ ♠.....460-6333
309 Harward Henry L ▣....467-8341
Harward Lillie W.....467-8341
310@Busby Scott G ♠.....462-9458
@Haggerty Wendy L
312 Riddle James M & Katie ▣+ ♠
.....467-9135
313 Not Verified
316@Johnson Laurence A II
@Sutton Timothy D
319@Bruce Elizabeth A
+W PARK ST INTERSECTS
+S DIXON AVE INTERSECTS
HOUSEHOLDS 11

WILLIAMS ST (ROLESVILLE)-FROM 100 PULLEY ST NORTHWEST
- ZIP CODE 27571 CAR-RT R001
105 Baker Robert R & Elizabeth ▣
♠
109 Rosato Nail P ▣ ♠ 554-1749
Rosato Kathleen M....554-1749
HOUSEHOLDS 2

E WILLIAMS ST (APEX)-FROM 300 S ELM ST SOUTHEAST
+W WILLIAMS ST BEGINS
- ZIP CODE 27502 CAR-RT C003
104 Horton Thaddeus J Jr ▣
.....387-3330
Horton Juanita A.....387-3330
106 Not Verified
110@Pope William M.....639-6688
+S HUGHES ST INTERSECTS
+S MASON ST ENDS
+CUNNINGHAM ST ENDS
301 Not Verified
302 Willard Robert A Jr ▣ ♠
304 CAROLINA PACKAGING &
SUPPLY nondurable gds
.....362-6937
@Sigler Jeremy.....387-1554
Sigler Ralph J Jr.....387-1554
+SHORT ST BEGINS
401@Herring Tracy.....639-4635
402@Amos Fred.....639-3270
403@Studebaker Todd.....639-7624
404@McLauchlin Charles....639-6766
405@Carter Don S.....639-7812
406 Holland Myrtle O & Tiny ▣+ ♠
.....362-6187
407@McLeod Tim.....639-4676
408@Moore Trey.....639-3252
409@Adams Joe W.....639-6659
410@Zacco Arthur D ♠.....362-6088
412 DESIGNLINE HAIR STYLING
misc pnrl svcs.....362-1166
C@Tolar Robert L ♠
D ROGERS STANLEY ofcs
clns of dntsl.....362-5777
413@Beatty Rev Paul J.....639-7216

E WILLIAMS ST
414@Gonzalez John.....639-2492
+S TUNSTALL ST BEGINS
+JAMES ST INTERSECTS
500 TRICIAS beauty shops.387-0223
501 U S P S MAIN POST OFFICE
govt ofc.....362-6112
502 YOURS & MINE BEAUTY
SALON beauty shops.387-8077
510 ROSICRUCIAN ORDER
AMORC civic social assns
.....387-7873
514 APEX PRINTING CO commrcl
prtng lith.....362-9856
Woodard Charles H ▣+ ♠
.....362-9856
516 A & E ELECTRONICS
ASSEMBLY printed circt brds
.....362-6740
518 M R WINGS eating places
.....387-0082
522 DESIGNERS WORKROOM
hmefurnishings.....362-8551
526 INTEGRATED PEST
MANAGEMENT SYSTEMS
farm supplies.....362-9952
528 TRIANGLE ACADEMY OF
DANCE dance stdios/schs
.....387-1298
530 Hawley David M ▣
532 MOLLY MAID OF CARY bldng
maint svc.....387-3899
534 Not Verified
536 Lyons Kathryn R ▣.....387-8830
LYONS KATHRYN R ofcs clns
chrprctr.....387-8830
538 CAPITAL PAVING AND
GRADING concrete work
.....362-5885
542 TM ALLEN HAIR DESIGNS
beauty shops.....362-4247
544 APEX AUTOMOTIVE
WAREHOUSE auto home appl
str.....362-8209
546 APEX ACUPUNCTURE ofcs
hlth pmrs.....387-4988
@Li Zhen ♠
548 SOUTHERN TIRE SALES &
SERVICE auto home appl str
.....362-8616
554 Lowery Robert M ▣+ ♠
R & J MECHANICAL &
WELDING plumb-htg-a/c
.....362-6630
600 ACE HARDWARE hardware
.....362-8484
601 A & K FOOD MART II grocery
stores.....303-5101
603@Mowett Garey.....639-6789
606 H & R BLOCK OF APEX tax
svcs.....362-4594
607@Copeland Allene.....639-6740
608 Not Verified
609@Ragland Hazel.....639-6003
610 CARPET MARKET
hmefurnishings.....362-1535
617 INTERSTATE BRANDS CORP
retail bakeries.....362-6112
700 HARD LUCK CAFE eating
places.....387-7288
701 COMMUNITY BARBER SHOP
barber shops.....387-7611
TOWN & COUNTRY
COIFFEURS beauty
shops.....362-4718
Wilson Michael G ▣ ♠
Wilson Susan K
703 TIM WILLIFORDS AUTO &
EXHAUST prt & body rpr
.....387-7322
705 PANTRY FOOD STORES
grocery stores.....362-1164
708 Austin James W ▣+ ♠
WESTERN AUTO ASSOCIATE
STORES auto home appl
str.....362-6172
+APEX PEAKWAY DR
INTERSECTS
801 BRANCH BANKING AND
TRUST CO APEX BRANCH
state commrcl banks..362-5700
803 ALL STAR GAS INC lqfd petro
gas dlrs.....362-7970
805 4 STAR VIDEO video tape
rental.....362-4442
809 APEX SUBWAY SANDWICHES
eating places.....362-1102
811 Christenberry John D ▣+ ♠
813 Young Randall L ▣+ ♠
YOUNG GUNS sptg gds/bike
shp.....387-8393
816 SEAFOOD EXPRESS
RESTAURANT eating places
.....362-1800
817 Not Verified
818 LE SAISON FLEURIST florists
.....362-4205
@Nevruz Bill.....362-5318
820 FOOD LION STORE grocery
stores.....362-0801
824 APEX PROPANE SERVICES
lqfd petrm gas dlrs....387-9430
Watkins Rickey G ▣ ♠
826 REVCO DRUG STORE drug
store.....362-5637
828 FAMILY DOLLAR variety stores
.....362-7883
Hanson Palee ▣.....362-5500
Hanson Patricia A.....362-5500
+S HUGHES ST ENDS
900 Not Verified
930 Jones John H ▣.....362-9127
+LUFKIN RD BEGINS
1101 RAM FOOD SERVICE drct
sling esbmnts.....362-0051
1200 Bain Jessica V ▣+....387-1645
HEROES & VILLAINS book
stores.....387-8321
PAT'S HAIR STYLING beauty
shops.....362-7751
ROZYS ALTERATIONS lndry
gmt svcs.....363-0490
TIM NAIL SALON beauty
shops.....303-2008
534 Not Verified

Target Street	Cross Street	Source
✓	-	Polk's City Directory

East Williams Street 1993

WILLIAMS ST E (APEX)–FROM S SALEM ST EAST 1 SOUTH OF E MOORE ST

• ZIP CODE 27502

200 Not Verified
209 HOUSE OF CHINA THE 362-8074
301 SCOTT'S FOOD PRIDE 362-7949
302 TRIANGLE AMOCO gas sta 362-4493
304 A LOOK A HEAD beauty salon
314 DUNN N A-OIL CO gas station 362-7585
402-406 Not Verified (2 Hses)
408 APEX LODGE NO 534
410 APEX MEDICAL CENTER 362-5088
Cary BEST JAS TED 410 e william st
412a STATE FARM INS CO 387-1070
412b DOMINO'S PIZZA 387-0030
412c APEX EYE CARE optometrist 362-1962
TOLER ROBT optometrist 362-1962
412d ROGERS STANLEY G phys 362-5777
412e DESIGN LINE HAIR STYLING & SUN TANNING 362-1166
500a HOLLEMAN ENTERPRISE
502 Vacant
506 Not Verified
508-510 Vacant (2 Businesses)
512 HOLMES E G & ASSOCIATES 387-1072
514 APEX PRINTING CO 362-9856
516 A & E ELECTRONIC ASSEMBLY INC equip & sups 362-8740
518 Not Verified
520 Vacant
522 Not Verified
524-526 Vacant (2 Businesses)
528 Not Verified
530 Not Verified
532 Not Verified
534 Not Verified
536 Not Verified
538 Not Verified
540 Not Verified
544 SUPER AUTO PARTS auto parts & accessories 362-8209
546 Vacant
548 SOUTHERN TIRE SALES & SERVICE 362-8616
552 Not Verified
554 Not Verified
600 APEX ACE HARDWARE & SUPPLY 362-8484
606 H & R BLOCK INCOME TAX SERVICE 362-4594
608 Not Verified
610 CARPET MARKET carpet & rug dlrs-new 362-1535
617 MERITA BREAD BOX 362-6112
700 HARD LUCK CAFE 387-7288
701 TOWN & COUNTRY COIFFURES 362-4718
701½ COMMUNITY BARBER SHOP
703 AUTO & EXHAUST auto repr 387-7322
705 PANTRY THE groc & meats ret 362-1164
708 WESTERN AUTO 362-6172
• JAMES ST INTERSECTS
801 BRANCH BANK & TRUST CO (BR) 362-5700
803 Not Verified
805 FOUR STAR VIDEO video rentals 362-4442
807 BEAUTY SUPPLY
809 SUBWAY restr 362-1102
811 APEX ACCOUNTING 362-6908
813 YOUNG GUNS gun shop
814 APEX MAYTAG COIN LAUNDROMAT
815 Vacant
816 DAVID'S 362-7725

Target Street	Cross Street	Source
✓	-	Polk's City Directory

East Williams Street 1989

WILLIAMS RD–Contd
917 Franklin Thos W ◎ 828-7702
918 Wagoner W Henry ◎ 834-9665
919 Hollifield Fletcher Jr ◎ 828-3676
920c No Return

604

WILLIAMS ST (CARY)–FROM 201 S WEST ST WEST 1 SOUTH OF W CHATHAM ST

ZIP CODE 27511
305 Duke Edna Mrs ◎ 437-6848
309 Harward Herb L ◎ 467-8341
312 Riddle James M ◎ 467-9135
313 Grimes Larry
316 Gooch Helen C 469-0090
317 Lowry Debra K 467-7660
319 Mize Clifton E 469-2290

624

WILLIAMS ST E (APEX)–FROM S SALEM ST EAST 1 SOUTH OF E MOORE ST

ZIP CODE 27502
NUMBERS IRREGULAR
104 No Return
106 Vacant
107 Melvin Elijiah J 362-0726
209 House Of China The 362-8074
212 No Return
301 Piggly Wiggly Stores 362-7949
302 Triangle Amoco Inc gas sta 362-4493
314 Dunn N A-Oil Co 362-7585
402 Holt Elvis C ◎ 362-6443
406 Holland Tiny B ◎ 362-8187
410★Mc Keithan Gregory 362-4315
414 Weston Noel ◎ 362-1436
500a Apex Village Center shopping cntrs
502 Vacant
504 Apex Eye Care 362-1962
510 Vacant
512 Window Works custom interiors 362-1262
514 Apex Printing Co 362-9856
516 A & E Electronic Assembly Inc equip & sups 362-8740
518 Tiffany's Pizza & Subs 362-0913
522 Capital Water Treatment Co water treatment 362-5984
524 Vacant
526 Martin Cleaners & Laundromat 362-9414
528 Masonic Lodge No 584 Apex Chapter 272
530 Vacant
532 Apex Cary Land Co real estate 362-8100
534 Rogers Stanley G dentist 362-5777
536 Design Line Hair Styling 362-1166
540 Apparel Master Uniform Rental Service 362-9414
Eldon Drapery Cleaner 362-9414
Martin Clnrs 362-9414
544 Super Auto Parts auto parts & accessories 362-8209
546 Johnson's Flower Shop 362-4205
548 Southern Tire Sales & Service 362-8616
552 Petroleum World Inc distributor 362-5803
554 R & J Auto Repair 362-6630
600 Apex Ace Hardware & Supply 362-8484
Rear Vacant
606 H & R Block Income Tax Service 362-4594
608 Branam Electric contractors 362-1622
610 Carpet Market Inc 362-1535
611 Brannon Oil Co (whse)
617 Vacant
700 Circus Restaurant 362-6233
701 Town & Country Coiffures 362-4718
701½ Community Barber Shop 362-6549
703 Trading Post bldg sup 362-9851
705 Pantry The groc & meats ret 362-1164
801 Branch Bank & Trust Co (Br) 362-5700
803 Vacant
805 Gotcha Arcade & Billiards 362-4449
807 Mister Video 362-1515
809 Subway restr 362-1102
811 Apex Accounting 362-6908
813 Apex Cosmetic Outlet 362-5452
814 Apex Maytag Coin Laundromat
815 Vito's Famous Pizza 362-0525
816 David's 362-7725
817 C & C Optical Inc 362-6080
818 Sweetbriar Florist floral designers 362-4329
820 Food Lion 632-0801
822 North Carolina Video video rental 362-1164
824 Vacant
826 Revco Store discount drug store 362-0837
828 Family Dollar Store 362-7883
900 Toomer Joseph E ◎ 362-7938
1001 Hardee's Of Apex restr 362-5444
1011 Dallas Chicken & Biscuits 362-0051
1200 Rebecca's Hairstyling 362-8150
Hi-Tech Signs 387-0055
A & K Food Mart 362-1655
F & S Exxon Service Station 362-7972
1200b Pat's Hairstyling 362-7751
1200c Vacant

62

WILLIAMS ST W (APEX)–FROM ELM ST NORTHWEST

ZIP CODE 27502
101 Jones Forklift Service 362-4767
109 Apex Seafood Market 362-6512
1ST ST BEGINS
ROGERS ST BEGINS
300 Apex Rescue Squad 362-7181
UPCHURCH ST INTERSECTS
400 Apex Chamber Of Commerce 362-6456
Vacant
Vacant
410 Butler Lela M Mrs ◎ 362-6568
411 Apex Manufacturing Company Inc swim suits 362-8351
Neptune Fashion Outlet 362-8351
411a Vacant
Apex Funeral Directors Inc 362-8233
HUNTER ST INTERSECTS

52

WILL-O-DEAN RD –FROM DEAN AV WEST

ZIP CODE 27604
4515 Reid C Rodney ◎ 872-7775
4609 Vest Susan R
4801 Huffman James ◎ 876-5446
4805 Poole Hunter A ◎ 876-6380
4809 Vest Thos L ◎ 876-8973
4905 Doby Wm P ◎ 876-7563

Target Street	Cross Street	Source
✓	-	Hill's City Directory

East Williams Street 1984

WILLIAMS ST E (APEX)—FROM S SALEM ST EAST 1 SOUTH OF E MOORE ST

ZIP CODE 27502
NUMBERS IRREGULAR
Piggly Wiggly Stores gro 362-7949
102 Church Of God Of Prophecy The
104 Medlin Frances E 362-4338
106 Horton Herbert R ◎ 362-7984
107 Vacant
209 House Of China 362-8074
212 Howell Leona R Mrs 362-6353
300 Triangle Amoco Inc gas sta 362-4493
314 N A Dunn-Oil Co 362-7585
402 Holt Elvis C pntr ◎ 362-6443
406 Holland Tiny B ◎ 362-8187
414 Howard Gerald W ◎
Masonic Lodge No 584 Apex Chapter 272
Professional Building 362-7353
Stiles Eddie P phys 362-7353
504 Southern Tire Sales & Service 362-8616
500 Pantry The gros 362-9152
A & E Electronic Assembly Inc 362-8740
Apex-Cary Land Co 362-8100
Clark Pavement Markings 362-4961
500a Super Auto Parts 362-8209
500b Eldon Cleaner 362-9414
500c Computer Co
500k A & R Barnes 362-8243
501 Rogers Stanley G dentist 362-5777
500 Jackson Charles R Jr Ins
600 Apex Hardware & Supply 362-8484
Neighbor Hood Florist & Gifts 362-0515
H & R Block Income Tax Serv 362-4594
611 Apex Printing Co 362-9856
617 Jan's Chicken & Biscuit 362-0850
700 Circus Restaurant 362-6233
701 Town & Country Coiffures 362-4718
701½ Community Barber Shop 362-6549
703 Holt's Auto Service 362-0607
705 Apex Car Wash
708 Micro South 362-9235
710 Monty's Car Wash 362-6848
720 North Carolina Video 362-0931
Alpha Ice Cream Parlor The 362-5050
825 Hardee's Of Apex restr 362-5444
826 Revco Store 362-0837
828 Family Dollar 362-7883
829 Dallas Chicken & Biscuits 362-0051
1200 Rebecca Hairstyles
Clothes & Thing 362-0870

Target Street	Cross Street	Source
✓	-	Hill's City Directory

East Williams Street 1979

WILLIAMS ST E (APEX)—FROM S SALEM ST EAST 1 SOUTH OF E MOORE ST

ZIP CODE 27502

Piggly Wiggly Stores 362-7949
104★Medlin Frances 362-4338
106 Horton Herbert R ◎ 362-7984
107★Lee Jeanette 362-4842
212 Howell Leona R Mrs 362-6353
300 Triangle Amoco Inc 362-9105
312 Reagan Edna P Mrs 362-9639
314 Wrenn Iva Mrs 362-6471
402 Holt Elvis C pntr ◎ 362-6443
406 Holland Tiny B ◎ 362-8187
414 Howard Gerald W 362-8094
Masonic Lodge No 584
Professional Building 362-7353
Stiles Eddie P phys 362-7353
500 Southern Tire Sales & Service 362-8616
Pantry The gros 362-9152
Jackson Charles R Jr Insurance 362-5992
500a Super Auto Parts 362-8209
500b Martin Cleaners 362-9414
500c B & B Electro Static 362-5706
500d Rogers Stanley G dentist 362-5777
500e Apex Developement & Realty Co 362-6848
500f Colonial Life & Accident Insurance
617 Family Sportwear 362-5072

Target Street	Cross Street	Source
✔	-	Hill's City Directory

East Williams Street 1979

E WILLIAMS ST (A)—Contd

700 Tastee-Freez 362-6233
701 Town & Country Coiffures beauty shop 362-4718
701½ Community Barber Shop 362-6549
703 Sears Union Seventy Six 362-4932
705 Apex Car Wash
706 Apex Master Tire Service 362-7200
707 Vacant
708 Dome Inc The 362-6616
710 Monty's Car Wash 362-6848
825 Hardee's 362-5444
829 Roy Rogers Family Restaurant 362-9183
Apex TV Service 362-4905
Honbarrier Building & Real Estate Co 362-4818
Decorators Gallery The
Barnes A R Land Surveyor 362-8243
Apex Phillips Sixty Six Service Station 362-9122
F & S Exxon Service Station 362-7972
Powell Texaco Station 362-8272
Ready Mixed Concrete Plant No Five
Pyrofax Gas Corp 362-7997
Sorrell Grading Contractors 362-7578
Dixie Pipeline Co 362-7757
Kenan Transport Co 362-8636
Apex Veterinary Hospital 362-8878
Propane Trucks Inc truck bodies 362-5000
Riggsbee Auto Parts 362-8397
Eagle Transport 362-4516

Target Street	Cross Street	Source
✓	-	Hill's City Directory

East Williams Street 1974

WILLIAMS ST E (APEX)—FROM S SALEM ST EAST 1 SOUTH OF E MOORE ST

ZIP CODE 27502
Crittenden's Grocery 362-9101
Piggly Wiggly Stores 362-7949
106 Horton Herbert ◎ 362-7984
200 Woodell Wm G ◎ 362-6459
202 Barnhill John D
212 Howell Leona R Mrs 362-6353
Rear ★ Beddingfield Lucille
300 Triangle American Gas Service 362-9105
306 Reagan Edna P Mrs 362-7166
308 Wrenn Iva Y Mrs 362-6471
402 Holt Elvis C ◎ 362-6443
406 Holland Tiny B ◎ 362-8187
414 Howard Gerald W 362-8094
Masonic Lodge No 584
Professional Building 362-7353
Stiles Eddie P phys
Pantry The gros 362-9152
500 Duke Bonnard ◎ 362-7109
617 Tastee-Freez 362-6233
706 Vacant
708 Dome Inc The 362-6616
Wrangler Food Systems Inc restr 362-7852
Kitchen Helper The genl mdse 362-8438
Mobile Self Serv Gas
Jo Ann's Hairstyling 362-6944
Community Barber Shop 362-9129
Smith's Union 76 362-6485
Apex Car-Wash
F & S Exxon Service 362-7972

Target Street	Cross Street	Source
✓	-	Hill's City Directory

East Williams Street 1974

E WILLIAMS ST (A)—Contd

Apex Phillips Sixty Six Service Station 362-9122
Powell Texaco Station 362-8272
Caro Pwr & Light Sub Sta
Adams Wm A 362-8057
Pyrofax Gas Corp 362-7997
656 Dixie Pipeline Co 362-7757
Vacant
Kenan Transport Co l p gas trans 362-8636
Apex Development & Realty Co 362-6848
Apex Master Tire Co 362-7200
Gaster Real Estate 362-8438
Mobile Self-Service Gas
Monty's Car Wash 362-6848
Rea Aluminum Sales
Southern Tire Sales & Service 362-8616

Target Street	Cross Street	Source
✓	-	Hill's City Directory

East Williams Street 1969

3

WILLIAMS ST E (APEX)-FROM S SALEM
ST EAST, 1 SOUTH OF E MOORE ST

---ZIP CODE 27502
PROGRESSIVE STORES INC GRO
354-5411
202 SEDGROVES PEARL G MRS
GOODWIN CORALEC
204 HOWELL LEONA R MRS 354-5363
REAR PENDERGRAFT SHERWOOD
300 PENDERGRAFT BOBBY L PNTR •
354-4322
302 PENDERGRAFT LEVY L • 354-6336
304 PENDERGRAFT B L SERVICE
STATION • 354-6336
308 WRENN IVA Y MRS 354-6471
402 HOLT ELVIS C • 354-6443
406 HOLLAND TINY B 354-4132
MASONIC LODGE NO 584
500 TRIPLETT CLEO C • 354-5483
TRIPLETT C C GRADING
CONTRACTORS CO 354-5483
617 TASTEE-FREEZ • 354-6233
706 APEX MOTOR LINES INC
PETROTRANS 354-4371
BUNKER FUELS INC WHSE PETRO
354-4371
708 DOME INC THE 354-6616
PARKER RUBY J MRS
PARKER LUCIUS T
GIBBONS CASSIE W MRS •
KERSEY LLOYD
SCOTT MARION L MRS
---U S HWY 1 INTERSECTS
---STATE HWY 55 INTERSECTS
F & S ESSO SERVICE 354-6670
APEX PHILLIPS SIXTY SIX SERVICE
STATION 354-7772
CAROLINA POWER & LIGHT SUB STA
COZART JOHN L
M & M TANK LINES INC L P GAS
TRANS 354-2361
BX656 DIXIE PIPELINE COMPANY
PROPANE PIPELINE TRANS
354-6473
GLENDA'S HAIR DESIGN 354-4591
COMMUNITY BARBER SHOP • 354-9129
MATTHEWS PURE SERVICE 354-6269

6

Target Street	Cross Street	Source
✓	-	Hill's City Directory

East Williams Street 1967

3

WILLIAMS ST E (APEX)-FROM S SALEM
ST EAST, 1 SOUTH OF E MOORE ST

---ZIP CODE 27502
PROGRESSIVE STORES INC GRO
354-5411
202 SEDGROVES PEARL G MRS
GOODWIN CORALEC
204 HOWELL LEONA R MRS 354-5363
REAR MILLS TOMMY 354-6584
300 PENDERGRAFT BOBBY L PNTR •
354-4322
302 PENDERGRAFT LEVY L • 354-6336
304 PENDERGRAFT L L SERVICE
STATION GAS • 354-6336
306 MC CORMICK J EARL
308 WRENN IVA Y MRS 354-6471
402 HOLT ELVIS C PNTG & DEC •
354-6443
406 HOLLAND TINY B
MASONIC LODGE NO 584
SOLES JOHN M 354-6485
500 TRIPLETT CLEO C • 354-5483
TRIPLETT C C GRADING
CONTRACTORS CO • 354-5483
617 TASTEE-FREEZ • 354-6233
706 APEX MOTOR LINES INC
PETROTRANS 354-4371
BUNKER FUELS INC WHSE PETRO
354-4371
708 TULOMA GAS PRODUCTS CO
BOTTLED GAS 354-4711
PARKER RUBY J MRS 554-6424
PARKER LUCIUS T 354-6424
GIBBONS CASSIE W MRS • 354-6598
KERSEY LLOYD
SCOTT MARION L MRS
DAVID'S BARBECUE AND RESTAURANT
•
---U S HWY 1 INTERSECTS
---STATE HWY 55 INTERSECTS
REYNOLDS ESSO SERVICE 354-6670
UNDER CONSTN
CAROLINA POWER & LIGHT SUB STA
COZART JOHN L
M & M TANK LINES INC L P GAS
TRANS 354-2361
BX656 DIXIE PIPELINE COMPANY
PROPANE PIPELINE TRANS
354-6473
PHYLLIS'S BEAUTY SHOP 354-4591
COMMUNITY BARBER SHOP • 354-9129
MATTHEWS PURE SERVICE 354-6264

6

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Cooke Street 2012

COOKE ST (APEX)-FROM 606 S HUGHES ST EAST

• ZIP CODE 27502 CAR-RT C003

408 Pagan Myrna C & Jaime F ✓ [3] ♠
(1993) 919-303-1792

410 Gwyn Robert G & Patricia I ✓ [44] ♠
(1965) 919-362-7897

411 Kerley Timothy H & Shannon L ✓
[48] ♠ (1963) 919-362-7178

412 Evans Christina L ✓ [2]
A Pratt Tracy L @ [3]
A Pratt Asia K

412 A Steadman Tracy L ✓ [3]

419 Morgan Herbert S Jr & Jeanette W ✓
[50] ♠ (1960) 919-362-6338

420 Carraway Shelley R ✓ @ [5] ♠ (1960)
.....919-362-4097
Carraway Charles M ..919-362-4097

421 Morgan Thomas W & Deborah M ✓
@ [32] ♠ (1984) 919-362-0272

425 Crane Wallace R & Paula W ✓ [32] ♠
(1961) 919-362-7255

426 Lord Christopher ✓ [2] ♠ (1960)
Lord Judith

+ *SHORT ST INTERSECTS*

HOUSEHOLDS 11

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Cooke Street 2008

COOKE ST (APEX)-FROM 606 S HUGHES ST EAST

• ZIP CODE 27502 CAR-RT C003

408 Holmes Anthony V ♠ 490

410 Gwyn Robert G & Patricia I [40] ♠
.....919-362-7897

411 Kerley Betty M [44] ♠ ..919-362-7178

412 Rameriz Luis 919-267-4474 490

Ramirez Louise F [2]
.....919-303-1347

419 Morgan Jeanette W [46] ♠ 490
.....919-362-6338

Morgan Herbert S Jr ..919-362-6338

420 BRADLEY CUSTOM TRIM
carpenters 919-303-5277

Bradley Joseph A [4] ♠

Bradley Presha A

421 Morgan Thomas W & Deborah M [28]
♠ 919-362-0272

425 Crane Wallace R & Paula W [28] ♠ 490
.....919-362-7255

426 Cooke Roy M & Mildred W [47] ♠
.....919-362-6226

429 No Current Listing

+ SHORT ST ENDS

BUSINESSES 1 **HOUSEHOLDS 11**

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Cooke Street 2003

COOKE ST (APEX)-FROM 622 SHORT ST WEST

• ZIP CODE 27502 CAR-RT C003

408 Hooks Lois P 20 ♠ 919-362-6389
Hooks Jimmy H 919-362-6389

410 Gwyn Robert G & Patricia B 20 ♠
.....919-362-7897

411 Kerley Betty M 20 ♠ ..919-362-7178

412 Ⓦ Hovestadt Gina 919-362-8818
A - B No Current Listing (2 Apts)

419 Morgan Jeanette W 20 ♠
.....919-362-6338
Morgan Herbert S Jr ..919-362-6338

420 Rumley Steven A Sr 3 ♠
.....919-303-9739
Rumley Chastity C 919-303-9739
STB MORTGAGE SVC real estate
loans 919-362-9420

421 Morgan Thomas W & Deborah M 20
♠ 919-362-0272

425 Crane Wallace R & Paula W 20 ♠
.....919-362-7255

426 Cooke Roy M & Mildred W 20 ♠
.....919-362-6225

429 No Current Listing

+ S HUGHES ST INTERSECTS

BUSINESSES 1 HOUSEHOLDS 12

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Cooke Street 1998

COOKE ST (APEX)-FROM 622
SHORT ST WEST

· ZIP CODE 27502 CAR-RT C003
404 Arias Louie 365-6198
408 Hooks James H [illegible]+ ♠ 362-6389
Hooks Lois P 362-6389
410 Gwyn Robert G & Patricia [illegible]+
♠ 362-7897
411 Kerley Betty M [illegible]+ ♠ . 362-7178
412 Sibley Dean S
Sibley Rebecca S
B Lyon Carl V [illegible] 387-7162
B Lyon Tracy T 387-7162
412 B Not Verified
419 Morgan Jeannette W [illegible]+ ♠
..... 362-6338
Morgan Herbert S Jr . 362-6338
420 Bumgarner Timothy E & Susan
[illegible] ♠ 362-9420
421 Morgan Thomas W [illegible]+ ♠
..... 362-0272
Morgan Deborah M 362-0272
SONS OF CNFDERATE
VETERATIONS museums
art gallery 362-0272
424 Beller Eric 365-5427
425 Crane Wallace R & Paula [illegible] ♠
..... 362-7255
426 Cooke Roy M & Mildred [illegible]+ ♠
..... 362-6226
429 Passner Glenn H & Laura [illegible] ♠
..... 363-0326
+S HUGHES ST INTERSECTS
BUSINESSES 1 HOUSEHOLDS 14

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Cooke Street 1993

COOKE ST (APEX)–FROM S HUGHES ST EAST 1 SOUTH OF HERBERT ST

• ZIP CODE 27502

408 Hooks Lois P [9] + ● 362-6389
410 Gwyn Bob G & Inez S [9] + ● 362-7897
411 Kerley Jack H & Betty M [9] + ● 362-7178
412a Brown Leona E [3] 362-5850
412b★Lyon Carl & Tracy
419 Morgan Jeannette W [9] + ● 362-6338
420 Jones Nell D [8] ● 362-4674
421 Morgan Thos W & Deborah M [8] ● 362-0272
425 Crane W Reid & Paula [4] ● 362-7255
426 Cooke Roy M & Mildred W [9] + ● 362-6226
429 Lewis [2]

• SHORT ST BEGINS

11 HOUSEHOLDS

Target Street	Cross Street	Source
-	✓	Polk's City Directory

Cooke Street 1989

COOKE ST (APEX)–FROM S HUGHES ST EAST 1 SOUTH OF HERBERT ST

ZIP CODE 27502

408 Hooks Lois P Mrs ◎ 362-6389
410 Gwyn Bob G ◎ 362-7897
411 Kerley Jack H ◎ 362-7178
412a Vacant
412b★Felch Raymond F III 362-5485
419 Morgan Jeannette W Mrs ◎ 362-6338
420 Jones Nell D Mrs ◎ 362-4674
421 Morgan Thos W ◎ 362-0272
425★Crane W Reid ◎ 362-7255
426 Cooke Roy M ◎ 362-6226
429 Johnson Scale ◎ 362-6335
SHORT ST INTERSECTS

Target Street	Cross Street	Source
-	✓	Hill's City Directory

Cooke Street 1984

COOKE ST (APEX)—FROM S HUGHES ST EAST 1 SOUTH OF HERBERT ST

ZIP CODE 27502

408 Hooks Lois P Mrs ◎ 362-6389
410 Gwyn Robt G ◎ 362-7897
411 Kerley Jack H ◎ 362-7178
419 Morgan Jeannette W Mrs ◎ 362-6338
420★Jones Nell D ◎ 362-4674
421★Morgan Tommy ◎ 362-0272
425 Posey Carl J ◎ 362-6367
426 Cooke Roy M ◎ 362-6226
429 Johnson Scale ◎ 362-6335
SHORT INTERSECTS

Target Street	Cross Street	Source
-	✓	Hill's City Directory

Cooke Street 1979

COOKE ST (APEX)—FROM S HUGHES ST EAST 1 SOUTH OF HERBERT ST

ZIP CODE 27502

408 Hooks James B ◎ 362-6389
410 Gwyn Robt ◎ 362-7897
417 Kerley Jack H ◎ 362-7178
419 Morgan Jeannette W Mrs ◎ 362-6338
420 Mason R Dillard ◎ 362-6347
425 Posey Carl J ◎ 362-6367
426 Cooke Roy M ◎ 362-6226
429 Johnson Scale ◎ 362-6335
SHORT INTERSECTS

Target Street	Cross Street	Source
-	✓	Hill's City Directory

Cooke Street 1974

624

COOKE ST (APEX)—FROM S HUGHES ST EAST 1 SOUTH OF HERBERT ST

ZIP CODE 27502

408 Hooks James B ◎ 362-6389
417 Kerley Jack H ◎ 362-7178
418 Stiles Eddie P ◎ 362-7374
419 Morgan Jeannette W Mrs ◎ 362-6338
420 Mason R Dillard ◎ 362-6347
425 Posey Carl J ◎ 362-6367
426 Cooke Roy ◎ 362-6226
429 Johnson Scale ◎ 362-6335
SHORT INTERSECTS

Target Street	Cross Street	Source
-	✓	Hill's City Directory

Cooke Street 1969

3

COOKE ST (APEX)-FROM S HUGHES ST
EAST, 1 SOUTH OF HERBERT ST

---ZIP CODE 27502
416 KERLEY JACK H • 354-3931
---HUGHES INTERSECTS
417 HOOKS JAS B • 354-6389
418 STILES EDDIE P • 354-7374
419 MORGAN HERBERT S • 354-6338
420 MASON R DILLARD • 354-6347
425 POSEY CARL J • 354-6367
426 NO RETURN
427 JOHNSON SCALE • 354-6335
---SHORT INTERSECTS

Target Street	Cross Street	Source
-	✓	Hill's City Directory

Cooke Street 1967

COOKE ST (A)--CONTD

KERLEY JACK H • 354-3931
---HUGHES INTERSECTS
HOOKS JAS B • 354-6389
STILES EDDIE P • 354-7374
419 MORGAN HERBERT S • 354-6338
420 MASON R DILLARD • 354-6347
425 POSEY CARL J • 354-6367
426 COOKE ROY M • 354-6226
427 JOHNSON SCALE • 354-6335
VACANT
---SHORT INTERSECTS

APPENDIX G

ENVIRONMENTAL LIEN AND AUL SEARCH REPORT

Apex Village
500-610 E WILLIAMS ST
Apex, NC 27502

Inquiry Number: 3495620.6
January 17, 2013

EDR Environmental Lien and AUL Search

Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
800.352.0050
www.edrnet.com

EDR Environmental Lien and AUL Search

The EDR Environmental Lien and AUL Search Report provides results from a search of available current land title records for environmental cleanup liens and other activity and use limitations, such as engineering controls and institutional controls.

A network of professional, trained researchers, following established procedures, uses client supplied address information to:

- search for parcel information and/or legal description;
- search for ownership information;
- research official land title documents recorded at jurisdictional agencies such as recorders' offices, registries of deeds, county clerks' offices, etc.;
- access a copy of the deed;
- search for environmental encumbering instrument(s) associated with the deed;
- provide a copy of any environmental encumbrance(s) based upon a review of key words in the instrument(s) (title, parties involved, and description); and
- provide a copy of the deed or cite documents reviewed.

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

Disclaimer - Copyright and Trademark Notice

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EDR Environmental Lien and AUL Search

TARGET PROPERTY INFORMATION

ADDRESS

500-610 E WILLIAMS ST
Apex Village
Apex, NC 27502

RESEARCH SOURCE

Source 1:

Wake County Register of Deeds
Wake, NC

PROPERTY INFORMATION

Deed 1:

Type of Deed:	Deed
Title is vested in:	CASL2 Development LLC
Title received from:	See Exhibit
Deed Dated	9/29/1999
Deed Recorded:	9/30/1999
Book:	NA
Page:	NA
Volume:	NA
Instrument:	NA
Docket:	NA
Land Record Comments:	See Exhibit
Miscellaneous Comments:	NA
Legal Description:	See Exhibit
Legal Current Owner:	CASL2 Development LLC
Parcel # / Property Identifier:	0741582328
Comments:	See Exhibit

ENVIRONMENTAL LIEN

Environmental Lien: Found Not Found

OTHER ACTIVITY AND USE LIMITATIONS (AULs)

AULs: Found Not Found

Deed Exhibit 1

Wake County,NC 646
Laura M Riddick, Register Of Deeds
Presented & Recorded 09/30/1999 13:10:17
State Of NC Real Estate Excise Tax : $4800
Book : 008426 Page : 02489 - 02493

Excise Tax $4,800.00

Recording Time, Book and Page

Tax Lot No. ..... Parcel Identifier No. 0002103

Verified by ..... County on the ..... day of ....., 19 .....

by .....

Mail after recording to Hold For: W. Hugh Thompson (Box 105)

This instrument was prepared by W. Hugh Thompson

Brief description for the Index acres, White Oak Twp.

NORTH CAROLINA GENERAL WARRANTY DEED

THIS DEED made this 29th day of September, 19 99, by and between

GRANTOR	GRANTEE
William B. Nivison and wife, Mildred L. Nivison; and William B. Nivison, Mildred L. Nivison, and Arthur E. Nivison, family trustees, and Sam Stone, independent special trustee, of the Nivison Charitable Remainder Unitrust under document dated December 23, 1997	CASL2 DEVELOPMENT,L.L.C., a North Carolina Limited Liability Company P. O. Box 388 Garner, NC 27529

Enter in appropriate block for each party: name, address, and, if appropriate, character of entity, e.q. corporation or partnership.

The designation Grantor and Grantee as used herein shall include said parties, their heirs, successors, and assigns, and shall include singular, plural, masculine, feminine or neuter as required by context.

WITNESSETH, that the Grantor, for a valuable consideration paid by the Grantee, the receipt of which is hereby acknowledged, has and by these presents does grant, bargain, sell and convey unto the Grantee in fee simple, all that certain lot or parcel of land situated in the City of Apex, White Oak Township, Wake County, North Carolina and more particularly described as follows:

See Exhibit A hereto attached and incorporated herein by reference.

By this deed, William B. Nivison and wife, Mildred L. Nivison, convey a one-fifth (1/5th) undivided interest in the herein described real property; and the Trustees of the Nivison Charitable Remainder Unitrust convey a four-fifths (4/5ths) undivided interest in the herein described real property.

William B. Nivison and wife, Mildred L. Nivison, further execute this deed as a deed of correction for the deed dated December 31, 1997 and recorded in Book 7830, Page 335, Wake County Registry, to correct the absence of a date on the acknowledgment by the Notary Public in said deed recorded in Book 7830, Page 335, Wake County Registry.

The property hereinabove described was acquired by Grantor by instrument recorded in Book 2303, Page 327; Book 2622, Page 389; Book 2734, Page 440; Book 7830, Page 335

A map showing the above described property is recorded in Plat Book ..... page .....

TO HAVE AND TO HOLD the aforesaid lot or parcel of land and all privileges and appurtenances thereto belonging to the Grantee in fee simple.

And the Grantor covenants with the Grantee, that Grantor is seized of the premises in fee simple, has the right to convey the same in fee simple, that title is marketable and free and clear of all encumbrances, and that Grantor will warrant and defend the title against the lawful claims of all persons whomsoever except for the exceptions hereinafter stated. Title to the property hereinabove described is subject to the following exceptions:

1999 ad valorem tax.
Easements and restrictions of record.
Tenants in possession under recorded or unrecorded leases.
Matters shown on that certain plat of survey entitled "Existing Conditions Survey: For Apex Village Business Complex Owner: CASL II, LLC," dated September 8, 1999, by Krause Surveying Associates.

IN WITNESS WHEREOF, the Grantor has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, the day and year first above written.

USE BLACK INK ONLY

..... (Corporate Name)

By: .....

.....President

ATTEST:

.....

.....Secretary (Corporate Seal)

..... (Corporate Name)

By: .....

.....President

ATTEST:

.....

.....Secretary (Corporate Seal)

USE BLACK INK ONLY

William B. Nivison .....(SEAL)
William B. Nivison

Mildred L. Nivison .....(SEAL)
Mildred L. Nivison

William B. Nivison .....(SEAL)
William B. Nivison, family trustee **

Mildred L. Nivison .....(SEAL)
Mildred L. Nivison, family trustee **

Arthur E. Nivison .....(SEAL)
Arthur E. Nivison, family trustee **

Sam Stone .....(SEAL)
Sam Stone, independent special trustee **

.....(SEAL)

** of the Nivison Charitable Remainder Unitrust under document dated December 23, 1997 .....(SEAL)

SEAL - STAMP

RUTH M. BABCOCK NOTARY *** PUBLIC FRANKLIN COUNTY, N.C.

Use Black Ink

NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that William B. Nivison and Mildred L. NIvison Grantor

personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 29 day of Sept, 19 99.

My commission expires: 10-25-2003 Ruth M. Babcock Notary Public

SEAL - STAMP

RUTH M. BABCOCK NOTARY *** PUBLIC FRANKLIN COUNTY, N.C.

Use Black Ink

NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that William B. Nivison and Mildred L. Nivison, family trustees of the Nivison Charitable Remainder Unitrust under document dated December 23, 1997 Grantor,

personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 29 day of Sept, 19 99.

My commission expires: 10-25-2003 Ruth M. Babcock Notary Public

SEAL - STAMP

RUTH M. BABCOCK NOTARY *** PUBLIC FRANKLIN COUNTY, N.C.

Use Black Ink

NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that Arthur E. Nivison, family trustee of the Nivison Charitable Remainder Unitrust under document dated December 23, 1997 Grantor,

personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 29 day of Sept, 19 99.

My commission expires: 10-25-2003 Ruth M. Babcock Notary Public

SEAL - STAMP

NOTARY PUBLIC WAKE C

Use Black Ink

NORTH CAROLINA, Wake County.

I, a Notary Public of the County and State aforesaid, certify that Sam Stone, independent special trustee of the Nivison Charitable Remainder Unitrust under document dated December 23, 1997 Grantor,

personally appeared before me this day and acknowledged the execution of the foregoing instrument. Witness my hand and official stamp or seal, this 30 day of September, 19 99.

My commission expires: 7-18-2003 Anita B. Taylor Notary Public

SEAL - STAMP

Use Black Ink

NORTH CAROLINA, _____ County.

I, a Notary Public of the County and State aforesaid, certify that _____,

personally came before me this day and acknowledged that ____ he is _____ Secretary of

_____ a North Carolina corporation, and that by authority duly

given and as the act of the corporation, the foregoing instrument was signed in its name by its _____

President, sealed with its corporate seal and attested by _____ as its _____ Secretary.

Witness my hand and official stamp or seal, this _____ day of _____, 19_____.

My commission expires: _____ _____ Notary Public

SEAL - STAMP

Use Black Ink

NORTH CAROLINA, _____ County.

I, a Notary Public of the County and State aforesaid, certify that _____ _____,

personally came before me this day and acknowledged that ____ he is _____ Secretary of

_____ a North Carolina corporation, and that by authority duly

given and as the act of the corporation, the foregoing instrument was signed in its name by its _____

President, sealed with its corporate seal and attested by _____ as its _____ Secretary.

Witness my hand and official stamp or seal, this _____ day of _____, 19_____.

My commission expires: _____ _____ Notary Public

The foregoing Certificate(s) of _____

_____

_____

is/are certified to be correct. This instrument and this certificate are duly registered at the date and time and in the Book and Page shown on the first page hereof.

_____ REGISTER OF DEEDS FOR _____ COUNTY

By _____ Deputy/Assistant-Register of Deeds.

Exhibit A

Situate in White Oak Township, Wake County, North Carolina, and more particularly described as follows:

BEGINNING at an iron pipe at the intersection of the northern right of way of James Street and the southeastern right of way of Short Street and runs then with said southeastern right of way of Short Street North 34 degrees 42 minutes 04 seconds East 407.30 feet to an iron pipe, being the southeastern corner of now or formerly Julian G. Depoy; runs then with said Depoy southeastern line North 34 degrees 34 minutes 54 seconds East 100.15 feet to an iron pipe tack and continuing with said Depoy southeastern line North 34 degrees 51 minutes 52 seconds East 30.09 feet to an iron pipe, being the northeastern corner of Depoy and the southeastern corner of now or formerly Jeffrey V. Roscoe and Sandra R. Roscoe; runs then with said Roscoe southeastern line North 34 degrees 38 minutes 42 seconds East 153.66 feet to an iron pipe in the southwestern right of way of N. C. Highway 55 (East Williams Street); runs then with said southwestern line of N. C. Highway 55 the following: South 53 degrees 38 minutes 06 seconds East 104.36 feet to a nail; South 50 degrees 57 minutes 13 seconds East 140.92 feet to a nail; South 48 degrees 20 minutes 03 seconds East 118.22 feet to a nail; and South 45 degrees 57 minutes 21 seconds East 86.77 feet to an iron pipe in the northern corner of now or formerly Julian G. Depoy; runs then with the western line of Depoy South 20 degrees 30 minutes 24 seconds West 138.51 feet to an iron pipe, being a corner of said Depoy and a northern corner of the Triplett Shop Tract; runs then with the western line of said Triplett Shop Tract South 20 degrees 14 minutes 16 seconds West 188.00 feet to an iron pipe in the northern right of way of said James Street; and runs then with said northern right of way line of said James Street the following: North 86 degrees 41 minutes 26 seconds West 407.61 feet to a nail and North 89 degrees 00 minute 48 seconds West 216.98 feet to the point and place of BEGINNING; containing 5.80 acres, more or less; and being all of the property described in deeds recorded in Book 2303, Page 327, Book 2622, Page 389, Book 2734, Page 440, and Book 7830, Page 335, Wake County Registry; and being shown on survey entitled "Existing Conditions Survey: For Apex Village Business Complex Owner: CASL II, LLC," dated September 8, 1999 by Krause Surveying Associates.

Laura M Riddick
Register of Deeds
Wake County, NC

Book : 008426 Page : 02489 - 02493

Wake County Register of Deeds
Laura M. Riddick
Register of Deeds

North Carolina - Wake County

The foregoing certificate S of Ruth M Babcock
Anita B Taylor

_____ Notary(ies) Public is (are) certified to be correct. This instrument and this certificate are duly registered at the date and time and in the book and page shown on the first page hereof.

Laura M. Riddick, Register of Deeds

By: Sarah K Callen
~~Assistant~~/Deputy Register of Deeds

This Customer Group
_____ # of Time Stamps Needed

This Document
_____ New Time Stamp
5 # of Pages

APPENDIX H

THE EDR RADIUS MAP

Apex Village
500-610 E WILLIAMS ST
Apex, NC 27502

Inquiry Number: 3495620.2s
January 16, 2013

The EDR Radius Map™ Report with GeoCheck®

EDR® Environmental Data Resources Inc

440 Wheelers Farms Road
Milford, CT 06461
Toll Free: 800.352.0050
www.edrnet.com

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GEOCHECK ADDENDUM

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

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EXECUTIVE SUMMARY

A search of available environmental records was conducted by Environmental Data Resources, Inc (EDR). The report 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

500-610 E WILLIAMS ST
APEX, NC 27502

COORDINATES

Latitude (North):	35.7238000 - 35˚ 43' 25.68''
Longitude (West):	78.8478000 - 78˚ 50' 52.08''
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	694666.1
UTM Y (Meters):	3955250.2
Elevation:	466 ft. above sea level

USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map:	35078-F7 APEX, NC
Most Recent Revision:	1993

AERIAL PHOTOGRAPHY IN THIS REPORT

Portions of Photo from:	2009, 2010
Source:	USDA

TARGET PROPERTY SEARCH RESULTS

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

Site	Database(s)	EPA ID
NIVISON PROPERTY (APEX HARDWARE 500-600 E WILLIAMS ST APEX, NC 27539	IMD LUST Incident Phase: Closed Out	N/A
W.B. NIVISON PROPERTY 500 BLOCK OF EAST WILLIAMS STREET APEX, NC	LUST TRUST	N/A

EXECUTIVE SUMMARY

DATABASES WITH NO MAPPED SITES

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

STANDARD ENVIRONMENTAL RECORDS

Federal NPL site list

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

Federal Delisted NPL site list

Delisted NPL ..... National Priority List Deletions

Federal CERCLIS list

CERCLIS ..... Comprehensive Environmental Response, Compensation, and Liability Information System
FEDERAL FACILITY ..... Federal Facility Site Information listing

Federal CERCLIS NFRAP site List

CERC-NFRAP ..... CERCLIS No Further Remedial Action Planned

Federal RCRA non-CORRACTS TSD facilities list

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

Federal RCRA generators list

RCRA-LQG ..... RCRA - Large Quantity Generators
RCRA-SQG ..... RCRA - Small Quantity Generators
RCRA-CESQG ..... RCRA - Conditionally Exempt Small Quantity Generator

Federal institutional controls / engineering controls registries

US ENG CONTROLS ..... Engineering Controls Sites List
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

SHWS ..... Inactive Hazardous Sites Inventory

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

SWF/LF ..... List of Solid Waste Facilities

EXECUTIVE SUMMARY

OLI ..... Old Landfill Inventory

State and tribal leaking storage tank lists

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

State and tribal registered storage tank lists

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

State and tribal institutional control / engineering control registries

INST CONTROL ..... No Further Action Sites With Land Use Restrictions Monitoring

State and tribal voluntary cleanup sites

VCP ..... Responsible Party Voluntary Action Sites
INDIAN VCP ..... Voluntary Cleanup Priority Listing

State and tribal Brownfields sites

BROWNFIELDS ..... Brownfields Projects Inventory

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
HIST LF ..... Solid Waste Facility Listing
SWRCY ..... Recycling Center Listing
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

EXECUTIVE SUMMARY

DOD	Department of Defense Sites
FUDS	Formerly Used Defense Sites
CONSENT	Superfund (CERCLA) Consent Decrees
ROD	Records Of Decision
UMTRA	Uranium Mill Tailings Sites
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
FINDS	Facility Index System/Facility Registry System
RAATS	RCRA Administrative Action Tracking System
RMP	Risk Management Plans
UIC	Underground Injection Wells Listing
DRYCLEANERS	Drycleaning Sites
NPDES	NPDES Facility Location Listing
INDIAN RESERV	Indian Reservations
SCRD DRYCLEANERS	State Coalition for Remediation of Drycleaners Listing
2020 COR ACTION	2020 Corrective Action Program List
Financial Assurance	Financial Assurance Information Listing
COAL ASH EPA	Coal Combustion Residues Surface Impoundments List
COAL ASH DOE	Steam-Electric Plant Operation Data
COAL ASH	Coal Ash Disposal Sites
PCB TRANSFORMER	PCB Transformer Registration Database
US FIN ASSUR	Financial Assurance Information
EPA WATCH LIST	EPA WATCH LIST
PRP	Potentially Responsible Parties
US AIRS	Aerometric Information Retrieval System Facility Subsystem

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP	EDR Proprietary Manufactured Gas Plants

SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were identified in the following databases.

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

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

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

EXECUTIVE SUMMARY

STANDARD ENVIRONMENTAL RECORDS

Federal RCRA 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 08/19/2011 has revealed that there are 2 CORRACTS sites within approximately 1 mile of the target property.

Lower Elevation	Address	Direction / Distance	Map ID	Page
EQ APEX FACILITY FIRE	***1005 INVESTMENT BLVD***	***E 1/2 - 1 (0.591 mi.)***	***28***	***75***
COOPER INDS INC LUFKIN DIV	***LUFKIN RD***	***ESE 1/2 - 1 (0.843 mi.)***	***29***	***155***

State- and tribal - equivalent NPL

NC HSDS: The Hazardous Substance Disposal Sites list contains locations of uncontrolled and unregulated hazardous waste sites. The file contains sites on the national priority list as well as the state priority list. The data source is the North Carolina Center for Geographic Information and Analysis.

A review of the NC HSDS list, as provided by EDR, and dated 08/09/2011 has revealed that there are 2 NC HSDS sites within approximately 1 mile of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
COOPER INDUS INC;LUFKIN DIV		SE 1/2 - 1 (0.711 mi.)	0	10
APEX SANITARY LDFL		WNW 1/2 - 1 (0.885 mi.)	0	10

State and tribal leaking storage tank lists

LUST: The Leaking Underground Storage Tank Incidents Management Database contains an inventory of reported leaking underground storage tank incidents. The data come from the Department of Environment, & Natural Resources' Incidents by Address.

A review of the LUST list, as provided by EDR, and dated 11/09/2012 has revealed that there are 18 LUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALKER PROPERTY (JAMES)	***414 EAST WILLIAMS STREE***	***NW 0 - 1/8 (0.112 mi.)***	***6***	***15***
YATES PROPERTY (SUE)	***312 SOUTH TUNSTALL STRE***	***NE 0 - 1/8 (0.115 mi.)***	***B8***	***18***
Incident Phase: Closed Out				
WALTERS RESIDENCE (DIANNE)	***303 S TUNSTALL AVE***	***NE 0 - 1/8 (0.121 mi.)***	***B9***	***20***
Incident Phase: Closed Out				
SKY MART GAS STATION	314 EAST WILLIAMS STREE	NW 1/8 - 1/4 (0.209 mi.)	C10	23
PANTRY 3797 DBA KANGAROO	***302 EAST WILLIAMS STREE***	***NW 1/8 - 1/4 (0.221 mi.)***	***C12***	***28***
RIBEIRIO RESIDENCE (KEN)	***307 E MOORE ST***	***NNW 1/8 - 1/4 (0.245 mi.)***	***13***	***32***
Incident Phase: Closed Out				
WORLEY RESIDENCE	910 JAMES STREET	E 1/4 - 1/2 (0.261 mi.)	14	35
Incident Phase: Closed Out				

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
RIGGSBEE PROPERTY (MILDRED) Incident Phase: Closed Out	*832 S HUGHES STREET*	*SSW 1/4 - 1/2 (0.307 mi.)*	*15*	*36*
APEX UNITED METHODIST CHURCH Incident Phase: Closed Out	*100 S HUGHES ST*	*NNW 1/4 - 1/2 (0.324 mi.)*	*16*	*40*
TAYLOR PROPERTY (FORMER)	*610 TINGEN RD*	*W 1/4 - 1/2 (0.376 mi.)*	*D17*	*43*
RIGGSBEE RESIDENCE (MILDRED) Incident Phase: Closed Out	*900 S HUGHES STREET*	*S 1/4 - 1/2 (0.389 mi.)*	*18*	*46*
PINE STATE CREAMERY COMPANY Incident Phase: Closed Out	*SCHIEFFELIN ROAD*	*ENE 1/4 - 1/2 (0.390 mi.)*	*20*	*50*
APEX FOOD MART Incident Phase: Response	*321 SOUTH SALEM STREET*	*NW 1/4 - 1/2 (0.393 mi.)*	*E21*	*53*
APEX ELEMENTARY SCHOOL	*700 TINGEN ROAD*	*WSW 1/4 - 1/2 (0.394 mi.)*	*22*	*58*
HOLT AND SONS CITGO STATION Incident Phase: Closed Out	*320 S SALEM ST*	*NW 1/4 - 1/2 (0.395 mi.)*	*E23*	*61*
KOCH MATERIALS Incident Phase: Closed Out	*99 SCHIEFFELIN RD*	*ENE 1/4 - 1/2 (0.430 mi.)*	*24*	*64*
TASTEE FREEZ WAREHOUSE Incident Phase: Closed Out	*1009 SCHIEFFELIN RD*	*ENE 1/4 - 1/2 (0.484 mi.)*	*F27*	*72*

Lower Elevation	Address	Direction / Distance	Map ID	Page
APEX PROFESSIONAL PARK, LLC Incident Phase: Closed Out	*1264 E WILLIAMS ST*	*SE 1/4 - 1/2 (0.433 mi.)*	*25*	*67*

LUST TRUST: This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

A review of the LUST TRUST list, as provided by EDR, and dated 10/12/2012 has revealed that there are 8 LUST TRUST sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WALKER PROPERTY (JAMES)	*414 EAST WILLIAMS STREE*	*NW 0 - 1/8 (0.112 mi.)*	*6*	*15*
YATES PROPERTY (SUE)	*312 SOUTH TUNSTALL STRE*	*NE 0 - 1/8 (0.115 mi.)*	*B8*	*18*
WALTERS RESIDENCE (DIANNE)	*303 S TUNSTALL AVE*	*NE 0 - 1/8 (0.121 mi.)*	*B9*	*20*
RIGGSBEE PROPERTY (MILDRED)	*832 S HUGHES STREET*	*SSW 1/4 - 1/2 (0.307 mi.)*	*15*	*36*
TAYLOR PROPERTY (FORMER)	*610 TINGEN RD*	*W 1/4 - 1/2 (0.376 mi.)*	*D17*	*43*
RIGGSBEE RESIDENCE (MILDRED)	*900 S HUGHES STREET*	*S 1/4 - 1/2 (0.389 mi.)*	*18*	*46*
APEX FOOD MART	*321 SOUTH SALEM STREET*	*NW 1/4 - 1/2 (0.393 mi.)*	*E21*	*53*
HOLT AND SONS CITGO STATION	*320 S SALEM ST*	*NW 1/4 - 1/2 (0.395 mi.)*	*E23*	*61*

LAST: A listing of leaking aboveground storage tank site locations.

A review of the LAST list, as provided by EDR, and dated 11/09/2012 has revealed that there is 1 LAST site within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
WHITE OIL SPILL(APEX)	*US HIGHWAY 1*	*ENE 1/4 - 1/2 (0.480 mi.)*	*F26*	*70*

State and tribal registered storage tank lists

UST: The Underground Storage Tank database contains registered USTs. USTs are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA). The data come from the Department of Environment & Natural Resources' Petroleum Underground Storage Tank Database.

A review of the UST list, as provided by EDR, and dated 11/09/2012 has revealed that there are 5 UST sites within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
APEX HDWARE/SOUTHERN TIRE STOR	550 - 600 E WILLIAMS ST	0 - 1/8 (0.000 mi.)	A3	10
MARTIN CLEANERS	***540 E WILLIAMS ST***	***NNE 0 - 1/8 (0.006 mi.)***	***4***	***12***
PANTRY 457 DBA KANGAROO EXPRES	***705 E WILLIAMS STREET***	***E 0 - 1/8 (0.039 mi.)***	***5***	***13***
EXPRESS MART	312 E WILLIAMS STREET	NW 1/8 - 1/4 (0.211 mi.)	C11	26
PANTRY 3797 DBA KANGAROO	***302 EAST WILLIAMS STREE***	***NW 1/8 - 1/4 (0.221 mi.)***	***C12***	***28***

ADDITIONAL ENVIRONMENTAL RECORDS

Other Ascertainable Records

RCRA NonGen / NLR: RCRAInfo is EPA's comprehensive information system, providing access to data supporting the Resource Conservation and Recovery Act (RCRA) of 1976 and the Hazardous and Solid Waste Amendments (HSWA) of 1984. The database includes selective information on sites which generate, transport, store, treat and/or dispose of hazardous waste as defined by the Resource Conservation and Recovery Act (RCRA). Non-Generators do not presently generate hazardous waste.

A review of the RCRA NonGen / NLR list, as provided by EDR, and dated 09/11/2012 has revealed that there is 1 RCRA NonGen / NLR site within approximately 0.25 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
MARTIN CLEANERS	***540 E WILLIAMS ST***	***NNE 0 - 1/8 (0.006 mi.)***	***4***	***12***

IMD: Incident Management Database.

A review of the IMD list, as provided by EDR, and dated 07/21/2006 has revealed that there are 15 IMD sites within approximately 0.5 miles of the target property.

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
YATES PROPERTY (SUE)	312 SOUTH TUNSTALL STRE	NE 0 - 1/8 (0.115 mi.)	B7	17
WALTERS RESIDENCE (DIANNE)	***303 S TUNSTALL AVE***	***NE 0 - 1/8 (0.121 mi.)***	***B9***	***20***
RIBEIRIO RESIDENCE (KEN)	***307 E MOORE ST***	***NNW 1/8 - 1/4 (0.245 mi.)***	***13***	***32***
RIGGSBEE PROPERTY (MILDRED)	***832 S HUGHES STREET***	***SSW 1/4 - 1/2 (0.307 mi.)***	***15***	***36***
APEX UNITED METHODIST CHURCH	***100 S HUGHES ST***	***NNW 1/4 - 1/2 (0.324 mi.)***	***16***	***40***
TAYLOR PROPERTY (FORMER)	***610 TINGEN RD***	***W 1/4 - 1/2 (0.376 mi.)***	***D17***	***43***
RIGGSBEE RESIDENCE (MILDRED)	***900 S HUGHES STREET***	***S 1/4 - 1/2 (0.389 mi.)***	***18***	***46***
TAYLOR PROPERTY(CLARA)	SOUTH SALEM & TINGEN RO	W 1/4 - 1/2 (0.389 mi.)	D19	49
PINE STATE CREAMERY COMPANY	***SCHIEFFELIN ROAD***	***ENE 1/4 - 1/2 (0.390 mi.)***	***20***	***50***
APEX FOOD MART	***321 SOUTH SALEM STREET***	***NW 1/4 - 1/2 (0.393 mi.)***	***E21***	***53***
HOLT AND SONS CITGO STATION	***320 S SALEM ST***	***NW 1/4 - 1/2 (0.395 mi.)***	***E23***	***61***
KOCH MATERIALS	***99 SCHIEFFELIN RD***	***ENE 1/4 - 1/2 (0.430 mi.)***	***24***	***64***
WHITE OIL SPILL(APEX)	***US HIGHWAY 1***	***ENE 1/4 - 1/2 (0.480 mi.)***	***F26***	***70***

EXECUTIVE SUMMARY

Equal/Higher Elevation	Address	Direction / Distance	Map ID	Page
TASTEE FREEZ WAREHOUSE	*1009 SCHIEFFELIN RD*	*ENE 1/4 - 1/2 (0.484 mi.)*	*F27*	*72*

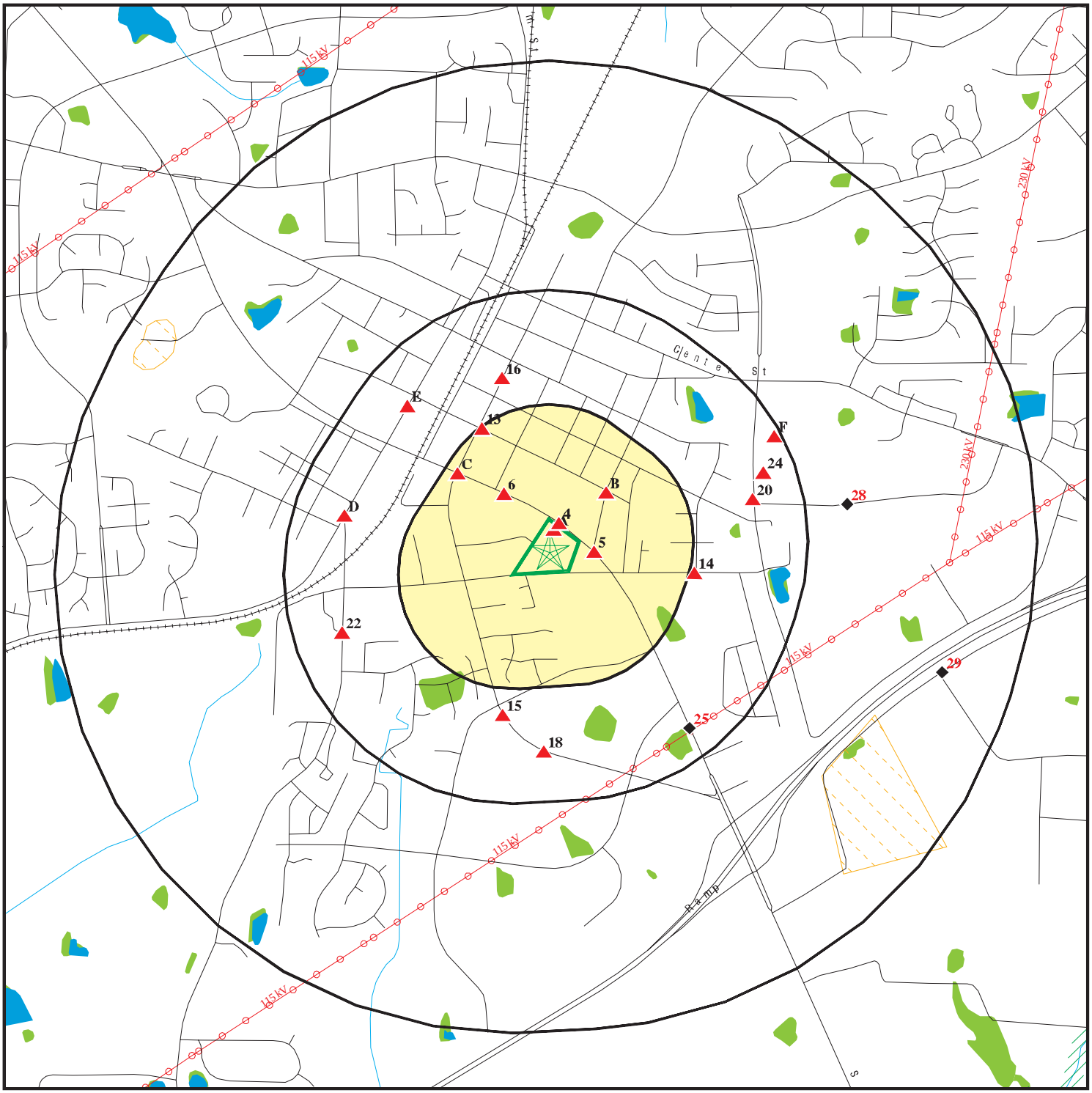
Lower Elevation	Address	Direction / Distance	Map ID	Page
APEX PROFESSIONAL PARK, LLC	*1264 E WILLIAMS ST*	*SE 1/4 - 1/2 (0.433 mi.)*	*25*	*67*

EXECUTIVE SUMMARY

Due to poor or inadequate address information, the following sites were not mapped. Count: 41 records.

Site Name	Database(s)
TRUGREEN LANDCARE	IMD, LAST
RANSIER DRILLING SPILL	IMD, LAST
CASTLEBURY, JC PROPERTY	IMD, LAST
THOMAS CONCRETE CO	LAST
SORRELLS	SWF/LF, Financial Assurance
WAKE COUNTY SOUTH WAKE MSWLF	SWF/LF, Financial Assurance
AMERICAN CONTRACT COATINGS	SHWS
MANGUM,MARY RESI./PRINCES GRO	SHWS, IMD
PIERCE (LYNN) PROPERTY	CERC-NFRAP
APEX SANITARY LDFL	CERC-NFRAP
SOUTH WAKE TRANSFER STATION	SWF/LF
SOUTH WAKE CO FELTONSVILLE HHW FAC	SWF/LF
CROWN STORE NC-045	IMD, LUST
PARKS & RECREATION/JORDAN LAKE	IMD, LUST
NC DOT- APEX ROW	LUST
APEX EXXON	LUST TRUST
KELLY PROPERTY	LUST TRUST
64 WEST CONVENIENT	UST
DONNA C. PEGGS	UST
SOUTHERN EQUIPMENT CO INC	UST
KENAN TRANSPORT CO INC	UST
JORDAN LAKE MARINA	UST
GRAYSON JENKINS GORCERY	UST
CLARK PAVEMENT MARKING INC	RCRA NonGen / NLR, FINDS
RYDER TRUCK RENTAL INC	RCRA-CESQG, FINDS
CVS PHARMACY #2306	RCRA-CESQG
S T WOOTEN CORPORATION/APEX PLAN	FINDS
APEX CABINET COMPANY	FINDS
TOWN OF APEX	FINDS
APEX NURSERIES. INCORPORATED	FINDS
TOWN OF APEX	FINDS
LAURA VILLAGE AMOCO FOOD SHOP	FINDS
TOWN OF APEX	FINDS
APEX LUMBER CO.	FINDS
APEX CABINET	FINDS
APEX WTP	FINDS
APEX FUNERAL HOME	FINDS
APEX COMMUNITY CENTER	IMD
TUNSTALL 76	IMD
APEX SANITARY LF	OLI
APEX WATER RECLAMATION FACILITY	NPDES

OVERVIEW MAP - 3495620.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

National Priority List Sites

Dept. Defense Sites

0 1/4 1/2 1 Miles

Indian Reservations BIA

Power transmission lines

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Hazardous Substance Disposal Sites

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: Apex Village	CLIENT: Mill Creek Environmental Svc.
ADDRESS: 500-610 E WILLIAMS ST Apex NC 27502	CONTACT: Dan Centofanti INQUIRY #: 3495620.2s
LAT/LONG: 35.7238 / 78.8478	DATE: January 16, 2013 9:18 am

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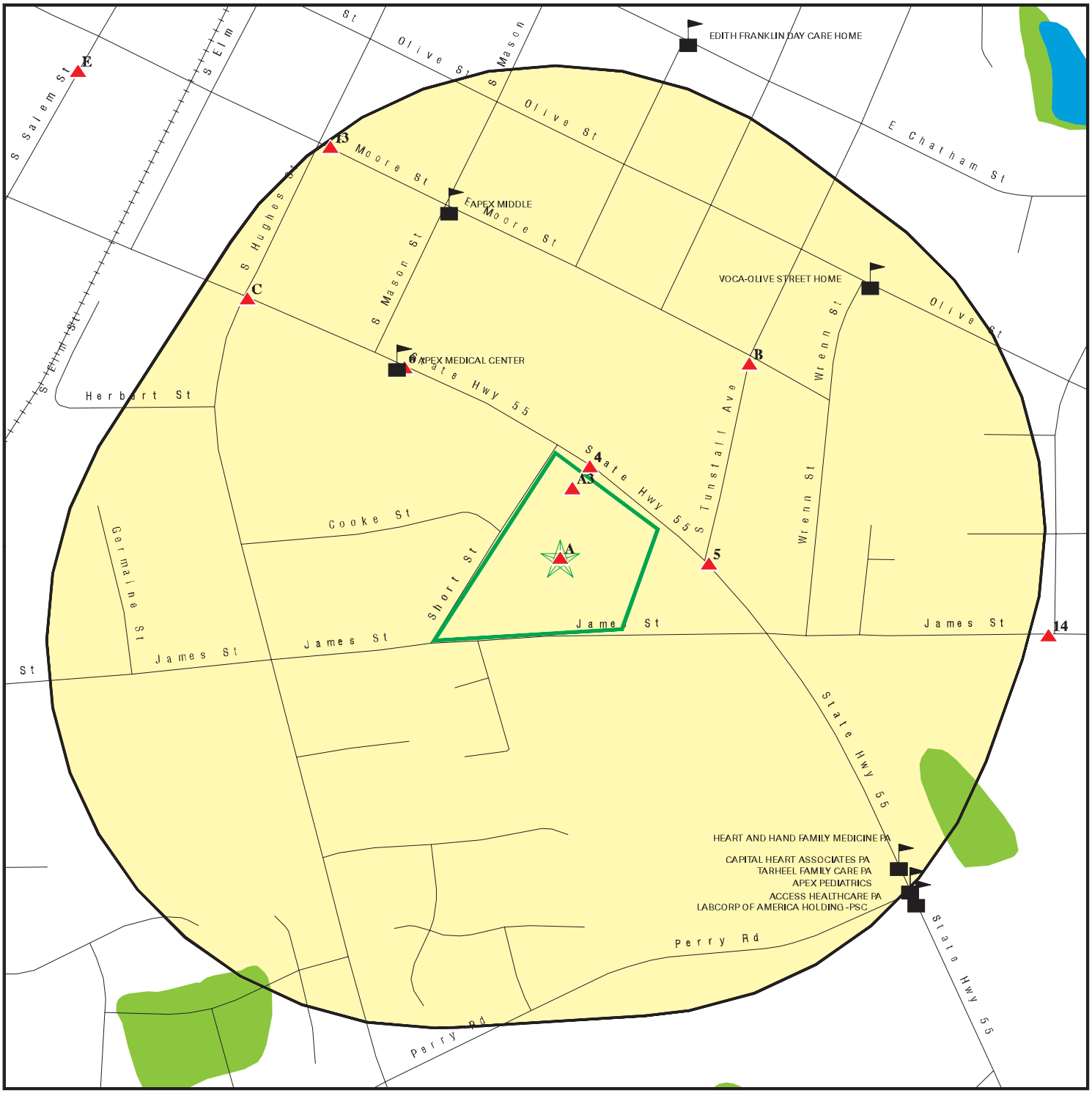
DETAIL MAP - 3495620.2s



Target Property

Sites at elevations higher than or equal to the target property

Sites at elevations lower than the target property

Manufactured Gas Plants

Sensitive Receptors

National Priority List Sites

Dept. Defense Sites

0 1/16 1/8 1/4 Miles

Indian Reservations BIA

Oil & Gas pipelines from USGS

100-year flood zone

500-year flood zone

National Wetland Inventory

State Wetlands

Hazardous Substance Disposal Sites

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: Apex Village	CLIENT: Mill Creek Environmental Svc.
ADDRESS: 500-610 E WILLIAMS ST Apex NC 27502	CONTACT: Dan Centofanti
LAT/LONG: 35.7238 / 78.8478	INQUIRY #: 3495620.2s
	DATE: January 16, 2013 9:19 am

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MAP FINDINGS SUMMARY

Database	Search Distance (Miles)	Target Property	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
STANDARD ENVIRONMENTAL RECORDS								
Federal NPL site list								
NPL	1.000		0	0	0	0	NR	0
Proposed NPL	1.000		0	0	0	0	NR	0
NPL LIENS	TP		NR	NR	NR	NR	NR	0
Federal Delisted NPL site list								
Delisted NPL	1.000		0	0	0	0	NR	0
Federal CERCLIS list								
CERCLIS	0.500		0	0	0	NR	NR	0
FEDERAL FACILITY	0.500		0	0	0	NR	NR	0
Federal CERCLIS NFRAP site List								
CERC-NFRAP	0.500		0	0	0	NR	NR	0
Federal RCRA CORRACTS facilities list								
CORRACTS	1.000		0	0	0	2	NR	2
Federal RCRA non-CORRACTS TSD facilities list								
RCRA-TSDF	0.500		0	0	0	NR	NR	0
Federal RCRA generators list								
RCRA-LQG	0.250		0	0	NR	NR	NR	0
RCRA-SQG	0.250		0	0	NR	NR	NR	0
RCRA-CESQG	0.250		0	0	NR	NR	NR	0
Federal institutional controls / engineering controls registries								
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
Federal ERNS list								
ERNS	TP		NR	NR	NR	NR	NR	0
State- and tribal - equivalent NPL								
NC HSDS	1.000		0	0	0	2	NR	2
State- and tribal - equivalent CERCLIS								
SHWS	1.000		0	0	0	0	NR	0
State and tribal landfill and/or solid waste disposal site lists								
SWF/LF	0.500		0	0	0	NR	NR	0
OLI	0.500		0	0	0	NR	NR	0
State and tribal leaking storage tank lists								
LUST	0.500	1	3	3	12	NR	NR	19

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
LUST TRUST	0.500	1	3	0	5	NR	NR	9
LAST	0.500		0	0	1	NR	NR	1
INDIAN LUST	0.500		0	0	0	NR	NR	0
State and tribal registered storage tank lists								
UST	0.250		3	2	NR	NR	NR	5
AST	0.250		0	0	NR	NR	NR	0
INDIAN UST	0.250		0	0	NR	NR	NR	0
FEMA UST	0.250		0	0	NR	NR	NR	0
State and tribal institutional control / engineering control registries								
INST CONTROL	0.500		0	0	0	NR	NR	0
State and tribal voluntary cleanup sites								
VCP	0.500		0	0	0	NR	NR	0
INDIAN VCP	0.500		0	0	0	NR	NR	0
State and tribal Brownfields sites								
BROWNFIELDS	0.500		0	0	0	NR	NR	0
ADDITIONAL ENVIRONMENTAL RECORDS								
Local Brownfield lists								
US BROWNFIELDS	0.500		0	0	0	NR	NR	0
Local Lists of Landfill / Solid Waste Disposal Sites								
DEBRIS REGION 9	0.500		0	0	0	NR	NR	0
ODI	0.500		0	0	0	NR	NR	0
HIST LF	0.500		0	0	0	NR	NR	0
SWRCY	0.500		0	0	0	NR	NR	0
INDIAN ODI	0.500		0	0	0	NR	NR	0
Local Lists of Hazardous waste / Contaminated Sites								
US CDL	TP		NR	NR	NR	NR	NR	0
US HIST CDL	TP		NR	NR	NR	NR	NR	0
Local Land Records								
LIENS 2	TP		NR	NR	NR	NR	NR	0
Records of Emergency Release Reports								
HMIRS	TP		NR	NR	NR	NR	NR	0
Other Ascertainable Records								
RCRA NonGen / NLR	0.250		1	0	NR	NR	NR	1
DOT OPS	TP		NR	NR	NR	NR	NR	0
DOD	1.000		0	0	0	0	NR	0
FUDS	1.000		0	0	0	0	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
CONSENT	1.000		0	0	0	0	NR	0
ROD	1.000		0	0	0	0	NR	0
UMTRA	0.500		0	0	0	NR	NR	0
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
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
IMD	0.500	1	2	1	12	NR	NR	16
UIC	TP		NR	NR	NR	NR	NR	0
DRYCLEANERS	0.250		0	0	NR	NR	NR	0
NPDES	TP		NR	NR	NR	NR	NR	0
INDIAN RESERV	1.000		0	0	0	0	NR	0
SCRD DRYCLEANERS	0.500		0	0	0	NR	NR	0
2020 COR ACTION	0.250		0	0	NR	NR	NR	0
Financial Assurance	TP		NR	NR	NR	NR	NR	0
COAL ASH EPA	0.500		0	0	0	NR	NR	0
COAL ASH DOE	TP		NR	NR	NR	NR	NR	0
COAL ASH	0.500		0	0	0	NR	NR	0
PCB TRANSFORMER	TP		NR	NR	NR	NR	NR	0
US FIN ASSUR	TP		NR	NR	NR	NR	NR	0
EPA WATCH LIST	TP		NR	NR	NR	NR	NR	0
PRP	TP		NR	NR	NR	NR	NR	0
US AIRS	TP		NR	NR	NR	NR	NR	0
EDR HIGH RISK HISTORICAL RECORDS								
EDR Exclusive Records								
EDR MGP	1.000		0	0	0	0	NR	0

NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

A1 Target Property | **NIVISON PROPERTY (APEX HARDWARE**
500-600 E WILLIAMS ST
APEX, NC 27539 | **IMD** | **S106896149**
LUST | **N/A**

Site 1 of 3 in cluster A

Actual: 466 ft.

IMD:

Region:	RAL
Facility ID:	11922
Date Occurred:	12/27/1993
Submit Date:	3/23/1994
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	UPON UST CLOSURE, SOIL CONTAM. WAS CONFIRMED.
Operator:	W. B. NIVISON
Contact Phone:	Not reported
Owner Company:	N/A
Operator Address:	605 TRANSYLVANIA AVE.
Operator City:	RALEIGH
Oper City,St,Zip:	RALEIGH, NC 27609-
Ownership:	Private
Operation:	Commercial
Material:	PETROLEUM
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Urban
Risk Site:	L
Site Priority:	10E
Priority Code:	L
Priority Update:	4/16/1998
Dem Contact:	WDP
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Responsible Parties
Samples Include:	Soil Samples
7.5 Min Quad:	Not reported
5 Min Quad:	L42J
Latitude:	35.72416666
Longitude:	-78.8475
Latitude Number:	354327
Longitude Number:	785051
Latitude Decimal:	35.7241666666667
Longitude Decimal:	78.8475
GPS:	NOD
Agency:	DWM
Facility ID:	11922
Last Modified:	Not reported
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported

NIVISON PROPERTY (APEX HARDWARE (Continued) **S106896149**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-33358
UST Number: RA-1941
Incident Number: 11922
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 01/31/1994
Date Occur: 12/27/1993
Cleanup: Not reported
Closure Request: Not reported
Close Out: 08/06/2004
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 10E
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in Archives
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 3
RPL: False
CD Num: 263
Reel Num: 34
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 43 27.84 78 50 51
Lat/Long Decimal: 35.7244 78.84749
Testlat: Not reported
Regional Officer Project Mgr: WDP
Region: Raleigh
Company: N/A
Contact Person: W. B. NIVISON
Telephone: Not reported
RP Address: 605 TRANSYLVANIA AVE.
RP City,St,Zip: RALEIGH, NC 27609-

NIVISON PROPERTY (APEX HARDWARE (Continued) **S106896149**

RP County: Not reported
Comments: UPON REQUEST, COPY OF CSA SUBMITTED 6/3/96;
5 Min Quad: L42j

PIRF:
Facility Id: 11922
Date Occurred: 12/27/1993
Date Reported: 3/23/1994
Description Of Incident: UPON UST CLOSURE, SOIL CONTAM. WAS CONFIRMED.
Owner/Operator: W. B. NIVISON
Ownership: 4
Operation Type: 6
Type: 3
Location: 1
Site Priority: 10E
Priority Update: 4/16/1998
Wells Affected Y/N: N
Samples Include: 0
7#5 Minute Quad: 3
5 Minute Quad: 2
Pirf/Min Soil: Not reported
Release Code: L42J
Source Code: Pirf
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 8/6/2004
Incident Phase: **Closed Out**
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

A2 Target Property **W.B. NIVISON PROPERTY** **LUST TRUST** **S105218807**
500 BLOCK OF EAST WILLIAMS STREET **N/A**
APEX, NC

Site 2 of 3 in cluster A

Actual: 466 ft.

LUST TRUST:
Facility ID: Not reported
Site ID: 11922
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Commercial
Priority Rank: Low
Deductable Amount: 20000
3rd Party Deductable Amt: 100000
Sum 3rd Party Amt Applied: 0

W.B. NIVISON PROPERTY (Continued) **S105218807**

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

HSDS **COOPER INDUS INC;LUFKIN DIV** **NC HSDS** **S102442457**
Region **N/A**
SE **, NC**
1/2-1
3755 ft.

HSDS:

Site Type:	Federal
Superfund ID:	042 892 067
Lat/Long:	35 42 53.872649 78 50 6.466991
Total area in coverage units:	136150.578125
Total perimeter in coverage units:	1538.4420166
X-value coordinate in feet:	2048942.125
Y-value coordinate in feet:	715165.25
Sites designated as superfund cleanup sites:	370
Length of feature in internal units:	1538.44184431
Area of feature in internal units squared:	136150.563715

HSDS **APEX SANITARY LDFL** **NC HSDS** **S102442443**
Region **N/A**
WNW **, NC**
1/2-1
4675 ft.

HSDS:

Site Type:	Federal
Superfund ID:	980 502 793
Lat/Long:	35 43 48.867887 78 51 47.709669
Total area in coverage units:	18017.9902344
Total perimeter in coverage units:	512.33874511
X-value coordinate in feet:	2040585.875
Y-value coordinate in feet:	720712.875
Sites designated as superfund cleanup sites:	361
Length of feature in internal units:	512.338651563
Area of feature in internal units squared:	18017.9863562

A3 **APEX HDWARE/SOUTHERN TIRE STORE** **UST** **U001439976**
550 - 600 E WILLIAMS ST **N/A**
< 1/8 **APEX, NC 27502**
1 ft.

Site 3 of 3 in cluster A

Relative:
Higher

Actual:
471 ft.

UST:

Contact:	WILLIAM B NIVISON
Contact Address1:	605 TRANSYLVANIA AVE
Contact Address2:	Not reported
Contact City/State/Zip:	RALEIGH, NC 27609
Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported

APEX HDWARE/SOUTHERN TIRE STORE (Continued) **U001439976**

Product Name:	Gasoline, Gas Mix
Tank Status:	Removed
Tank Capacity:	8000
Perm Close Date:	01/14/1994
Commercial:	No
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	FRP
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Gasoline, Gas Mix
Tank Status:	Removed
Tank Capacity:	8000
Perm Close Date:	01/14/1994
Commercial:	No
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	FRP
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Unknown
Tank Status:	Removed
Tank Capacity:	10000
Perm Close Date:	01/14/1994
Commercial:	No
Regulated:	Yes
Product Key:	20
Tank Construction:	Steel
Piping Construction:	Aluminum
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

4	**MARTIN CLEANERS**	**RCRA NonGen / NLR**	**1000411943**
NNE	**540 E WILLIAMS ST**	**FINDS**	**NCD981473002**
< 1/8	**APEX, NC 27502**	**UST**	
0.006 mi.			
34 ft.			

Relative:
Higher

Actual:
474 ft.

RCRA NonGen / NLR:

Date form received by agency:	02/01/1994
Facility name:	MARTIN CLEANERS
Facility address:	540 E WILLIAMS ST APEX, NC 27502
EPA ID:	NCD981473002
Mailing address:	E WILLIAMS ST APEX, NC 27502
Contact:	KWEE BEN
Contact address:	540 E WILLIAMS ST APEX, NC 27502
Contact country:	US
Contact telephone:	(919) 362-9414
Contact email:	Not reported
EPA Region:	04
Classification:	Non-Generator
Description:	Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:

Owner/operator name:	KWEE DEVELOPMENT CORP.
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:	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:	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,

MARTIN CLEANERS (Continued) **1000411943**

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: 110004023878

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.

UST:

Contact:	W B NIVISON
Contact Address1:	701 E SIX FORKS RD
Contact Address2:	Not reported
Contact City/State/Zip:	RALEIGH, NC 27609
Installed Date:	05/10/1977
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Diesel
Tank Status:	Current
Tank Capacity:	275
Perm Close Date:	Not reported
Commercial:	No
Regulated:	No
Product Key:	1
Tank Construction:	Steel
Piping Construction:	Aluminum
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.7219
Longitude:	-78.8445

---

5 East < 1/8 0.039 mi. 204 ft. | **PANTRY 457 DBA KANGAROO EXPRESS** | **UST** | **U003134440**
705 E WILLIAMS STREET | **Financial Assurance** | **N/A**
APEX, NC 27502

Relative: Higher

Actual: 467 ft.

UST:

Contact:	THE PANTRY, INC.
Contact Address1:	PO BOX 1410/1801 DOUGLAS DRIVE
Contact Address2:	Not reported
Contact City/State/Zip:	SANFORD, NC 27330-1410
Installed Date:	05/06/1985
Root Tank Id:	Not reported
Main Tank:	0

PANTRY 457 DBA KANGAROO EXPRESS (Continued) **U003134440**

Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72348
Longitude:	-78.84520

Installed Date:	05/06/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72348
Longitude:	-78.84520

Installed Date:	05/06/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72348
Longitude:	-78.84520

PANTRY 457 DBA KANGAROO EXPRESS (Continued) **U003134440**

NC Financial Assurance 1:
Facility ID: 0-006964
Region: 1
Financial Responsibility Code: E
Financial Responsibility Desc: STATE/1ST UNION BANK

6
NW
< 1/8
0.112 mi.
591 ft.

WALKER PROPERTY (JAMES) **LUST** **S108493120**
414 EAST WILLIAMS STREET **LUST TRUST** **N/A**
APEX, NC 27608

Relative:
Higher

Actual:
481 ft.

LUST:
Facility ID: Not reported
UST Number: RA-5700
Incident Number: 33232
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 03/20/2007
Date Occur: 02/22/2007
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: U
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 43 27.96 78 50 55.92
Lat/Long Decimal: 35.7244 78.84888
Testlat: Not reported

WALKER PROPERTY (JAMES) (Continued) **S108493120**

Regional Officer Project Mgr:	SMJ
Region:	Raleigh
Company:	Not reported
Contact Person:	james walker
Telephone:	2525271120
RP Address:	P.O. Box 1021
RP City,St,Zip:	kinston, NC 28503
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33232
Date Occurred:	2/22/2007
Date Reported:	3/20/2007
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	n
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33232
Site Note:	Deductible rescinded. See letter in folder. Noncommercial; $5,000 deductible; eligible for reimbursement of 90% of costs that exceed the $5,000 deductible.[CGS 2/13/08]
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported

WALKER PROPERTY (JAMES) (Continued) **S108493120**

Deductable Amount: 5000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

B7 **YATES PROPERTY (SUE)** **IMD** **S107672002**
NE **312 SOUTH TUNSTALL STREET** **N/A**
< 1/8 **APEX, NC**
0.115 mi.
605 ft. **Site 1 of 3 in cluster B**

Relative:
Higher

Actual:
474 ft.

IMD:
Region: Not reported
Facility ID: 33040
Date Occurred: 3/6/2006
Submit Date: 4/5/2006
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: Not reported
Operator: SUE YATES
Contact Phone: 9193678749
Owner Company: Not reported
Operator Address: 2024 BOTTLEWOOD ROAD
Operator City: APEX
Oper City,St,Zip: APEX, NC 27523-
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: L
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: SMJ
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: y
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.72527777
Longitude: -78.84555555
Latitude Number: 354331
Longitude Number: 785044
Latitude Decimal: 35.7252777777778
Longitude Decimal: 78.8455555555555
GPS: 5
Agency: DWM
Facility ID: 33040
Last Modified: 5/15/2006

YATES PROPERTY (SUE) (Continued) **S107672002**

Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

B8 **YATES PROPERTY (SUE)** **LUST** **S107780882**
NE **312 SOUTH TUNSTALL STREET** **LUST TRUST** **N/A**
< 1/8 **APEX, NC 27523**
0.115 mi.
605 ft. **Site 2 of 3 in cluster B**

Relative:
Higher

Actual:
474 ft.

LUST:

Facility ID:	Not reported
UST Number:	RA-5500
Incident Number:	33040
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	04/05/2006
Date Occur:	03/06/2006
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	05/15/2006
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	4
RPL:	False
CD Num:	313
Reel Num:	227
RPOW:	False
RPOP:	False

YATES PROPERTY (SUE) (Continued) **S107780882**

Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 31.68 78 50 44.88
Lat/Long Decimal:	35.7254 78.84581
Testlat:	Not reported
Regional Officer Project Mgr:	SMJ
Region:	Raleigh
Company:	Not reported
Contact Person:	SUE YATES
Telephone:	9193678749
RP Address:	2024 BOTTLEWOOD ROAD
RP City,St,Zip:	APEX, NC 27523-
RP County:	Not reported
Comments:	See closure report tab.
5 Min Quad:	Not reported

PIRF:

Facility Id:	33040
Date Occurred:	3/6/2006
Date Reported:	4/5/2006
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	n
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	5/15/2006
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	33040

YATES PROPERTY (SUE) (Continued) **S107780882**

Site Note: Noncommercial; 100% eligible; $0 deductible.[CGS 03/05/07]
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

B9 **WALTERS RESIDENCE (DIANNE)** **IMD** **S106936219**
NE **303 S TUNSTALL AVE** **LUST** **N/A**
< 1/8 **APEX, NC 27503** **LUST TRUST**
0.121 mi.
640 ft. **Site 3 of 3 in cluster B**

Relative:
Higher

Actual:
475 ft.

IMD:
Region: Not reported
Facility ID: 26848
Date Occurred: 3/30/2005
Submit Date: 6/7/2005
GW Contam: No Groundwater Contamination detected
Soil Contam: Yes
Incident Desc: Not reported
Operator: DIANNE WLTERS
Contact Phone: 9193628056
Owner Company: Not reported
Operator Address: 303 S TUNSTALL AVE
Operator City: APEX
Oper City,St,Zip: APEX, NC 27502-
Ownership: Private
Operation: Residential
Material: Not reported
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Residence
Setting: Not reported
Risk Site: Not reported
Site Priority: Not reported
Priority Code: Not reported
Priority Update: Not reported
Dem Contact: WDP
Wells Affected: Not reported
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: y
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.72527777
Longitude: -78.84527777
Latitude Number: 354331
Longitude Number: 785043
Latitude Decimal: 35.7252777777778
Longitude Decimal: 78.8452777777778

WALTERS RESIDENCE (DIANNE) (Continued) **S106936219**

GPS:	6
Agency:	DWM
Facility ID:	26848
Last Modified:	6/7/2005
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	Not reported
UST Number:	RA-5303
Incident Number:	26848
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	04/04/2005
Date Occur:	03/30/2005
Cleanup:	03/30/2005
Closure Request:	Not reported
Close Out:	06/07/2005
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0

WALTERS RESIDENCE (DIANNE) (Continued) **S106936219**

Error Code:	N
Valid:	False
Lat/Long:	35 43 31.32 78 50 43.62
Lat/Long Decimal:	35.7253 78.84545
Testlat:	Not reported
Regional Officer Project Mgr:	WDP
Region:	Raleigh
Company:	Not reported
Contact Person:	DIANNE WLTERS
Telephone:	9193628056
RP Address:	303 S TUNSTALL AVE
RP City,St,Zip:	APEX, NC 27502-
RP County:	Not reported
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	26848
Date Occurred:	3/30/2005
Date Reported:	6/7/2005
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	Not reported
7#5 Minute Quad:	y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	6/7/2005
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26848
Site Note:	Noncommercial; $5,000 deductible; eligible for reimbursement of 90% of

WALTERS RESIDENCE (DIANNE) (Continued) **S106936219**

costs that exceed the $5,000 deductible.[CGS 2/11/08]

Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	5000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

C10 **SKY MART GAS STATION** **LUST** **S109164516**
NW **314 EAST WILLIAMS STREET** **N/A**
1/8-1/4 **APEX, NC 27502**
0.209 mi.
1102 ft. **Site 1 of 3 in cluster C**

Relative:
Higher

Actual:
479 ft.

LUST:

Facility ID:	0-034850
UST Number:	RA-6006
Incident Number:	33546
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	08/06/2008
Date Occur:	07/08/2008
Cleanup:	07/08/2008
Closure Request:	Not reported
Close Out:	Not reported
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	U
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N

SKY MART GAS STATION (Continued) **S109164516**

Valid: False
Lat/Long: 35 43 34.14 78 51 4.32
Lat/Long Decimal: 35.7261 78.85121
Testlat: Not reported
Regional Officer Project Mgr: JFM
Region: Raleigh
Company: Sky Mart, Inc.
Contact Person: Hardit Dillion
Telephone: Not reported
RP Address: 5875 Old US1
RP City,St,Zip: New Hill, NC 275628811
RP County: Not reported
Comments: Three (03) 12K-gallon gasoline USTs, one (01) 12K-gallon diesel UST, one (01) 10K-gallon diesel UST and one (01) 10K-gallon kerosene UST still at these site. 08/07/2008,
JFM///
Lori; As for the first request I added thirty days to the dead li
ne. The question of permanent monitoring well being necessary of
course not. John F. Maloy RRO UST Section Hoff
man, Lori
wrote:
> > <<sky mart norr.pdf>> <<Sky Mart Gas Station LSI Report.pdf>>
>
> Good morning John, > I wanted to discuss the Skymart Gas station
in Apex Incident #33546. A NORR was issued for this site based on
the findings of a limited site investigation. The NORR required a
tank tightness test, which has been completed, and a site check. The
30 day time period for the completion of the site check will be up
soon, and I wanted to request an extension. We are working with a
potential lender for a property transaction who is working with the
owner. We are finalizing the details of our plan for the Site Check,
and will begin the assessment within the next week or so.
> > My question for the Site Check is : > Is a permanent monitorin
g well necessary at this point? For the LSI we collected groundwater
samples from a geoprobe temporary well, and had elevated levels of
TPH. We used this analytical method b/c the client wanted to limit
the budget. For the site check, can we collect additional groundwater
samples with a geoprobe and analyze for the Risk Based Analytical
methods (VOCs, SVOCs, VPH,
EPH)
? > > Can you please call to discuss? I'm trying to get this propos
al wrapped up today. Thanks for your
help.
> Lori C. Hoffman, PE > Environmental Manager > Terracon >
5240 Green?s Dairy Road I Raleigh, NC
27616 > P 919-873-2211 I F 919-873-9555 I M 919-272-1597 > lchoffman
@terracon.com I
www.terracon.
com > > > > Terracon provides geotechnical, environmental, cons
truction materials, and facilities consulting engineering services
delivered
with > reliability, responsiveness, convenience, and innovation. >
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SKY MART GAS STATION (Continued) **S109164516**

and this hard copy will serve as a final record. In the event of conflict between electronic and hard copy documents, the hard copy will govern. This e-mail and any attachments transmitted with it are the property of Terracon and may contain information that is confidential or otherwise protected from disclosure. The information it contains is intended solely for the use of the one to whom it is addressed, and any other recipient should destroy all copies. >09/17/2008, JFM///

5 Min Quad: Not reported

PIRF:

Facility Id:	33546
Date Occurred:	7/8/2008
Date Reported:	8/6/2008
Description Of Incident:	Three (03) 12K-gallon gasoline USTs, one (01) 12K-gallon diesel UST, one (01) 10K-gallon diesel UST and one (01) 10K-gallon kerosene UST still at these site
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	3
Source:	A
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

C11 NW 1/8-1/4 0.211 mi. 1114 ft. | **EXPRESS MART**
312 E WILLIAMS STREET
APEX, NC 27502

Site 2 of 3 in cluster C

UST | **U003138256**
N/A

Relative: Higher

Actual: 479 ft.

UST:

Contact:	GERMAN AUTO CENTER, INC.
Contact Address1:	1810 FAY STREET
Contact Address2:	Not reported
Contact City/State/Zip:	DURHAM, NC 27704-5009
Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	12000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019
Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	12000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019
Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Diesel
Tank Status:	Current
Tank Capacity:	12000

EXPRESS MART (Continued) **U003138256**

Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	1
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	12000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Diesel
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	1
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0

EXPRESS MART (Continued) **U003138256**

Product Name:	Kerosene, Kero Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	8
Tank Construction:	Steel
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Gasoline, Aviation
Tank Status:	Temporarily Closed
Tank Capacity:	550
Perm Close Date:	Not reported
Commercial:	No
Regulated:	Yes
Product Key:	4
Tank Construction:	Steel
Piping Construction:	Aluminum
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72553
Longitude:	-78.85019

C12 **PANTRY 3797 DBA KANGAROO** **LUST** **U001434736**
NW **302 EAST WILLIAMS STREET** **UST** **N/A**
1/8-1/4 **APEX, NC 27502** **Financial Assurance**
0.221 mi.
1168 ft. **Site 3 of 3 in cluster C**

Relative:
Higher

Actual:
479 ft.

LUST:

Facility ID:	0-005159	
UST Number:	RA-5690	
Incident Number:	33222	
Contamination Type:		Groundwater/Both
Source Type:	Leak-underground	
Product Type:	PETROLEUM	
Date Reported:	03/05/2007	
Date Occur:	02/03/2006	
Cleanup:	02/03/2006	
Closure Request:	Not reported	
Close Out:	06/13/2007	
Level Of Soil Cleanup Achieved:		Soil to Groundwater
Tank Regulated Status:		Both at same site
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		COMMERCIAL
Risk Classification:		L

PANTRY 3797 DBA KANGAROO (Continued) **U001434736**

Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Yes
Flag:	Yes
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to alternate standards
PETOPT:	3
RPL:	False
CD Num:	438
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 33.6 78 51 2.52
Lat/Long Decimal:	35.7259 78.85070
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	Raleigh
Company:	The Pantry, Inc
Contact Person:	Renee Thomas
Telephone:	9197746700
RP Address:	P.O. Box 1410
RP City,St,Zip:	Sanford, NC 27330
RP County:	Not reported
Comments:	One (01) ~ 10K-gallon (substance ?) UST abandoned under the building. 03/07/2007, JFM///
5 Min Quad:	Not reported

PIRF:

Facility Id:	33222
Date Occurred:	2/3/2006
Date Reported:	3/5/2007
Description Of Incident:	One (01) ~ 10K-gallon (substance ?) UST abandoned under the building. 03/07/2007, JFM///
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported

PANTRY 3797 DBA KANGAROO (Continued) **U001434736**

Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

UST:

Contact:	THE PANTRY, INC.
Contact Address1:	PO BOX 1410/1801 DOUGLAS DRIVE
Contact Address2:	Not reported
Contact City/State/Zip:	SANFORD, NC 27330-1410
Installed Date:	04/10/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72591
Longitude:	-78.85136
Installed Date:	04/10/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3

PANTRY 3797 DBA KANGAROO (Continued) **U001434736**

Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72591
Longitude:	-78.85136

Installed Date:	04/10/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72591
Longitude:	-78.85136

Installed Date:	04/10/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Diesel
Tank Status:	Current
Tank Capacity:	8000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	1
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72591
Longitude:	-78.85136

Installed Date:	04/10/1985
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Diesel
Tank Status:	Current
Tank Capacity:	4000
Perm Close Date:	Not reported

PANTRY 3797 DBA KANGAROO (Continued) **U001434736**

Commercial:	Yes
Regulated:	Yes
Product Key:	1
Tank Construction:	FRP
Piping Construction:	Copper
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72591
Longitude:	-78.85136

NC Financial Assurance 1:

Facility ID:	0-005159
Region:	1
Financial Responsibility Code:	Not reported
Financial Responsibility Desc:	WACHOIVA SM420233C

13
NNW
1/8-1/4
0.245 mi.
1295 ft.

RIBEIRIO RESIDENCE (KEN) **IMD** **S105119867**
307 E MOORE ST **LUST** **N/A**
APEX, NC

Relative:
Higher

Actual:
491 ft.

IMD:

Region:	RAL
Facility ID:	17365
Date Occurred:	10/28/1996
Submit Date:	4/2/1997
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	UST pumped nearly empty, but rains filled; fuel oil smell prompted owner to have tank rmvd, "gator green" placed on soil; no evidence of release when rmvd
Operator:	RIBERIO, KEN & FAY
Contact Phone:	362-5142
Owner Company:	N/A
Operator Address:	307 E. MOORE STREET
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-
Ownership:	Private
Operation:	Residential
Material:	HEATING OIL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Residential
Risk Site:	Not reported
Site Priority:	50D
Priority Code:	D
Priority Update:	Not reported
Dem Contact:	WDP
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported

RIBEIRIO RESIDENCE (KEN) (Continued) **S105119867**

Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.7275
Longitude: -78.85027777
Latitude Number: 354339
Longitude Number: 785101
Latitude Decimal: 35.7275
Longitude Decimal: 78.8502777777778
GPS: NOD
Agency: DWM
Facility ID: 17365
Last Modified: 6/24/1997
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 5/27/1997

LUST:
Facility ID: Not reported
UST Number: RA-2736
Incident Number: 17365
Contamination Type: Soil
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 04/02/1997
Date Occur: 10/28/1996
Cleanup: Not reported
Closure Request: Not reported
Close Out: 04/28/1997
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Non Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: NON COMMERCIAL
Risk Classification: Not reported
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 50D
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0

RIBEIRIO RESIDENCE (KEN) (Continued) **S105119867**

Current Status: File Located in Archives
RBCA GW: Not reported
PETOPT: 4
RPL: False
CD Num: 26
Reel Num: Not reported
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 354339 785101
Lat/Long Decimal: 0 0
Testlat: Not reported
Regional Officer Project Mgr: WDP
Region: Raleigh
Company: N/A
Contact Person: RIBERIO, KEN & FAY
Telephone: 362-5142
RP Address: 307 E. MOORE STREET
RP City,St,Zip: APEX, NC 27502-
RP County: Not reported
Comments: UST pumped nearly empty, but rains filled; fuel oil smell prompted owner to have tank rmvd, "gator g
5 Min Quad: Not reported

PIRF:
Facility Id: 17365
Date Occurred: 10/28/1996
Date Reported: 4/2/1997
Description Of Incident: UST pumped nearly empty, but rains filled; fuel oil smell prompted owner to have tank rmvd, "gator green" placed on soil; no evidence of release when rmvd
Owner/Operator: RIBERIO, KEN & FAY
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: 50D
Priority Update: Not reported
Wells Affected Y/N: Not reported
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Min_Soil
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: 6/24/1997
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported

RIBEIRIO RESIDENCE (KEN) (Continued) **S105119867**

Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	5/27/1997

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14 East 1/4-1/2 0.261 mi. 1380 ft. | **WORLEY RESIDENCE**
910 JAMES STREET
APEX, NC 27502 | **LUST** | **S112223124**
N/A

Relative: Higher

Actual: 467 ft.

LUST:

Facility ID:	Not reported	
UST Number:	RA-7102	
Incident Number:	39232	
Contamination Type:		Soil
Source Type:	Leak-underground	
Product Type:	PETROLEUM	
Date Reported:	08/13/2012	
Date Occur:	08/13/2012	
Cleanup:	Not reported	
Closure Request:	Not reported	
Close Out:	11/01/2012	
Level Of Soil Cleanup Achieved:		Soil to Groundwater
Tank Regulated Status:		Non Regulated
# Of Supply Wells:	0	
Commercial/NonCommercial UST Site:		NON COMMERCIAL
Risk Classification:		L
Risk Class Based On Review:		L
Corrective Action Plan Type:		Not reported
NOV Issue Date:	Not reported	
NORR Issue Date:	Not reported	
Site Priority:	Not reported	
Phase Of LSA Req:	Not reported	
Site Risk Reason:	Not reported	
Land Use:	Residential	
MTBE:	No	
MTBE1:	No	
Flag:	No	
Flag1:	No	
LUR Filed:	Not reported	
Release Detection:	0	
Current Status:	File Located in House	
RBCA GW:	Not reported	
PETOPT:	4	
RPL:	False	
CD Num:	0	
Reel Num:	0	
RPOW:	False	
RPOP:	False	
Error Flag:	0	
Error Code:	N	
Valid:	False	
Lat/Long:	35 26 1.44 78 30 19.08	
Lat/Long Decimal:	35.4337 78.50530	
Testlat:	Not reported	

WORLEY RESIDENCE (Continued) **S112223124**

Regional Officer Project Mgr: SMJ
Region: Raleigh
Company: JVI Development II, Inc.
Contact Person: JOSEPH V IANNONE
Telephone: 9193878846
RP Address: 2509 SOUTHWINDS RUN
RP City,St,Zip: apex, NC 27502
RP County: Not reported
Comments: Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 39232
Date Occurred: 8/13/2012
Date Reported: 8/13/2012
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 3
Cause: 3
Source: A
Ust Number: P

Last Modified: 11/1/2012
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

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15 SSW 1/4-1/2 0.307 mi. 1623 ft. | **RIGGSBEE PROPERTY (MILDRED)** | **IMD** | **S107031795**
832 S HUGHES STREET | **LUST** | **N/A**
APEX, NC 27502 | **LUST TRUST**

Relative: Higher
Actual: 473 ft.

IMD:
Region: Not reported
Facility ID: 26879
Date Occurred: 6/1/2005

RIGGSBEE PROPERTY (MILDRED) (Continued) **S107031795**

Submit Date:	7/19/2005
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	One (1) 560gal heating oil ust removed 6/17/05. Approx. 51.8 tons of contaminated soil removed. Confirmation samples were >soil-to-groundwater MSCCs.
Operator:	MILDRED RIGGSBEE
Contact Phone:	9193626278
Owner Company:	Not reported
Operator Address:	900 S HUGHES STREET
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	H
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	SMJ
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Y
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.71694444
Longitude:	-78.84833333
Latitude Number:	354301
Longitude Number:	785054
Latitude Decimal:	35.7169444444444
Longitude Decimal:	78.8483333333333
GPS:	6
Agency:	DWM
Facility ID:	Not reported
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

RIGGSBEE PROPERTY (MILDRED) (Continued) **S107031795**

LUST:

Facility ID:	Not reported
UST Number:	RA-5334
Incident Number:	26879
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	07/19/2005
Date Occur:	06/01/2005
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	12/31/2008
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	H
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	Yes
Flag1:	No
LUR Filed:	09/02/2009
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 1.74 78 50 54.78
Lat/Long Decimal:	35.7171 78.84856
Testlat:	Not reported
Regional Officer Project Mgr:	SMJ
Region:	Raleigh
Company:	Not reported
Contact Person:	MILDRED RIGGSBEE
Telephone:	9193626278
RP Address:	900 S HUGHES STREET
RP City,St,Zip:	APEX, NC 27502-
RP County:	Not reported
Comments:	LSA - MW-1 advanced to 30 feet bgs. One WSW within 1000 feet. WSW is approx. 200 feet from source. Soil is above residential limits. GW from MW-1 had exceedances of 2L for benzene (1.4 ug/l) and C9-C22 aromatics (500 ug/l). SMJ /// NRP recorded by Wa See Also

RIGGSBEE PROPERTY (MILDRED) (Continued) **S107031795**

Incident #26880, RA-5335.
5 Min Quad: Not reported

PIRF:

Facility Id:	26879
Date Occurred:	6/17/2005
Date Reported:	7/19/2005
Description Of Incident:	One (1) 560gal heating oil ust removed 6/17/05. Approx. 51.8 tons of contaminated soil removed. Confirmation samples were >soil-to-groundwater MSCCs.
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	3
Type:	4
Location:	7
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	12/31/2008
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	Not reported
Site ID:	26879
Site Note:	Noncommercial, 100% eligible, 0 deductible.
Site Eligible?:	True
Commercial Find:	100% Non-Commercial
Priority Rank:	Not reported
Deductable Amount:	0
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

16 NNW 1/4-1/2 0.324 mi. 1710 ft. | **APEX UNITED METHODIST CHURCH**
100 S HUGHES ST
APEX, NC | **IMD** | **S103040550**
LUST | **N/A**

Relative: Higher

Actual: 496 ft.

IMD:

Region:	RAL
Facility ID:	18475
Date Occurred:	3/3/1998
Submit Date:	4/14/1998
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	SOIL SAMPLES CONTAINED UP TO 71,500 PPB TPH GAS. GW CONTAINED UP TO 1,210 PPB BENZENE, 217 PPB MEK, AND 194 PPB ACETONE.
Operator:	CAROLYN GAUL
Contact Phone:	Not reported
Owner Company:	APEX UNITED METHODIST CHURCH
Operator Address:	100 SOUTH HUGHES ST
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-
Ownership:	Unknown
Operation:	Not reported
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	SOLVENTS
Qty Lost:	Not reported
Qty Recovered:	Not reported
Material:	HEATING OIL
Qty Lost:	Not reported
Qty Recovered 3:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Urban
Risk Site:	L
Site Priority:	60L
Priority Code:	L
Priority Update:	Not reported
Dem Contact:	WDP
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Responsible Parties
Samples Include:	Groundwater Samples
7.5 Min Quad:	Not reported
5 Min Quad:	L42J
Latitude:	35.73
Longitude:	-78.84861111
Latitude Number:	354348
Longitude Number:	785055
Latitude Decimal:	35.73
Longitude Decimal:	78.8486111111111
GPS:	NOD
Agency:	DWM
Facility ID:	18475
Last Modified:	Not reported
Incident Phase:	Closed Out

APEX UNITED METHODIST CHURCH (Continued) **S103040550**

NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	Not reported
UST Number:	RA-2823
Incident Number:	18475
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	04/01/1998
Date Occur:	03/03/1998
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	02/14/2005
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	06/09/2000
Site Priority:	70
Phase Of LSA Req:	1
Site Risk Reason:	Surface water
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	03/03/2005
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to alternate standards
PETOPT:	3
RPL:	False
CD Num:	309
Reel Num:	209
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 48.96 78 50 55.92
Lat/Long Decimal:	35.7302 78.84888
Testlat:	Not reported

APEX UNITED METHODIST CHURCH (Continued) **S103040550**

Regional Officer Project Mgr:	WDP
Region:	Raleigh
Company:	APEX UNITED METHODIST CHURCH
Contact Person:	CAROLYN GAUL
Telephone:	Not reported
RP Address:	100 SOUTH HUGHES ST
RP City,St,Zip:	APEX, NC 27502-
RP County:	Not reported
Comments:	7/20/00 TEL:P.BURGER O'B&G WILL DO MODELLING TO DEMONSTRATE THAT CONT. WILI NOT IMPACT STREAM (HE ARGUES THAT WT IS 20' BELOW THE "STREAM" Reclassify due to stream (mostly runoff) about 400 ft, that contamination is 20 ft below surface and will never get
5 Min Quad:	L42j

PIRF:

Facility Id:	18475
Date Occurred:	2/9/1998
Date Reported:	4/14/1998
Description Of Incident:	SOIL SAMPLES CONTAINED UP TO 71,500 PPB TPH GAS. GW CONTAINED UP TO 1,210 PPB BENZENE, 217 PPB MEK, AND 194 PPB ACETONE.
Owner/Operator:	UNKNOWN
Ownership:	3
Operation Type:	Not reported
Type:	3
Location:	1
Site Priority:	60L
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	0
7#5 Minute Quad:	3
5 Minute Quad:	1
Pirf/Min Soil:	Not reported
Release Code:	L42J
Source Code:	Pirf
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	2/14/2005
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

D17 West 1/4-1/2 0.376 mi. 1986 ft. | **TAYLOR PROPERTY (FORMER)**
610 TINGEN RD
APEX, NC

IMD **S105765266**
LUST **N/A**
LUST TRUST

Site 1 of 2 in cluster D

Relative: Higher

Actual: 479 ft.

IMD:

Region:	RAL
Facility ID:	21798
Date Occurred:	3/21/2000
Submit Date:	5/2/2000
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	Not reported
Operator:	MR DAN LAMONTAGNE
Contact Phone:	9192493427
Owner Company:	TOWN OF APEX
Operator Address:	PO BOX 250
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-
Ownership:	Not reported
Operation:	Not reported
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Not reported
Setting:	Not reported
Risk Site:	I
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	WDP
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.72388888
Longitude:	-78.85583333
Latitude Number:	354326
Longitude Number:	785121
Latitude Decimal:	35.7238888888889
Longitude Decimal:	78.8558333333333
GPS:	NOD
Agency:	DWM
Facility ID:	21798
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported

TAYLOR PROPERTY (FORMER) (Continued) **S105765266**

RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-3391
Incident Number: 21798
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 05/02/2000
Date Occur: 03/21/2000
Cleanup: 03/21/2000
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Residential
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: I
Risk Class Based On Review: I
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: 07/27/2001
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Gross contaminant levels
Land Use: Residential
MTBE: No
MTBE1: No
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to alternate standards
PETOPT: 3
RPL: False
CD Num: Not reported
Reel Num: Not reported
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 43 26.94 78 51 21.96
Lat/Long Decimal: 35.7241 78.85611
Testlat: Not reported
Regional Officer Project Mgr: KRE
Region: Raleigh
Company: TOWN OF APEX
Contact Person: MR DAN LAMONTAGNE
Telephone: 9192493427
RP Address: PO BOX 250
RP City,St,Zip: APEX, NC 27502-

TAYLOR PROPERTY (FORMER) (Continued) **S105765266**

RP County: wake
Comments: Benzene at 7,500 ppb in GW. LSA Ph II rec'd 8/21/01, same day as CSA rec'd. 11/21/2001LTR OF DEF REQUIREDASCSA NOT APPVD. KAH
5 Min Quad: Not reported

PIRF:
Facility Id: 21798
Date Occurred: Not reported
Date Reported: Not reported
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: Not reported
Operation Type: Not reported
Type: Not reported
Location: Not reported
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: Not reported
Samples Include: Not reported
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: Not reported

Last Modified: Not reported
Incident Phase: Not reported
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 21798
Site Note: Not reported
Site Eligible?: True
Commercial Find: 100% Commercial
Priority Rank: Not reported
Deductable Amount: 75000
3rd Party Deductable Amt: 0
Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

18 South 1/4-1/2 0.389 mi. 2055 ft. | **RIGGSBEE RESIDENCE (MILDRED)**
900 S HUGHES STREET
APEX, NC 27502 | **IMD** **LUST** **LUST TRUST** | **S107031796** **N/A**

Relative: Higher

Actual: 479 ft.

IMD:

Region:	Not reported
Facility ID:	26880
Date Occurred:	6/1/2005
Submit Date:	7/19/2005
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	One (1) 270gal heating oil ust removed 6/17/05. Approx. 50.4 tons of contaminated soil removed. Confirmation samples were >soil-to-groundwater MSCCs.
Operator:	MILDRED RIGGSBEE
Contact Phone:	9193626278
Owner Company:	Not reported
Operator Address:	900 S HUGHES STREET
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-
Ownership:	Private
Operation:	Residential
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Residence
Setting:	Not reported
Risk Site:	Unknown
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	SMJ
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Y
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.71694444
Longitude:	-78.84833333
Latitude Number:	354301
Longitude Number:	785054
Latitude Decimal:	35.7169444444444
Longitude Decimal:	78.8483333333333
GPS:	6
Agency:	DWM
Facility ID:	Not reported
Last Modified:	Not reported
Incident Phase:	Not reported
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported

RIGGSBEE RESIDENCE (MILDRED) (Continued) **S107031796**

SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	Not reported
UST Number:	RA-5335
Incident Number:	26880
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	07/19/2005
Date Occur:	06/01/2005
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	12/31/2008
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	NON COMMERCIAL
Risk Classification:	U
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	09/02/2009
Release Detection:	0
Current Status:	File Located in House
RBCA GW:	Cleanups to alternate standards
PETOPT:	4
RPL:	False
CD Num:	0
Reel Num:	0
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 1.62 78 50 54.3
Lat/Long Decimal:	35.7171 78.84843
Testlat:	Not reported
Regional Officer Project Mgr:	SMJ
Region:	Raleigh
Company:	Not reported
Contact Person:	MILDRED RIGGSBEE
Telephone:	9193626278

RIGGSBEE RESIDENCE (MILDRED) (Continued) **S107031796**

RP Address: 900 S HUGHES STREET
RP City,St,Zip: APEX, NC 27502-
RP County: Not reported
Comments: LSA - MW-1 installed to depth of 25 feet bgs. Soil after excavation still has several exceedances of residential limits. GW from MW-1 exceeeds 2L for Naphthalene and C9-C22 aromatics. One WSW onsite approx. 50 feet from source and one WSW approx. 950 f
5 Min Quad: Not reported

PIRF:
Facility Id: 26880
Date Occurred: 6/1/2005
Date Reported: 7/19/2005
Description Of Incident: One (1) 270gal heating oil ust removed 6/17/05. Approx. 50.4 tons of contaminated soil removed. Confirmation samples were >soil-to-groundwater MSCCs.
Owner/Operator: Not reported
Ownership: 4
Operation Type: 3
Type: 4
Location: 7
Site Priority: Not reported
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: Not reported
7#5 Minute Quad: Y
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: 2
Cause: Not reported
Source: Not reported
Ust Number: P

Last Modified: 12/31/2008
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST TRUST:
Facility ID: Not reported
Site ID: 26880
Site Note: Noncommercial, 100% eligible, 0 deductible.
Site Eligible?: True
Commercial Find: 100% Non-Commercial
Priority Rank: Not reported
Deductable Amount: 0
3rd Party Deductable Amt: 0

RIGGSBEE RESIDENCE (MILDRED) (Continued) **S107031796**

Sum 3rd Party Amt Applied: 0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

D19 **TAYLOR PROPERTY(CLARA)** **IMD** **S104547228**
West **SOUTH SALEM & TINGEN ROAD** **N/A**
1/4-1/2 **APEX, NC**
0.389 mi.
2055 ft. **Site 2 of 2 in cluster D**

Relative:
Higher

Actual:
486 ft.

IMD:

Region:	RAL
Facility ID:	21720
Date Occurred:	3/21/2000
Submit Date:	5/4/2000
GW Contam:	Not reported
Soil Contam:	Not reported
Incident Desc:	ONE 1000 GALLON GASOLINE/DIESEL UST THREE 550 GALLON GASOLINE/UST REMOVED SOIL CONTAM DETECTED IN SAMPLES 9040 MG/KG TPH DIESEL IN SAMPLE SS-4
Operator:	JAMES T TAYLOR/POWER OF ATTORNEY
Contact Phone:	919-567-0180
Owner Company:	FOR CLARA TAYLOR
Operator Address:	1405 POPLAR RIDGE ROAD
Operator City:	FUQUAY-VARINA
Oper City,St,Zip:	FUQUAY-VARINA, NC 27526
Ownership:	Private
Operation:	Commercial
Material:	GASOLINE
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Material:	DIESEL
Qty Lost:	Not reported
Qty Recovered:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Residential
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	5/4/2000
Dem Contact:	Not reported
Wells Affected:	Not reported
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.7249
Longitude:	-78.8558
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	CALC

TAYLOR PROPERTY(CLARA) (Continued) **S104547228**

Agency:	Not reported
Facility ID:	21720
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

20
ENE
1/4-1/2
0.390 mi.
2061 ft.

PINE STATE CREAMERY COMPANY
SCHIEFFELIN ROAD
APEX, NC 27503

IMD **U001439579**
LUST **N/A**
UST

Relative:
Higher

Actual:
480 ft.

IMD:

Region:	RAL
Facility ID:	9026
Date Occurred:	7/25/1990
Submit Date:	9/14/1992
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	RELEASE DURING UST CLOSURE
Operator:	Not reported
Contact Phone:	9198287401
Owner Company:	PINE STATE CREAMERY
Operator Address:	500 GLENWOOD AVE
Operator City:	RALEIGH
Oper City,St,Zip:	RALEIGH, NC 27603-
Ownership:	Private
Operation:	Commercial
Material:	DIESEL
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Industrial
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	WDP
Wells Affected:	Not reported
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported

PINE STATE CREAMERY COMPANY (Continued) **U001439579**

Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	NOD
Agency:	DWM
Facility ID:	9026
Last Modified:	2/3/1993
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	8/13/1992

LUST:

Facility ID:	0-31719
UST Number:	RA-1401
Incident Number:	9026
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	08/30/1990
Date Occur:	07/25/1990
Cleanup:	Not reported
Closure Request:	Not reported
Close Out:	09/26/1990
Level Of Soil Cleanup Achieved:	Not reported
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	0
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	3
RPL:	False

PINE STATE CREAMERY COMPANY (Continued) **U001439579**

CD Num:	27	
Reel Num:	59	
RPOW:	False	
RPOP:	False	
Error Flag:	0	
Error Code:	N	
Valid:	False	
Lat/Long:	Not reported	
Lat/Long Decimal:	0 0	
Testlat:	Not reported	
Regional Officer Project Mgr:		WDP
Region:		Raleigh
Company:		PINE STATE CREAMERY
Contact Person:		Not reported
Telephone:		9198287401
RP Address:		500 GLENWOOD AVE
RP City,St,Zip:		RALEIGH, NC 27603-
RP County:		Not reported
Comments:	Not reported	
5 Min Quad:	Not reported	

PIRF:

Facility Id:	9026
Date Occurred:	7/25/1990
Date Reported:	9/14/1992
Description Of Incident:	RELEASE DURING UST CLOSURE
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	2/3/1993
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	8/13/1992

PINE STATE CREAMERY COMPANY (Continued) **U001439579**

UST:

Contact:	PINE STATE CREAMERY COMPANY
Contact Address1:	500 GLENWOOD AVENUE
Contact Address2:	Not reported
Contact City/State/Zip:	RALEIGH, NC 27603
Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Unknown
Tank Status:	Removed
Tank Capacity:	10000
Perm Close Date:	07/25/1990
Commercial:	Yes
Regulated:	Yes
Product Key:	20
Tank Construction:	Concrete
Piping Construction:	Aluminum
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

Installed Date:	01/01/1964
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Unknown
Tank Status:	Removed
Tank Capacity:	10000
Perm Close Date:	07/25/1990
Commercial:	Yes
Regulated:	Yes
Product Key:	20
Tank Construction:	Concrete
Piping Construction:	Aluminum
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

E21 **APEX FOOD MART** **IMD** **U003143390**
NW **321 SOUTH SALEM STREET** **LUST** **N/A**
1/4-1/2 **APEX, NC 27502** **LUST TRUST**
0.393 mi. **UST**
2075 ft. **Site 1 of 2 in cluster E** **Financial Assurance**

Relative:
Higher

Actual:
494 ft.

IMD:

Region:	RAL
Facility ID:	19167
Date Occurred:	10/19/1997
Submit Date:	12/3/1998
GW Contam:	Yes, Groundwater Contamination has been detected

APEX FOOD MART (Continued) **U003143390**

Soil Contam: No
Incident Desc: SOIL AND GW CONTAM. FOUND DURING SITE ASSESSMENT.
Operator: LARRY JORDAN
Contact Phone: 362-7134
Owner Company: LG JORDAN OIL COMPANY
Operator Address: PO BOX 220
Operator City: APEX
Oper City,St,Zip: APEX, NC 27502-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Residential
Risk Site: I
Site Priority: 70I
Priority Code: I
Priority Update: 12/3/1998
Dem Contact: SMJ
Wells Affected: No
Num Affected: Not reported
Wells Contam: Not reported
Sampled By: Responsible Parties
Samples Include: Groundwater Samples
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.72722222
Longitude: -78.85361111
Latitude Number: 354338
Longitude Number: 785113
Latitude Decimal: 35.7272222222222
Longitude Decimal: 78.8536111111111
GPS: 6
Agency: DWM
Facility ID: 19167
Last Modified: Not reported
Incident Phase: RE
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-006819
UST Number: RA-2893
Incident Number: 19167
Contamination Type: Groundwater/Both

APEX FOOD MART (Continued) **U003143390**

Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 11/12/1997
Date Occur: 10/19/1997
Cleanup: Not reported
Closure Request: Not reported
Close Out: Not reported
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: I
Risk Class Based On Review: I
Corrective Action Plan Type: excavation
NOV Issue Date: Not reported
NORR Issue Date: 09/20/2001
Site Priority: 70
Phase Of LSA Req: 2
Site Risk Reason: G,f
Land Use: Residential
MTBE: No
MTBE1: Yes
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Not reported
PETOPT: 3
RPL: False
CD Num: Not reported
Reel Num: Not reported
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 43 38.4 78 51 13.56
Lat/Long Decimal: 35.7273 78.85377
Testlat: Not reported
Regional Officer Project Mgr: KRE
Region: Raleigh
Company: LG JORDAN OIL COMPANY
Contact Person: LARRY JORDAN
Telephone: 362-7134
RP Address: PO BOX 220
RP City,St,Zip: APEX, NC 27502-
RP County: Not reported
Comments: LSA REQUEST SENT 4/98; REC'D 8/18/98; GW CONTAM > GCL'Spreapp dated 9/13/2004 was approved by RRO but not by central office-wdp-10/25/2004
Not reported
5 Min Quad: Not reported

PIRF:
Facility Id: 19167
Date Occurred: 10/19/1997
Date Reported: 12/3/1998
Description Of Incident: SOIL AND GW CONTAM. FOUND DURING SITE ASSESSMENT.

APEX FOOD MART (Continued) **U003143390**

Owner/Operator:	LARRY JORDAN
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	70I
Priority Update:	12/3/1998
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	3
5 Minute Quad:	1
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Pirf
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	Not reported
Incident Phase:	**Response**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST TRUST:

Facility ID:	0-06819
Site ID:	19167
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Commercial
Priority Rank:	Not reported
Deductable Amount:	20000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

UST:

Contact:	55 INC
Contact Address1:	321 S SALEM STREET
Contact Address2:	Not reported
Contact City/State/Zip:	APEX, NC 27502-1826
Installed Date:	12/22/1986
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0

APEX FOOD MART (Continued) **U003143390**

Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72719
Longitude:	78.8537

Installed Date:	12/22/1986
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72719
Longitude:	78.8537

Installed Date:	12/22/1986
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Gasoline, Gas Mix
Tank Status:	Current
Tank Capacity:	10000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	3
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	3
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72719
Longitude:	78.8537

Installed Date:	12/22/1986
Root Tank Id:	Not reported

APEX FOOD MART (Continued) **U003143390**

Main Tank:	0
Compartment Tank:	0
Manifold Tank:	0
Product Name:	Kerosene, Kero Mix
Tank Status:	Current
Tank Capacity:	1000
Perm Close Date:	Not reported
Commercial:	Yes
Regulated:	Yes
Product Key:	8
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	5
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	35.72719
Longitude:	78.8537

NC Financial Assurance 1:

Facility ID:	0-006819
Region:	1
Financial Responsibility Code:	Not reported
Financial Responsibility Desc:	SELF

22
WSW
1/4-1/2
0.394 mi.
2079 ft.

APEX ELEMENTARY SCHOOL **LUST** **U001439663**
700 TINGEN ROAD **UST** **N/A**
APEX, NC 27502

Relative:
Higher

Actual:
472 ft.

LUST:

Facility ID:	0-032149
UST Number:	RA-294
Incident Number:	33326
Contamination Type:	Soil
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	08/13/1997
Date Occur:	06/25/1997
Cleanup:	06/25/1997
Closure Request:	1997-08-13 00:00:00
Close Out:	06/13/2000
Level Of Soil Cleanup Achieved:	Residential
Tank Regulated Status:	Non Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Not reported
MTBE:	No
MTBE1:	Unknown

APEX ELEMENTARY SCHOOL (Continued) **U001439663**

Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	Not reported
RPL:	False
CD Num:	133
Reel Num:	42
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 25 55.2 78 30 46.8
Lat/Long Decimal:	35.4320 78.51300
Testlat:	Not reported
Regional Officer Project Mgr:	JFM
Region:	Raleigh
Company:	WAKE CO. PUBLIC SCHOOL SYSTEM
Contact Person:	FRANK KOONZ
Telephone:	9198568286
RP Address:	1551 ROCK QUARRY ROAD
RP City,St,Zip:	RALEIGH, NC 27610-
RP County:	wake
Comments:	Not reported
5 Min Quad:	Not reported

PIRF:

Facility Id:	33326
Date Occurred:	6/25/1997
Date Reported:	8/13/1997
Description Of Incident:	Not reported
Owner/Operator:	Not reported
Ownership:	6
Operation Type:	4
Type:	4
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Y
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	Not reported
Ust Number:	P
Last Modified:	Not reported
Incident Phase:	**Not reported**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported

APEX ELEMENTARY SCHOOL (Continued) **U001439663**

Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

UST:

Contact:	WAKE COUNTY PUBLIC SCHOOL SYSTEM
Contact Address1:	1551 ROCK QUARRY RD/DOUG BURD
Contact Address2:	Not reported
Contact City/State/Zip:	RALEIGH, NC 27610-4145
Installed Date:	02/18/1978
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Heating Oil/Fuel
Tank Status:	Removed
Tank Capacity:	20000
Perm Close Date:	06/25/1997
Commercial:	Yes
Regulated:	No
Product Key:	6
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

Installed Date:	02/18/1978
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0
Manifold Tank:	Not reported
Product Name:	Heating Oil/Fuel
Tank Status:	Removed
Tank Capacity:	20000
Perm Close Date:	06/25/1997
Commercial:	Yes
Regulated:	No
Product Key:	6
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

Installed Date:	02/18/1981
Root Tank Id:	Not reported
Main Tank:	0
Compartment Tank:	0

APEX ELEMENTARY SCHOOL (Continued) **U001439663**

Manifold Tank:	Not reported
Product Name:	Heating Oil/Fuel
Tank Status:	Removed
Tank Capacity:	20000
Perm Close Date:	06/25/1997
Commercial:	Yes
Regulated:	No
Product Key:	6
Tank Construction:	Steel
Piping Construction:	0
Piping System Key:	1
Other CP Tank:	Not reported
FIPS County Desc:	Wake
Latitude:	0
Longitude:	0

E23 **HOLT AND SONS CITGO STATION** **IMD** **S105120065**
NW **320 S SALEM ST** **LUST** **N/A**
1/4-1/2 **APEX, NC** **LUST TRUST**
0.395 mi.
2084 ft. **Site 2 of 2 in cluster E**

Relative:
Higher

Actual:
494 ft.

IMD:

Region:	RAL
Facility ID:	22959
Date Occurred:	6/5/1996
Submit Date:	2/28/2001
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Yes
Incident Desc:	SOIL CONTAMINATION DISCOVERED UPON UST REMOVAL
Operator:	WILLIE VANN YATES
Contact Phone:	919 833-1666
Owner Company:	Not reported
Operator Address:	306 S. TUNSTALL AVE
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-1831
Ownership:	Private
Operation:	Commercial
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Residential
Risk Site:	Not reported
Site Priority:	U
Priority Code:	Not reported
Priority Update:	2/28/2001
Dem Contact:	WDP
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.7275

HOLT AND SONS CITGO STATION (Continued) **S105120065**

Longitude:	-78.85416666
Latitude Number:	354339
Longitude Number:	785115
Latitude Decimal:	35.7275
Longitude Decimal:	78.8541666666667
GPS:	7
Agency:	DWM
Facility ID:	22959
Last Modified:	2/28/2001
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	0-036627
UST Number:	RA-3797
Incident Number:	22959
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	09/13/1996
Date Occur:	06/05/1996
Cleanup:	06/05/1996
Closure Request:	Not reported
Close Out:	11/08/2004
Level Of Soil Cleanup Achieved:	Industrial/Commercial
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	Not reported
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	Not reported
Phase Of LSA Req:	1
Site Risk Reason:	Not reported
Land Use:	Residential
MTBE:	No
MTBE1:	Yes
Flag:	No
Flag1:	No
LUR Filed:	11/22/2004
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to 2L.0202 standards
PETOPT:	3
RPL:	False

HOLT AND SONS CITGO STATION (Continued) **S105120065**

CD Num:	310
Reel Num:	214
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 39.18 78 51 15.06
Lat/Long Decimal:	35.7275 78.85419
Testlat:	Not reported
Regional Officer Project Mgr:	WDP
Region:	Raleigh
Company:	Not reported
Contact Person:	WILLIE VANN YATES
Telephone:	919 833-1666
RP Address:	306 S. TUNSTALL AVE
RP City,St,Zip:	APEX, NC 27502-1831
RP County:	WAKE
Comments:	other site address 100 W WILLIAMS ST
5 Min Quad:	Not reported

PIRF:

Facility Id:	22959
Date Occurred:	6/5/1996
Date Reported:	2/28/2001
Description Of Incident:	SOIL CONTAMINATION DISCOVERED UPON UST REMOVAL
Owner/Operator:	WILLIE VANN YATES
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	U
Priority Update:	2/28/2001
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	2
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	11/8/2004
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

HOLT AND SONS CITGO STATION (Continued) **S105120065**

LUST TRUST:

Facility ID:	0-033627
Site ID:	22959
Site Note:	Not reported
Site Eligible?:	True
Commercial Find:	100% Commercial
Priority Rank:	Not reported
Deductable Amount:	75000
3rd Party Deductable Amt:	0
Sum 3rd Party Amt Applied:	0

Click this hyperlink while viewing on your computer to access additional NC LUST TRUST: detail in the EDR Site Report.

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24 ENE 1/4-1/2 0.430 mi. 2268 ft. **KOCH MATERIALS 99 SCHIEFFELIN RD APEX, NC** **IMD LUST** **S101166063 N/A**

Relative: Higher

Actual: 489 ft.

IMD:

Region:	RAL
Facility ID:	5697
Date Occurred:	5/22/1990
Submit Date:	6/26/1990
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	CONTAM. WAS DISCOVERED UPON REMOVAL OF A 2,000 GAL. UST.
Operator:	KOCH MATERIALS
Contact Phone:	803-723-3403
Owner Company:	E.B. GODSEY, JR.
Operator Address:	P. O. BOX 6098
Operator City:	CHARLESTON
Oper City,St,Zip:	CHARLESTON, SC 29405-0098
Ownership:	Private
Operation:	Industrial
Material:	PETROLEUM NAPTHA
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Industrial
Risk Site:	L
Site Priority:	60E
Priority Code:	L
Priority Update:	4/16/1998
Dem Contact:	WDP
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Responsible Parties
Samples Include:	Soil Samples
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.72611111
Longitude:	-78.83944444

KOCH MATERIALS (Continued) **S101166063**

Latitude Number:	354334
Longitude Number:	785022
Latitude Decimal:	35.7261111111111
Longitude Decimal:	78.8394444444444
GPS:	5
Agency:	DWM
Facility ID:	5697
Last Modified:	12/12/2001
Incident Phase:	Closed Out
NOV Issued:	10/4/2001
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Sighned:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

LUST:

Facility ID:	0-005748
UST Number:	RA-837
Incident Number:	5697
Contamination Type:	Groundwater/Both
Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	04/20/1990
Date Occur:	05/22/1990
Cleanup:	Not reported
Closure Request:	2001-08-31 00:00:00
Close Out:	05/11/2005
Level Of Soil Cleanup Achieved:	Industrial/Commercial
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	60E
Phase Of LSA Req:	2
Site Risk Reason:	Surface water
Land Use:	Industrial/commercial
MTBE:	No
MTBE1:	No
Flag:	No
Flag1:	No
LUR Filed:	06/02/2005
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Cleanups to alternate standards
PETOPT:	3
RPL:	False
CD Num:	310

KOCH MATERIALS (Continued) **S101166063**

Reel Num:	215
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 34.92 78 50 22.98
Lat/Long Decimal:	35.7263 78.83972
Testlat:	Not reported
Regional Officer Project Mgr:	WDP
Region:	Raleigh
Company:	E.B. GODSEY, JR.
Contact Person:	KOCH MATERIALS
Telephone:	803-723-3403
RP Address:	P. O. BOX 6098
RP City,St,Zip:	CHARLESTON, SC 29405-0098
RP County:	Not reported
Comments:	Toluene 1,100 ppb, SW standard 11 ppb. Koch int.nor issued 7/29/99 (CSA due 12/3/99). CSA 2nd addendum rec7/11/01.KAH TA PA REQUEST FOLLOWED 7/23/01 FOR CAP WORK BEFORE NORR EVEN SENT REQUIRING CAP. SClupR w/SCR rec'd 8/31/01. ///CSA 3rd add. rec'd 1/10
5 Min Quad:	I42j

PIRF:

Facility Id:	5697
Date Occurred:	4/20/1990
Date Reported:	6/26/1990
Description Of Incident:	CONTAM. WAS DISCOVERED UPON REMOVAL OF A 2,000 GAL. UST.
Owner/Operator:	KOCH MATERIALS
Ownership:	4
Operation Type:	5
Type:	5
Location:	1
Site Priority:	60E
Priority Update:	4/16/1998
Wells Affected Y/N:	N
Samples Include:	0
7#5 Minute Quad:	3
5 Minute Quad:	2
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Pirf
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	5/11/2005
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported

KOCH MATERIALS (Continued) **S101166063**

Close-out Report: Not reported

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25 SE 1/4-1/2 0.433 mi. 2284 ft.

APEX PROFESSIONAL PARK, LLC
1264 E WILLIAMS ST
APEX, NC 27502

IMD **S106349190**
LUST **N/A**

Relative: Lower

Actual: 438 ft.

IMD:

Region:	RAL
Facility ID:	26154
Date Occurred:	10/22/1998
Submit Date:	11/6/2000
GW Contam:	Yes, Groundwater Contamination has been detected
Soil Contam:	No
Incident Desc:	PhII Environmental Site Assessment
Operator:	SEYMOUR, A T, HEIRS OF
Contact Phone:	Not reported
Owner Company:	Not reported
Operator Address:	PO BOX 177
Operator City:	APEX
Oper City,St,Zip:	APEX, NC 27502-
Ownership:	Private
Operation:	Commercial
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Leak-underground
Type:	Gasoline/diesel
Location:	Facility
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	Not reported
Priority Code:	Not reported
Priority Update:	Not reported
Dem Contact:	JFM
Wells Affected:	No
Num Affected:	Not reported
Wells Contam:	Not reported
Sampled By:	9
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	Not reported
Longitude:	Not reported
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	7
Agency:	DWM
Facility ID:	26154
Last Modified:	Not reported
Incident Phase:	RE
NOV Issued:	Not reported
NORR Issued:	3/2/2004
45 Day Report:	Not reported
Public Meeting Held:	Not reported

APEX PROFESSIONAL PARK, LLC (Continued) **S106349190**

Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: Not reported
UST Number: RA-4322
Incident Number: 26154
Contamination Type: Groundwater/Both
Source Type: Leak-underground
Product Type: PETROLEUM
Date Reported: 11/06/2000
Date Occur: 10/22/1998
Cleanup: 10/22/1998
Closure Request: Not reported
Close Out: 02/20/2012
Level Of Soil Cleanup Achieved: Soil to Groundwater
Tank Regulated Status: Regulated
Of Supply Wells: 0
Commercial/NonCommercial UST Site: COMMERCIAL
Risk Classification: L
Risk Class Based On Review: L
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: Not reported
Phase Of LSA Req: 1
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: File Located in House
RBCA GW: Cleanups to 2L.0202 standards
PETOPT: 3
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: N
Valid: False
Lat/Long: 35 43 4.32 78 50 32.76
Lat/Long Decimal: 35.7178 78.84244
Testlat: Not reported
Regional Officer Project Mgr: STF
Region: Raleigh
Company: Not reported
Contact Person: SEYMOUR, A T, HEIRS OF

APEX PROFESSIONAL PARK, LLC (Continued) **S106349190**

Telephone:	Not reported
RP Address:	PO BOX 177
RP City,St,Zip:	APEX, NC 27502-
RP County:	Not reported
Comments:	Ph II Environmental Site Assessment (11/06/2000) showed Soil < SGWMSCC and GW > 2L. There is now a closed "Swifty Serve" mini store at this site and the monitoring wells from the original Ph II ESA (11/06/2000) are still in place. 01/29/2003, JFM ////Site visit 12/11/2005, no wsw seen. 06/22/2006, JFM////NFA BY Grover Nicholson 2/20/12. DMD. 2/24/12 ///
5 Min Quad:	Not reported

PIRF:

Facility Id:	26154
Date Occurred:	10/23/1998
Date Reported:	11/6/2000
Description Of Incident:	PhII Environmental Site Assessment
Owner/Operator:	Not reported
Ownership:	4
Operation Type:	6
Type:	3
Location:	1
Site Priority:	Not reported
Priority Update:	Not reported
Wells Affected Y/N:	N
Samples Include:	Not reported
7#5 Minute Quad:	9
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Not reported
Err Type:	3
Cause:	Not reported
Source:	C
Ust Number:	C
Last Modified:	2/20/2012
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

F26 **WHITE OIL SPILL(APEX)** **IMD** **S105201498**
ENE **US HIGHWAY 1** **LAST** **N/A**
1/4-1/2 **APEX, NC**
0.480 mi.
2533 ft. **Site 1 of 2 in cluster F**

Relative:
Higher

Actual:
493 ft.

IMD:

Region:	RAL
Facility ID:	86031
Date Occurred:	10/18/2001
Submit Date:	11/17/2004
GW Contam:	No Groundwater Contamination detected
Soil Contam:	Not reported
Incident Desc:	TRUCK SPILL IN 3 AREAS. EXCAVATED. SMALL AMOUNT OF CONTAMI. SOIL LEFT IN BANK ADJACENT TO STREAM TO PROTECT INTEGRITY OF STREAM. MONITORING STREAM BUT 99% REMOV
Operator:	,
Contact Phone:	Not reported
Owner Company:	WHITE OIL COMPANY
Operator Address:	1009 SCHIEFFEIN ROAD
Operator City:	APEX
Oper City,St,Zip:	APEX, NC
Ownership:	Federal
Operation:	8
Material:	Not reported
Qty Lost 1:	Not reported
Qty Recovered 1:	Not reported
Source:	Spill-surface
Type:	Other inorganics
Location:	Not reported
Setting:	Not reported
Risk Site:	Not reported
Site Priority:	30
Priority Code:	E
Priority Update:	Not reported
Dem Contact:	J. ROUSH
Wells Affected:	No
Num Affected:	0
Wells Contam:	Not reported
Sampled By:	Not reported
Samples Include:	Not reported
7.5 Min Quad:	Not reported
5 Min Quad:	Not reported
Latitude:	35.72694
Longitude:	-78.80944
Latitude Number:	Not reported
Longitude Number:	Not reported
Latitude Decimal:	Not reported
Longitude Decimal:	Not reported
GPS:	EST
Agency:	DWQ
Facility ID:	86031
Last Modified:	11/17/2004
Incident Phase:	Closed Out
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	9/26/2003

WHITE OIL SPILL(APEX) (Continued) **S105201498**

SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 9/26/2003

LAST:
Facility ID: Not reported
UST Number: RA-86031
Incident Number: 86031
Contamination Type: NO
Source Type: 12
Product Type: N
Date Reported: 11/17/2004
Date Occur: 10/18/2001
Cleanup: Not reported
Closure Request: Not reported
Close Out: 11/17/2004
Level Of Soil Cleanup Achieved: Not reported
Tank Regulated Status: Not reported
Of Supply Wells: 0
Commercial/NonCommercial UST Site: Not reported
Risk Classification: Not reported
Risk Class Based On Review: Not reported
Corrective Action Plan Type: Not reported
NOV Issue Date: Not reported
NORR Issue Date: Not reported
Site Priority: 30
Phase Of LSA Req: Not reported
Site Risk Reason: Not reported
Land Use: Not reported
MTBE: No
MTBE1: Unknown
Flag: No
Flag1: No
LUR Filed: Not reported
Release Detection: 0
Current Status: C
RBCA GW: Not reported
PETOPT: Not reported
RPL: False
CD Num: 0
Reel Num: 0
RPOW: False
RPOP: False
Error Flag: 0
Error Code: Not reported
Valid: False
Lat/Long: 35.72694 -78.80944
Lat/Long Decimal: 35.72693 78.809439
Testlat: Not reported
Regional Officer Project Mgr: Not reported
Region: RAL
Company: WHITE OIL COMPANY
Contact Person: Not reported
Telephone: Not reported

WHITE OIL SPILL(APEX) (Continued) **S105201498**

RP Address: 1009 SCHIEFFEIN ROAD
RP City,St,Zip: APEX, NC
RP County: Not reported
Comments: TRUCK SPILL IN 3 AREAS. EXCAVATED. SMALL AMOUNT OF CONTAMI. SOIL LEFT IN BANK ADJACENT TO STREAM TO PROTECT INTEGRITY OF STREAM. MONITORING STREAM BUT 99% REMOVED.CLOSED OUT.Closed File- Sent to State Records Center 11/12/04 Box 6 of 7 Item #25681
5 Min Quad: Not reported

PIRF:
Facility Id: 86031
Date Occurred: Not reported
Date Reported: Not reported
Description Of Incident: Not reported
Owner/Operator: Not reported
Ownership: 5
Operation Type: 8
Type: Not reported
Location: Not reported
Site Priority: 30E
Priority Update: Not reported
Wells Affected Y/N: N
Samples Include: 0
7#5 Minute Quad: Not reported
5 Minute Quad: Not reported
Pirf/Min Soil: Not reported
Release Code: Not reported
Source Code: Not reported
Err Type: Not reported
Cause: Not reported
Source: Not reported
Ust Number: 1

Last Modified: 11/17/2004
Incident Phase: CO
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Signed: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: 9/26/2003

F27 **TASTEE FREEZ WAREHOUSE** **IMD** **S102328563**
ENE **1009 SCHIEFFELIN RD** **LUST** **N/A**
1/4-1/2 **APEX, NC**
0.484 mi.
2557 ft. **Site 2 of 2 in cluster F**

Relative:
Higher

Actual:
495 ft.

IMD:
Region: RAL
Facility ID: 16008
Date Occurred: 11/23/1993
Submit Date: 7/19/1996
GW Contam: No Groundwater Contamination detected

TASTEE FREEZ WAREHOUSE (Continued) **S102328563**

Soil Contam: Yes
Incident Desc: MINOR SOIL CONTAMINATION CONFIRMED DURING EXCAVATION OF USTS.
Operator: KENNETH JARVIS, SR.
Contact Phone: 919-362-8353
Owner Company: TASTEE FREEZ OF NC, INC.
Operator Address: P.O. BOX 967
Operator City: APEX
Oper City,St,Zip: APEX, NC 27502-
Ownership: Private
Operation: Commercial
Material: GASOLINE
Qty Lost 1: Not reported
Qty Recovered 1: Not reported
Source: Leak-underground
Type: Gasoline/diesel
Location: Facility
Setting: Urban
Risk Site: L
Site Priority: 20E
Priority Code: L
Priority Update: 4/16/1998
Dem Contact: WDP
Wells Affected: Not reported
Num Affected: 0
Wells Contam: Not reported
Sampled By: Not reported
Samples Include: Not reported
7.5 Min Quad: Not reported
5 Min Quad: Not reported
Latitude: 35.72722222
Longitude: -78.83888888
Latitude Number: 354338
Longitude Number: 785020
Latitude Decimal: 35.7272222222222
Longitude Decimal: 78.8388888888889
GPS: NOD
Agency: DWM
Facility ID: 16008
Last Modified: Not reported
Incident Phase: Closed Out
NOV Issued: Not reported
NORR Issued: Not reported
45 Day Report: Not reported
Public Meeting Held: Not reported
Corrective Action Planned: Not reported
SOC Sighned: Not reported
Reclassification Report: Not reported
RS Designation: Not reported
Closure Request Date: Not reported
Close-out Report: Not reported

LUST:
Facility ID: 0-031719
UST Number: RA-2529
Incident Number: 16008
Contamination Type: Soil

TASTEE FREEZ WAREHOUSE (Continued) **S102328563**

Source Type:	Leak-underground
Product Type:	PETROLEUM
Date Reported:	12/09/1993
Date Occur:	11/23/1993
Cleanup:	11/23/1993
Closure Request:	Not reported
Close Out:	03/08/2005
Level Of Soil Cleanup Achieved:	Soil to Groundwater
Tank Regulated Status:	Regulated
# Of Supply Wells:	0
Commercial/NonCommercial UST Site:	COMMERCIAL
Risk Classification:	L
Risk Class Based On Review:	L
Corrective Action Plan Type:	Not reported
NOV Issue Date:	Not reported
NORR Issue Date:	Not reported
Site Priority:	20E
Phase Of LSA Req:	Not reported
Site Risk Reason:	Not reported
Land Use:	Industrial/commercial
MTBE:	No
MTBE1:	Unknown
Flag:	No
Flag1:	No
LUR Filed:	Not reported
Release Detection:	0
Current Status:	File Located in Archives
RBCA GW:	Not reported
PETOPT:	3
RPL:	False
CD Num:	309
Reel Num:	209
RPOW:	False
RPOP:	False
Error Flag:	0
Error Code:	N
Valid:	False
Lat/Long:	35 43 38.16 78 50 20.76
Lat/Long Decimal:	35.7272 78.83910
Testlat:	Not reported
Regional Officer Project Mgr:	WDP
Region:	Raleigh
Company:	TASTEE FREEZ OF NC, INC.
Contact Person:	KENNETH JARVIS, SR.
Telephone:	919-362-8353
RP Address:	P.O. BOX 967
RP City,St,Zip:	APEX, NC 27502-
RP County:	Not reported
Comments:	MINOR SOIL CONTAM..
5 Min Quad:	Not reported

PIRF:

Facility Id:	16008
Date Occurred:	11/23/1993
Date Reported:	7/19/1996
Description Of Incident:	MINOR SOIL CONTAMINATION CONFIRMED DURING EXCAVATION OF USTS.
Owner/Operator:	KENNETH JARVIS, SR.
Ownership:	4

TASTEE FREEZ WAREHOUSE (Continued) **S102328563**

Operation Type:	6
Type:	3
Location:	1
Site Priority:	20E
Priority Update:	4/16/1998
Wells Affected Y/N:	Not reported
Samples Include:	0
7#5 Minute Quad:	Not reported
5 Minute Quad:	Not reported
Pirf/Min Soil:	Not reported
Release Code:	Not reported
Source Code:	Min_Soil
Err Type:	Not reported
Cause:	Not reported
Source:	Not reported
Ust Number:	Not reported
Last Modified:	3/8/2005
Incident Phase:	**Closed Out**
NOV Issued:	Not reported
NORR Issued:	Not reported
45 Day Report:	Not reported
Public Meeting Held:	Not reported
Corrective Action Planned:	Not reported
SOC Signed:	Not reported
Reclassification Report:	Not reported
RS Designation:	Not reported
Closure Request Date:	Not reported
Close-out Report:	Not reported

28
East
1/2-1
0.591 mi.
3120 ft.

Relative:
Lower

Actual:
461 ft.

EQ APEX FACILITY FIRE
1005 INVESTMENT BLVD
APEX, NC 27502

RCRA-TSDF **1000261503**
CERCLIS **NCD982170292**
CORRACTS
RCRA NonGen / NLR
PADS
FINDS
MANIFEST
MANIFEST
MANIFEST
2020 COR ACTION
PRP

RCRA-TSDF:

Date form received by agency:	04/09/2008
Facility name:	E Q NORTH CAROLINA
Facility address:	1005 INVESTMENT BLVD APEX, NC 27502
EPA ID:	NCD982170292
Mailing address:	INVESTMENT BLVD APEX, NC 27502
Contact:	SCOTT M MARIS
Contact address:	INVESTMENT BLVD APEX, NC 27502
Contact country:	US
Contact telephone:	(734) 329-8020
Contact email:	Not reported
EPA Region:	04
Land type:	Private

EQ APEX FACILITY FIRE (Continued) **1000261503**

Classification: TSDF
Description: Handler is engaged in the treatment, storage or disposal of hazardous waste
Classification: Non-Generator
Description: Handler: Non-Generators do not presently generate hazardous waste

Owner/Operator Summary:
Owner/operator name: FISHER INDUSTRAL SERVICES INC
Owner/operator address: P O BOX 24086
CHATTANOOGA, TN 37422
Owner/operator country: Not reported
Owner/operator telephone: (423) 899-7300
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
Owner/Op end date: Not reported

Owner/operator name: EQ HOLDING CO INC
Owner/operator address: MICHIGAN AVE
WAYNE, MI 48184
Owner/operator country: US
Owner/operator telephone: (734) 329-8000
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/03/2002
Owner/Op end date: Not reported

Owner/operator name: E Q HOLDINGS CO ONC
Owner/operator address: MICHIGAN AVE
WAYNE, MI 48184
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 12/03/2002
Owner/Op end date: Not reported

Owner/operator name: EQ NORTH CAROLINA
Owner/operator address: INVESTMENT BLVD
APEX, NC 27502
Owner/operator country: US
Owner/operator telephone: (404) 494-3520
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/03/2002
Owner/Op end date: Not reported

Owner/operator name: FISHER INDUSTRAL SERVICES INC
Owner/operator address: P O BOX 24086
CHATTANOOGA, TN 37422
Owner/operator country: Not reported
Owner/operator telephone: (423) 899-7300
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: Not reported
Owner/Op end date: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Owner/operator name: E Q NORTH CAROLINA
Owner/operator address: INVESTMENT BLVD
APEX, NC 27502
Owner/operator country: US
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 12/03/2002
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: 03/12/2008
Facility name: E Q NORTH CAROLINA
Site name: EQ NORTH CAROLINA
Classification: Large Quantity Generator

Date form received by agency: 05/05/2006
Facility name: E Q NORTH CAROLINA
Site name: EQ NORTH CAROLINA
Classification: Large Quantity Generator

Date form received by agency: 03/31/2004
Facility name: E Q NORTH CAROLINA
Site name: EQ NORTH CAROLINA
Classification: Large Quantity Generator

Date form received by agency: 12/03/2002
Facility name: E Q NORTH CAROLINA
Site name: EQ NORTH CAROLINA
Classification: Large Quantity Generator

Date form received by agency: 12/03/2002
Facility name: E Q NORTH CAROLINA
Site name: EQ NORTH CAROLINA
Classification: Large Quantity Generator

Date form received by agency: 12/03/2002
Facility name: E Q NORTH CAROLINA
Site name: EQ NORTH CAROLINA

EQ APEX FACILITY FIRE (Continued) **1000261503**

Classification: Large Quantity Generator

Date form received by agency: 02/29/2000
Facility name: E Q NORTH CAROLINA
Site name: ENVIROCHEM ENVIRONMENTAL SERVICES, INC.
Classification: Small Quantity Generator

Date form received by agency: 11/29/1999
Facility name: E Q NORTH CAROLINA
Site name: ENVIROCHEM ENVIRONMENTAL SVCS
Classification: Small Quantity Generator

Date form received by agency: 12/01/1998
Facility name: E Q NORTH CAROLINA
Site name: ENVIROCHEM ENVIRONMENTAL SVCS
Classification: Not a generator, verified

Date form received by agency: 11/13/1998
Facility name: E Q NORTH CAROLINA
Site name: ENVIROCHEM ENVIRONMENTAL SERVICES, INC.
Classification: Large Quantity Generator

Date form received by agency: 01/01/1993
Facility name: E Q NORTH CAROLINA
Site name: ENVIROCHEM ENVIRONMENTAL SVCS
Classification: Not a generator, verified

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 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: 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: D004

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: ARSENIC

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: D010
Waste name: SELENIUM

Waste code: D011
Waste name: SILVER

Waste code: D012
Waste name: ENDRIN

Waste code: D013
Waste name: LINDANE

Waste code: D014
Waste name: METHOXYCHLOR

Waste code: D015
Waste name: TOXAPHENE

Waste code: D016
Waste name: 2,4-D

Waste code: D017
Waste name: 2,4,5-TP (SILVEX)

Waste code: D018
Waste name: BENZENE

Waste code: D019
Waste name: CARBON TETRACHLORIDE

Waste code: D020
Waste name: CHLORDANE

Waste code: D021
Waste name: CHLOROBENZENE

Waste code: D022
Waste name: CHLOROFORM

Waste code: D023

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: O-CRESOL

Waste code: D024
Waste name: M-CRESOL

Waste code: D025
Waste name: P-CRESOL

Waste code: D026
Waste name: CRESOL

Waste code: D027
Waste name: 1,4-DICHLOROBENZENE

Waste code: D028
Waste name: 1,2-DICHLOROETHANE

Waste code: D029
Waste name: 1,1-DICHLOROETHYLENE

Waste code: D030
Waste name: 2,4-DINITROTOLUENE

Waste code: D031
Waste name: HEPTACHLOR (AND ITS EPOXIDE).

Waste code: D032
Waste name: HEXACHLOROBENZENE

Waste code: D033
Waste name: HEXACHLOROBUTADIENE

Waste code: D034
Waste name: HEXACHLOROETHANE

Waste code: D035
Waste name: METHYL ETHYL KETONE

Waste code: D036
Waste name: NITROBENZENE

Waste code: D037
Waste name: PENTRACHLOROPHENOL

Waste code: D038
Waste name: PYRIDINE

Waste code: D039
Waste name: TETRACHLOROETHYLENE

Waste code: D040
Waste name: TRICHLOROETHYLENE

Waste code: D041
Waste name: 2,4,5-TRICHLOROPHENOL

Waste code: D042

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: 2,4,6-TRICHLOROPHENOL

Waste code: D043
Waste name: VINYL CHLORIDE

Waste code: D092
Waste name: D092

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: F004
Waste name: THE FOLLOWING SPENT NON-HALOGENATED SOLVENTS: CRESOLS AND CRESYLIC ACID, AND NITROBENZENE; 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, 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.

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F007
Waste name: SPENT CYANIDE PLATING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F009
Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F010
Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F011
Waste name: SPENT CYANIDE SOLUTIONS FROM SALT BATH POT CLEANING FROM METAL HEAT TREATING OPERATIONS.

Waste code: F012
Waste name: QUENCHING WASTE WATER TREATMENT SLUDGES FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F013
Waste name: Not Defined

Waste code: F014
Waste name: Not Defined

Waste code: F015
Waste name: Not Defined

Waste code: F016
Waste name: Not Defined

Waste code: F017
Waste name: Not Defined

Waste code: F018
Waste name: Not Defined

Waste code: F019
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE CHEMICAL CONVERSION COATING OF ALUMINUM EXCEPT FROM ZIRCONIUM PHOSPHATING IN ALUMINUM CAN WASHING WHEN SUCH PHOSPHATING IS AN EXCLUSIVE CONVERSION COATING PROCESS.

Waste code: F020
Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE

EQ APEX FACILITY FIRE (Continued) **1000261503**

PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- OR TETRACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE THEIR PESTICIDE DERIVATIVES. (THIS LISTING DOES NOT INCLUDE WASTES FROM THE PRODUCTION OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).

Waste code: F021
Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF PENTACHLOROPHENOL, OR OF INTERMEDIATES USED TO PRODUCE ITS DERIVATIVES.

Waste code: F022
Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENES UNDER ALKALINE CONDITIONS.

Waste code: F023
Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE PRODUCTION OR MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TRI- AND TETRACHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE WASTES FROM EQUIPMENT USED ONLY FOR THE PRODUCTION OR USE OF HEXACHLOROPHENE FROM HIGHLY PURIFIED 2,4,5-TRICHLOROPHENOL).

Waste code: F024
Waste name: PROCESS WASTES, INCLUDING BUT NOT LIMITED TO, DISTILLATION RESIDUES, HEAVY ENDS, TARS, AND REACTOR CLEAN-OUT WASTES, FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION. (THIS LISTING DOES NOT INCLUDE WASTEWATERS, WASTEWATER TREATMENT SLUDGES, SPENT CATALYSTS, AND WASTES LISTED IN SECTION 261.31 OR SECTION 261.32).

Waste code: F025
Waste name: CONDENSED LIGHT ENDS, SPENT FILTERS AND FILTER AIDS, AND SPENT DESICCANT WASTES FROM THE PRODUCTION OF CERTAIN CHLORINATED ALIPHATIC HYDROCARBONS, BY FREE RADICAL CATALYZED PROCESSES. THESE CHLORINATED ALIPHATIC HYDROCARBONS ARE THOSE HAVING CARBON CHAIN LENGTHS RANGING FROM ONE TO AND INCLUDING FIVE, WITH VARYING AMOUNTS AND POSITIONS OF CHLORINE SUBSTITUTION.

Waste code: F026
Waste name: WASTES (EXCEPT WASTEWATER AND SPENT CARBON FROM HYDROGEN CHLORIDE PURIFICATION) FROM THE PRODUCTION OF MATERIALS ON EQUIPMENT PREVIOUSLY USED FOR THE MANUFACTURING USE (AS A REACTANT, CHEMICAL INTERMEDIATE, OR COMPONENT IN A FORMULATING PROCESS) OF TETRA-, PENTA-, OR HEXACHLOROBENZENE UNDER ALKALINE CONDITIONS.

Waste code: F027
Waste name: DISCARDED UNUSED FORMULATIONS CONTAINING TRI-, TETRA-, OR PENTACHLOROPHENOL OR DISCARDED UNUSED FORMULATIONS CONTAINING

EQ APEX FACILITY FIRE (Continued) **1000261503**

COMPOUNDS DERIVED FROM THESE CHLOROPHENOLS. (THIS LISTING DOES NOT INCLUDE FORMULATIONS CONTAINING HEXACHLOROPHENE SYTHESIZED FROM PREPURIFIED 2,4,5-TRICHLOROPHENOL AS THE SOLE COMPONENT).

Waste code: F028
Waste name: RESIDUES RESULTING FROM THE INCINERATION OR THERMAL TREATMENT OF SOIL CONTAMINATED WITH EPA HAZARDOUS WASTE NOS. F020, F021, F022, F023, F026, AND F027.

Waste code: F032
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESSES GENERATED AT PLANTS THAT CURRENTLY USE OR HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS (EXCEPT POTENTIALLY CROSS-CONTAMINATED WASTES THAT HAVE HAD THE F032 WASTE CODE DELETED IN ACCORDANCE WITH SECTION 261.35 OF THIS CHAPTER AND WHERE THE GENERATOR DOES NOT RESUME OR INITIATE USE OF CHLOROPHENOLIC FORMULATIONS). THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE LISTING FOR PLANTS THAT HAVE PREVIOUSLY USED CHLOROPHENOLIC FORMULATIONS IS ADMINISTRATIVELY STAYED WHENEVER THESE WASTES ARE COVERED BY THE F034 OR F035 LISTINGS. THESE STAYS WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

Waste code: F033
Waste name: Not Defined

Waste code: F034
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE CREOSOTE FORMULATIONS. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL. (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.)

Waste code: F035
Waste name: WASTEWATERS, PROCESS RESIDUALS, PRESERVATIVE DRIPPAGE, AND SPENT FORMULATIONS FROM WOOD PRESERVING PROCESS GENERATED AT PLANTS THAT USE INORGANIC PRESERVATIVES CONTAINING ARSENIC OR CHROMIUM. THIS LISTING DOES NOT INCLUDE K001 BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATER FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL (NOTE: THE LISTING OF WASTEWATERS THAT HAVE NOT COME INTO CONTACT WITH PROCESS CONTAMINANTS IS STAYED ADMINISTRATIVELY. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN.).

Waste code: F037
Waste name: PETROLEUM REFINERY PRIMARY OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE GENERATED FROM THE GRAVITATIONAL SEPARATION OF OIL/WATER/SOLIDS DURING THE STORAGE OR TREATMENT OF PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH SLUDGES INCLUDE, BUT ARE NOT LIMITED TO, THOSE GENERATED IN: OIL/WATER/SOLIDS SEPARATORS; TANKS AND IMPOUNDMENTS; DITCHES AND OTHER CONVEYANCES;

EQ APEX FACILITY FIRE (Continued) **1000261503**

SUMPS; AND STORMWATER UNITS RECEIVING DRY WEATHER FLOW. SLUDGE GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

Waste code: F038
Waste name: PETROLEUM REFINERY SECONDARY (EMULSIFIED) OIL/WATER/SOLIDS SEPARATION SLUDGE-ANY SLUDGE AND/OR FLOAT GENERATED FROM THE PHYSICAL AND/OR CHEMICAL SEPARATION OF OIL/WATER/SOLIDS IN PROCESS WASTEWATERS AND OILY COOLING WASTEWATERS FROM PETROLEUM REFINERIES. SUCH WASTES INCLUDE, BUT ARE NOT LIMITED TO, ALL SLUDGES AND FLOATS GENERATED IN: INDUCED AIR FLOTATION (IAF) UNITS, TANKS AND IMPOUNDMENTS, AND ALL SLUDGES GENERATED IN DAF UNITS. SLUDGES GENERATED IN STORMWATER UNITS THAT DO NOT RECEIVE DRY WEATHER FLOW, SLUDGES GENERATED FROM NON-CONTACT ONCE-THROUGH COOLING WATERS SEGREGATED FOR TREATMENT FROM OTHER PROCESS OR OILY COOLING WATERS, SLUDGES AND FLOATS GENERATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS AS DEFINED IN SECTION 261.31(B)(2) (INCLUDING SLUDGES AND FLOATS GENERATED IN ONE OR MORE ADDITIONAL UNITS AFTER WASTEWATERS HAVE BEEN TREATED IN AGGRESSIVE BIOLOGICAL TREATMENT UNITS) AND F037, K048, AND K051 WASTES ARE NOT INCLUDED IN THIS LISTING.

Waste code: F039
Waste name: LEACHATE (LIQUIDS THAT HAVE PERCOLATED THROUGH LAND DISPOSED WASTES) RESULTING FROM THE DISPOSAL OF MORE THAN ONE RESTRICTED WASTE CLASSIFIED AS HAZARDOUS UNDER SUBPART D OF THIS PART. (LEACHATE RESULTING FROM THE DISPOSAL OF ONE OR MORE OF THE FOLLOWING EPA HAZARDOUS WASTES AND NO OTHER HAZARDOUS WASTES RETAINS ITS EPA HAZARDOUS WASTES NUMBER(S): F020, F021, F022, F026, F027, AND/OR F028).

Waste code: K001
Waste name: BOTTOM SEDIMENT SLUDGE FROM THE TREATMENT OF WASTEWATERS FROM WOOD PRESERVING PROCESSES THAT USE CREOSOTE AND/OR PENTACHLOROPHENOL.

Waste code: K002
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME YELLOW AND ORANGE PIGMENTS.

Waste code: K003
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF MOLYBDATE ORANGE PIGMENTS

Waste code: K004
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF ZINC YELLOW PIGMENTS

Waste code: K005
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME GREEN PIGMENTS

Waste code: K006

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS (ANHYDROUS AND HYDRATED).

Waste code: K007
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF IRON BLUE PIGMENTS

Waste code: K008
Waste name: OVEN RESIDUE FROM THE PRODUCTION OF CHROME OXIDE GREEN PIGMENTS

Waste code: K009
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF ACETALDEHYDE FROM ETHYLENE

Waste code: K010
Waste name: DISTILLATION SIDE CUTS FROM THE PRODUCTION OF ACETAIDEHYDE FROM ETHYLENE

Waste code: K011
Waste name: BOTTOM STREAM FROM THE WASTEWATER STRIPPER IN THE PRODUCTION OF ACRYLONITRILE

Waste code: K012
Waste name: Not Defined

Waste code: K013
Waste name: BOTTOM STREAM FROM THE ACETONITRILE COLUMN IN THE PRODUCTION OF ACRYLONITRILE

Waste code: K014
Waste name: BOTTOMS FROM THE ACETONITRILE PURIFICATION COLUMN IN THE PRODUCTION OF ACRYLONITRILE

Waste code: K015
Waste name: STILL BOTTOMS FROM THE DISTILLATION OF BENZYL CHLORIDE

Waste code: K016
Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE PRODUCTION OF CARBON TETRACHLORIDE

Waste code: K017
Waste name: HEAVY ENDS (STILL BOTTOMS) FROM THE PURIFICATION COLUMN IN THE PRODUCTION OF EPICHLOROHYDRIN.

Waste code: K018
Waste name: HEAVY ENDS FROM THE FRACTIONATION COLUMN IN ETHYL CHLORIDE PRODUCTION

Waste code: K019
Waste name: HEAVY ENDS FROM THE DISTILLATION OF ETHYLENE DICHLORIDE IN ETHYLENE DICHLORIDE PRODUCTION.

Waste code: K020
Waste name: HEAVY ENDS FROM THE DISTILLATION OF VINYL CHLORIDE IN VINYL CHLORIDE MONOMER PRODUCTION.

Waste code: K021
Waste name: AQUEOUS SPENT ANTIMONY CATALYST WASTE FROM FLUOROMETHANES PRODUCTION

Waste code: K022

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: DISTILLATION BOTTOM TARS FROM THE PRODUCTION OF PHENOL/ACETONE FROM CUMENE

Waste code: K023
Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE

Waste code: K024
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM NAPHTHALENE

Waste code: K025
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF NITROBENZENE BY THE NITRATION OF BENZENE

Waste code: K026
Waste name: STRIPPING STILL TAILS FROM THE PRODUCTION OF METHY ETHYL PYRIDINES

Waste code: K027
Waste name: CENTRIFUGE AND DISTILLATION RESIDUES FROM TOLUENE DIISOCYANATE PRODUCTION

Waste code: K028
Waste name: SPENT CATALYST FROM THE HYDROCHLORINATOR REACTOR IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste code: K029
Waste name: WASTE FROM THE PRODUCT STEAM STRIPPER IN THE PRODUCTION OF 1,1,1-TRICHLOROETHANE

Waste code: K030
Waste name: COLUMN BOTTOMS OR HEAVY ENDS FROM THE COMBINED PRODUCTION OF TRICHLOROETHYLENE AND PERCHLOROETHYLENE.

Waste code: K031
Waste name: BY-PRODUCT SALTS GENERATED IN THE PRODUCTION OF MSMA AND CACODYLIC ACID

Waste code: K032
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF CHLORDANE

Waste code: K033
Waste name: WASTEWATER AND SCRUB WATER FROM THE CHLORINATION OF CYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste code: K034
Waste name: FILTER SOLIDS FROM THE FILTRATION OF HEXACHLOROCYCLOPENTADIENE IN THE PRODUCTION OF CHLORDANE.

Waste code: K035
Waste name: WASTEWATER TREATMENT SLUDGES GENERATED IN THE PRODUCTION OF CREOSOTE

Waste code: K036
Waste name: STILL BOTTOMS FROM TOLUENE RECLAMATION DISTILLATION IN THE PRODUCTION OF DISULFOTON

Waste code: K037

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF DISULFOTON

Waste code: K038
Waste name: WASTEWATER FROM THE WASHING AND STRIPPING OF PHORATE PRODUCTION

Waste code: K039
Waste name: FILTER CAKE FROM THE FILTRATION OF DIETHYLPHOSPHORODITHIOIC ACID IN THE PRODUCTION OF PHORATE.

Waste code: K040
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF PHORATE

Waste code: K041
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF TOXAPHENE

Waste code: K042
Waste name: HEAVY ENDS OR DISTILLATION RESIDUES FROM THE DISTILLATION OF TETRACHLOROBENZENE IN THE PRODUCTION OF 2,4,5-T.

Waste code: K043
Waste name: 2,6-DICHLOROPHENOL WASTE FROM THE PRODUCTION OF 2,4-D

Waste code: K044
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING AND PROCESSING OF EXPLOSIVES

Waste code: K045
Waste name: SPENT CARBON FROM THE TREATMENT OF WASTEWATER CONTAINING EXPLOSIVES

Waste code: K046
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE MANUFACTURING, FORMULATION AND LOADING OF LEAD-BASED INITIATING COMPOUNDS.

Waste code: K047
Waste name: PINK/RED WATER FROM TNT OPERATIONS

Waste code: K048
Waste name: DISSOLVED AIR FLOTATION (DAF) FLOAT FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K049
Waste name: SLOP OIL EMULSION SOLIDS FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K050
Waste name: HEAT EXCHANGER BUNDLE CLEANING SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K051
Waste name: API SEPARATOR SLUDGE FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K052
Waste name: TANK BOTTOMS (LEADED) FROM THE PETROLEUM REFINING INDUSTRY

Waste code: K053
Waste name: Not Defined

Waste code: K054

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: Not Defined

Waste code: K055
Waste name: Not Defined

Waste code: K056
Waste name: Not Defined

Waste code: K057
Waste name: Not Defined

Waste code: K058
Waste name: Not Defined

Waste code: K059
Waste name: Not Defined

Waste code: K060
Waste name: AMMONIA STILL LIME SLUDGE FROM COKING OPERATIONS

Waste code: K061
Waste name: EMISSION CONTROL DUST/SLUDGE FROM THE PRIMARY PRODUCTION OF STEEL IN ELECTRIC FURNACES.

Waste code: K062
Waste name: SPENT PICKLE LIQUOR GENERATED BY STEEL FINISHING OPERATIONS OF FACILITIES WITHIN THE IRON AND STEEL INDUSTRY (SIC CODES 331 AND 332).

Waste code: K063
Waste name: Not Defined

Waste code: K064
Waste name: ACID PLANT BLOWDOWN SLURRY/SLUDGE RESULTING FROM THE THICKENING OF BLOWDOWN SLURRY FROM PRIMARY COPPER PRODUCTION.

Waste code: K065
Waste name: SURFACE IMPOUNDMENT SOLIDS CONTAINED IN AND DREDGED FROM SURFACE IMPOUNDMENTS AT PRIMARY LEAD SMELTING FACILITIES.

Waste code: K066
Waste name: SLUDGE FROM TREATMENT OF PROCESS WASTEWATER AND OR ACID PLANT BLOWDOWN FROM PRIMARY ZINC PRODUCTION.

Waste code: K067
Waste name: Not Defined

Waste code: K068
Waste name: Not Defined

Waste code: K069
Waste name: EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING. (NOTE: THIS LISTING IS STAYED ADMINISTRATIVELY FOR SLUDGE GENERATED FROM SECONDARY ACID SCRUBBER SYSTEMS. THE STAY WILL REMAIN IN EFFECT UNTIL FURTHER ADMINISTRATIVE ACTION IS TAKEN. IF EPA TAKES FURTHER ACTION EFFECTING THIS STAY, EPA WILL PUBLISH A NOTICE OF THE ACTION IN THE FEDERAL REGISTER.

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: K071
Waste name: BRINE PURIFICATION MUDS FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION, WHERE SEPARATELY PREPURIFIED BRINE IS NOT USED.

Waste code: K073
Waste name: CHLORINATED HYDROCARBON WASTE FROM THE PURIFICATION STEP OF THE DIAPHRAGM CELL PROCESS USING GRAPHITE ANODES IN CHLORINE PRODUCTION.

Waste code: K074
Waste name: K074

Waste code: K078
Waste name: K078

Waste code: K079
Waste name: K079

Waste code: K081
Waste name: K081

Waste code: K082
Waste name: K082

Waste code: K083
Waste name: DISTILLATION BOTTOMS FROM ANILINE PRODUCTION

Waste code: K084
Waste name: WASTEWATER TREATMENT SLUDGES GENERATED DURING THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste code: K085
Waste name: DISTILLATION OR FRACTIONATION COLUMN BOTTOMS FROM THE PRODUCTION OF CHLOROBENZENES

Waste code: K086
Waste name: SOLVENT WASHES AND SLUDGES, CAUSTIC WASHES AND SLUDGES, OR WATER WASHES AND SLUDGES FROM CLEANING TUBS AND EQUIPMENT USED IN THE FORMULATION OF INK FROM PIGMENTS, DRIERS, SOAPS, AND STABILIZERS CONTAINING CHROMIUM AND LEAD.

Waste code: K087
Waste name: DECANTER TANK TAR SLUDGE FROM COKING OPERATIONS

Waste code: K088
Waste name: SPENT POTLINERS FROM PRIMARY ALUMINUM REDUCTION

Waste code: K089
Waste name: K089

Waste code: K090
Waste name: EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUMSILICON PRODUCTION

Waste code: K091
Waste name: EMISSION CONTROL DUST OR SLUDGE FROM FERROCHROMIUM PRODUCTION

Waste code: K092
Waste name: K092

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: K093
Waste name: DISTILLATION LIGHT ENDS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE

Waste code: K094
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF PHTHALIC ANHYDRIDE FROM ORTHO-XYLENE

Waste code: K095
Waste name: DISTILLATION BOTTOMS FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE

Waste code: K096
Waste name: HEAVY ENDS FROM THE HEAVY ENDS COLUMN FROM THE PRODUCTION OF 1,1,1-TRICHLOROETHANE.

Waste code: K097
Waste name: VACUUM STRIPPER DISCHARGE FROM THE CHLORDANE CHLORINATOR IN THE PRODUCTION OF CHLORDANE.

Waste code: K098
Waste name: UNTREATED PROCESS WASTEWATER FROM THE PRODUCTION OF TOXAPHENE

Waste code: K099
Waste name: UNTREATED WASTEWATER FROM THE PRODUCTION OF 2,4-D

Waste code: K100
Waste name: WASTE LEACHING SOLUTION FROM ACID LEACHING OF EMISSION CONTROL DUST/SLUDGE FROM SECONDARY LEAD SMELTING.

Waste code: K101
Waste name: DISTILLATION TAR RESIDUES FROM THE DISTILLATION OF ANILINE-BASED COMPOUNDS IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste code: K102
Waste name: RESIDUE FROM THE USE OF ACTIVATED CARBON FOR DECOLORIZATION IN THE PRODUCTION OF VETERINARY PHARMACEUTICALS FROM ARSENIC OR ORGANO-ARSENIC COMPOUNDS.

Waste code: K103
Waste name: PROCESS RESIDUES FROM ANILINE EXTRACTION FROM THE PRODUCTION OF ANILINE

Waste code: K104
Waste name: COMBINED WASTEWATER STREAMS GENERATED FROM NITROBENZENE/ANILINE PRODUCTION

Waste code: K105
Waste name: SEPARATED AQUEOUS STREAM FROM THE REACTOR PRODUCT WASHING STEP IN THE PRODUCTION OF CHLOROBENZENES.

Waste code: K106
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE MERCURY CELL PROCESS IN CHLORINE PRODUCTION

Waste code: K107
Waste name: COLUMN BOTTOMS FROM PRODUCT SEPARATION FROM THE PRODUCTION OF

EQ APEX FACILITY FIRE (Continued) **1000261503**

1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZINES.

Waste code: K108
Waste name: CONDENSED COLUMN OVERHEADS FROM PRODUCT SEPARATION AND CONDENSED REACTOR VENT GASES FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.

Waste code: K109
Waste name: SPENT FILTER CARTRIDGES FROM PRODUCT PURIFICATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.

Waste code: K110
Waste name: CONDENSED COLUMN OVERHEADS FROM INTERMEDIATE SEPARATION FROM THE PRODUCTION OF 1,1-DIMETHYLHYDRAZINE (UDMH) FROM CARBOXYLIC ACID HYDRAZIDES.

Waste code: K111
Waste name: PRODUCT WASHWATERS FROM THE PRODUCTION OF DINITROTOLUENE VIA NITRATION OF TOLUENE

Waste code: K112
Waste name: REACTION BY-PRODUCT WATER FROM THE DRYING COLUMN IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K113
Waste name: CONDENSED LIQUID LIGHT ENDS FROM THE PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K114
Waste name: VICINALS FROM THE PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K115
Waste name: HEAVY ENDS FROM THE PURIFICATION OF TOLUENEDIAMINE IN THE PRODUCTION OF TOLUENEDIAMINE VIA HYDROGENATION OF DINITROTOLUENE.

Waste code: K116
Waste name: ORGANIC CONDENSATE FROM THE SOLVENT RECOVERY COLUMN IN THE PRODUCTION OF TOLUENE DIISOCYANATE VIA PHOSGENATION OF TOLUENEDIAMINE.

Waste code: K117
Waste name: WASTEWATER FROM THE REACTOR VENT GAS SCRUBBER IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste code: K118
Waste name: SPENT ADSORBENT SOLIDS FROM PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste code: K123
Waste name: PROCESS WASTEWATER (INCLUDING SUPERNATES, FILTRATES, AND WASHWATERS) FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALT.

Waste code: K124
Waste name: REACTOR VENT SCRUBBER WATER FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste code: K125

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste name: FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS FROM THE PRODUCTION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste code: K126
Waste name: BAGHOUSE DUST AND FLOOR SWEEPINGS IN MILLING AND PACKAGING OPERATIONS FROM THE PRODUCTION OR FORMULATION OF ETHYLENEBISDITHIOCARBAMIC ACID AND ITS SALTS.

Waste code: K131
Waste name: WASTEWATER FROM THE REACTOR AND SPENT SULFURIC ACID FROM THE ACID DRYER FROM THE PRODUCTION OF METHYL BROMIDE.

Waste code: K132
Waste name: SPENT ABSORBENT AND WASTEWATER SEPARATOR SOLIDS FROM THE PRODUCTION OF METHYL BROMIDE.

Waste code: K136
Waste name: STILL BOTTOMS FROM THE PURIFICATION OF ETHYLENE DIBROMIDE IN THE PRODUCTION OF ETHYLENE DIBROMIDE VIA BROMINATION OF ETHENE.

Waste code: K140
Waste name: DESCRIPTION

Waste code: K141
Waste name: Not Defined

Waste code: K142
Waste name: Not Defined

Waste code: K143
Waste name: Not Defined

Waste code: K144
Waste name: Not Defined

Waste code: K145
Waste name: Not Defined

Waste code: K147
Waste name: Not Defined

Waste code: K148
Waste name: Not Defined

Waste code: K149
Waste name: Not Defined

Waste code: K150
Waste name: Not Defined

Waste code: K151
Waste name: Not Defined

Waste code: K156
Waste name: ORGANIC WASTE (INCLUDING HEAVY ENDS, STILL BOTTOMS, LIGHT ENDS, SPENT SOLVENTS, FILTRATES, AND DECAN

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: K157
Waste name: WASTEWATERS (INCLUDING SCRUBBER WATERS, CONDENSER WATERS, WASHWATERS, AND SEPARATION WATERS) FROM TH

Waste code: K158
Waste name: BAG HOUSE DUSTS AND FILTER/SEPARATION SOLIDS FROM THE PRODUCTION OF CARBAMATES AND CARBAMOYL OXIMES.

Waste code: K159
Waste name: ORGANICS FROM THE TREATMENT OF THIOCARBAMATE WASTES.

Waste code: K160
Waste name: SOLIDS (INCLUDING FILTER WASTES, SEPARATION SOLIDS, AND SPENT CATALYSTS) FROM THE PRODUCTION OF THIOCARBAMATES AND SOLIDS FROM THE TREATMENT OF THIOCARBAMATE WASTES.

Waste code: K161
Waste name: PURIFICATION SOLIDS (INCLUDING FILTRATION, EVAPORATION, AND CENTRIFUGATION SOLIDS), BAG HOUSE DUST A

Waste code: K169
Waste name: Crude oil storage tank sediment from petroleum refining operations.

Waste code: K170
Waste name: Clarified slurry oil storage tank sediment and/or in-line filter/separation solids from petroleum refining operations.

Waste code: K171
Waste name: Spent hydrotreating catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media)

Waste code: K172
Waste name: Spent hydro refining catalyst from petroleum refining operations, including guard beds used to desulfurize feeds to other catalytic reactors (excludes inert support media).

Waste code: K174
Waste name: WASTEWATER TREATMENT SLUDGES FROM THE PRODUCTION OF ETHLYENE DICHLORIDE OR VINYL CHLORIDE

Waste code: K175
Waste name: WASTEWATER TREATMENT SLUDGE FROM THE PRODUCTION OF VINYL CHLORIDE MONOMER..

Waste code: P001
Waste name: 2H-1-BENZOPYRAN-2-ONE, 4-HYDROXY-3-(3-OXO-1-PHENYLBUTYL)-, & SALTS, WHEN PRESENT AT CONCENTRATIONS GREATER THAN 0.3%

Waste code: P002
Waste name: ACETAMIDE, N-(AMINOTHIOXOMETHYL)-

Waste code: P003
Waste name: ACROLEIN

Waste code: P004
Waste name: ALDRIN

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: P005
Waste name: ALLYL ALCOHOL

Waste code: P006
Waste name: ALUMINUM PHOSPHIDE (R,T)

Waste code: P007
Waste name: 5-(AMINOMETHYL)-3-ISOXAZOLOL

Waste code: P008
Waste name: 4-AMINOPYRIDINE

Waste code: P009
Waste name: AMMONIUM PICRATE (R)

Waste code: P010
Waste name: ARSENIC ACID H3ASO4

Waste code: P011
Waste name: ARSENIC OXIDE AS2O3

Waste code: P012
Waste name: ARSENIC OXIDE AS2O3

Waste code: P013
Waste name: BARIUM CYANIDE

Waste code: P014
Waste name: BENZENETHIOL

Waste code: P015
Waste name: BERYLLIUM

Waste code: P016
Waste name: DICHLOROMETHYL ETHER

Waste code: P017
Waste name: BROMOACETONE

Waste code: P018
Waste name: BRUCINE

Waste code: P019
Waste name: Not Defined

Waste code: P020
Waste name: DINOSEB

Waste code: P021
Waste name: CALCIUM CYANIDE

Waste code: P022
Waste name: CARBON DISULFIDE

Waste code: P023
Waste name: ACETALDEHYDE, CHLORO-

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: P024
Waste name: BENZENAMINE, 4-CHLORO-

Waste code: P025
Waste name: Not Defined

Waste code: P026
Waste name: 1-(O-CHLOROPHENYL)THIOUREA

Waste code: P027
Waste name: 3-CHLOROPROPIONITRILE

Waste code: P028
Waste name: BENZENE, (CHLOROMETHYL)-

Waste code: P029
Waste name: COPPER CYANIDE

Waste code: P030
Waste name: CYANIDES (SOLUBLE CYANIDE SALTS), NOT OTHERWISE SPECIFIED

Waste code: P031
Waste name: CYANOGEN

Waste code: P032
Waste name: Not Defined

Waste code: P033
Waste name: CYANOGEN CHLORIDE

Waste code: P034
Waste name: 2-CYCLOHEXYL-4,6-DINITROPHENOL

Waste code: P035
Waste name: Not Defined

Waste code: P036
Waste name: ARSONOUS DICHLORIDE, PHENYL-

Waste code: P037
Waste name: DIELDRIN

Waste code: P038
Waste name: ARSINE, DIETHYL-

Waste code: P039
Waste name: DISULFOTON

Waste code: P040
Waste name: O,O-DIETHY: O-PYRAZINYL PHOSPHOROTHIOATE

Waste code: P041
Waste name: DIETHYL-P-NITROPHENYL PHOSPHATE

Waste code: P042
Waste name: 1,2-BENZENEDIOL, 4-[1-HYDROXY-2-(METHYLAMINO)ETHYL]-, (R)-

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: P043
Waste name: DIISOPROPYTFLUOROPHOSPHATE (DFP)

Waste code: P044
Waste name: DIMETHOATE

Waste code: P045
Waste name: 2-BUTANONE, 3,3-DIMETHYL-1-(METHYLTHIO)-, O-[METHYLAMINO)CARBONYL] OXIME

Waste code: P046
Waste name: BENZENEETHANAMINE, ALPHA,ALPHA-DIMETHYL-

Waste code: P047
Waste name: 4,6-DINITRO-O-CRESOL, & SALTS

Waste code: P048
Waste name: 2,4-DINITROPHENOL

Waste code: P049
Waste name: DITHIOBIURET

Waste code: P050
Waste name: ENDOSULFAN

Waste code: P051
Waste name: 2,7:3,6-DIMETHANONAPHTH [2,3-B]OXIRENE, 3,4,5,6,9,9-HEXACHLORO-1A,2,2A,3,6,6A,7,7A-OCTAHYDRO-, (1AALPHA,2BETA,2ABETA,3ALPHA,6ALPHA,6ABETA,7BETA, 7AALPHA)-, & METABOLITES

Waste code: P052
Waste name: Not Defined

Waste code: P053
Waste name: Not Defined

Waste code: P054
Waste name: AZIRIDINE

Waste code: P055
Waste name: Not Defined

Waste code: P056
Waste name: FLUORINE

Waste code: P057
Waste name: ACETAMIDE, 2-FLUORO-

Waste code: P058
Waste name: ACETIC ACID, FLUORO-, SODIUM SALT

Waste code: P059
Waste name: HEPTACHLOR

Waste code: P060
Waste name: 1,4,5,8-DIMETHANONAPHTHALENE, 1,2,3,4,10,10-HEXA-

EQ APEX FACILITY FIRE (Continued) **1000261503**

CHLORO-1,4,4A,5,8,8A-HEXAHYDRO-,
(1ALPHA,4ALPHA,4ABETA,5BETA,8BETA,8ABETA)-

Waste code: P061
Waste name: Not Defined

Waste code: P062
Waste name: HEXAETHYL TETRAPHOSPHATE

Waste code: P063
Waste name: HYDROCYANIC ACID

Waste code: P064
Waste name: METHANE, ISOCYANATO-

Waste code: P065
Waste name: FULMINIC ACID, MERCURY(2+) SALT (R,T)

Waste code: P066
Waste name: ETHANIMIDOTHIOIC ACID, N-[[(METHYLAMINO)CARBONYL]OXY]-, METHYL ESTER

Waste code: P067
Waste name: AZIRIDINE, 2-METHYL-

Waste code: P068
Waste name: HYDRAZINE, METHYL-

Waste code: P069
Waste name: 2-METHYLLACTONITRILE

Waste code: P070
Waste name: ALDICARB

Waste code: P071
Waste name: METHYL PARATHION

Waste code: P072
Waste name: ALPHA-NAPHTHYLTHIOUREA

Waste code: P073
Waste name: NICKEL CARBONYL

Waste code: P074
Waste name: NICKEL CYANIDE

Waste code: P075
Waste name: NICOTINE, & SALTS

Waste code: P076
Waste name: NITRIC OXIDE

Waste code: P077
Waste name: BENZENAMINE, 4-NITRO-

Waste code: P078
Waste name: NITROGEN DIOXIDE

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: P079
Waste name: Not Defined

Waste code: P080
Waste name: Not Defined

Waste code: P081
Waste name: NITROGLYCERINE (R)

Waste code: P082
Waste name: METHANAMINE, N-METHYL-N-NITROSO-

Waste code: P083
Waste name: Not Defined

Waste code: P084
Waste name: N-NITROSOMETHYLVINYLAMINE

Waste code: P085
Waste name: DIPHOSPHORAMIDE, OCTAMETHYL-

Waste code: P086
Waste name: Not Defined

Waste code: P087
Waste name: OSMIUM OXIDE OSO4, (T-4)-

Waste code: P088
Waste name: ENDOTHALL

Waste code: P089
Waste name: PARATHION

Waste code: P090
Waste name: Not Defined

Waste code: P091
Waste name: Not Defined

Waste code: P092
Waste name: MERCURY, (ACETATO-O)PHENYL-

Waste code: P093
Waste name: PHENYLTHIOUREA

Waste code: P094
Waste name: PHORATE

Waste code: P095
Waste name: CARBONIC DICHLORIDE

Waste code: P096
Waste name: HYDROGEN PHOSPHIDE

Waste code: P097
Waste name: FAMPHUR

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: P098
Waste name: POTASSIUM CYANIDE

Waste code: P099
Waste name: ARGENTATE(1-), BIS(CYANO-C)-, POTASSIUM

Waste code: P100
Waste name: Not Defined

Waste code: U001
Waste name: ACETALDEHYDE (I)

Waste code: U002
Waste name: ACETONE (I)

Waste code: U003
Waste name: ACETONITRILE (I,T)

Waste code: U004
Waste name: ACETOPHENONE

Waste code: U005
Waste name: ACETAMIDE, N-9H-FLUOREN-2-YL-

Waste code: U006
Waste name: ACETYL CHLORIDE (C,R,T)

Waste code: U007
Waste name: ACRYLAMIDE

Waste code: U008
Waste name: ACRYLIC ACID (I)

Waste code: U009
Waste name: ACRYLONITRILE

Waste code: U010
Waste name: AZIRINO[2',3':3,4]PYRROLO[1,2-A]INDOLE-4,7-DIONE, 6-AMINO-8-[[(AMINOCARBONYL)OXY]METHYL]-1,1A,2,8,8A,8B-HEXAHYDRO-8A-METHOXY-5-METHYL-, [1AS-(1AALPHA, 8BETA,8AALPHA,8BALPHA)]-

Waste code: U011
Waste name: AMITROLE

Waste code: U012
Waste name: ANILINE (I,T)

Waste code: U013
Waste name: Not Defined

Waste code: U014
Waste name: AURAMINE

Waste code: U015
Waste name: AZASERINE

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U016
Waste name: BENZ[C]ACRIDINE

Waste code: U017
Waste name: BENZAL CHLORIDE

Waste code: U018
Waste name: BENZ[A]ANTHRACENE

Waste code: U019
Waste name: BENZENE (I,T)

Waste code: U020
Waste name: BENZENESULFONIC ACID CHLORIDE (C,R)

Waste code: U021
Waste name: BENZIDINE

Waste code: U022
Waste name: BENZO[A]PYRENE

Waste code: U023
Waste name: BENZENE, (TRICHLOROMETHYL)-

Waste code: U024
Waste name: DICHLOROMETHOXY ETHANE

Waste code: U025
Waste name: DICHLOROETHYL ETHER

Waste code: U026
Waste name: CHLORNAPHAZIN

Waste code: U027
Waste name: DICHLOROISOPROPYL ETHER

Waste code: U028
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, BIS(2-ETHYLHEXYL) ESTER

Waste code: U029
Waste name: METHANE, BROMO-

Waste code: U030
Waste name: BENZENE, 1-BROMO-4-PHENOXY-

Waste code: U031
Waste name: 1-BUTANOL (I)

Waste code: U032
Waste name: CALCIUM CHROMATE

Waste code: U033
Waste name: CARBONIC DIFLUORIDE

Waste code: U034
Waste name: ACETALDEHYDE, TRICHLORO-

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U035
Waste name: BENZENEBUTANOIC ACID, 4-[BIS(2-CHLOROETHYL)AMINO]-

Waste code: U036
Waste name: CHLORDANE, ALPHA & GAMMA ISOMERS

Waste code: U037
Waste name: BENZENE, CHLORO-

Waste code: U038
Waste name: BENZENEACETIC ACID, 4-CHLORO-ALPHA-(4-CHLOROPHENYL)-ALPHA-HYDROXY-, ETHYL ESTER

Waste code: U039
Waste name: P-CHLORO-M-CRESOL

Waste code: U040
Waste name: Not Defined

Waste code: U041
Waste name: EPICHLOROHYDRIN

Waste code: U042
Waste name: 2-CHLOROETHYL VINYL ETHER

Waste code: U043
Waste name: ETHENE, CHLORO-

Waste code: U044
Waste name: CHLOROFORM

Waste code: U045
Waste name: METHANE, CHLORO- (I, T)

Waste code: U046
Waste name: CHLOROMETHYL METHYL ETHER

Waste code: U047
Waste name: BETA-CHLORONAPHTHALENE

Waste code: U048
Waste name: O-CHLOROPHENOL

Waste code: U049
Waste name: BENZENAMINE, 4-CHLORO-2-METHYL-, HYDROCHLORIDE

Waste code: U050
Waste name: CHRYSENE

Waste code: U051
Waste name: CREOSOTE

Waste code: U052
Waste name: CRESOL (CRESYLIC ACID)

Waste code: U053
Waste name: 2-BUTENAL

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U054
Waste name: Not Defined

Waste code: U055
Waste name: BENZENE, (1-METHYLETHYL)- (I)

Waste code: U056
Waste name: BENZENE, HEXAHYDRO- (I)

Waste code: U057
Waste name: CYCLOHEXANONE (I)

Waste code: U058
Waste name: CYCLOPHOSPHAMIDE

Waste code: U059
Waste name: DAUNOMYCIN

Waste code: U060
Waste name: BENZENE, 1,1'-(2,2-DICHLOROETHYLIDENE)BIS[4-CHLORO-

Waste code: U061
Waste name: BENZENE, 1,1'-(2,2,2-TRICHLOROETHYLIDENE)BIS[4-CHLORO-

Waste code: U062
Waste name: CARBAMOTHIOIC ACID, BIS(1-METHYLETHYL)-, S-(2,3-DICHLORO-2-PROPENYL) ESTER

Waste code: U063
Waste name: DIBENZ[A,H]ANTHRACENE

Waste code: U064
Waste name: BENZO[RST]PENTAPHENE

Waste code: U065
Waste name: Not Defined

Waste code: U066
Waste name: 1,2-DIBROMO-3-CHLOROPROPANE

Waste code: U067
Waste name: ETHANE, 1,2-DIBROMO-

Waste code: U068
Waste name: METHANE, DIBROMO-

Waste code: U069
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIBUTYL ESTER

Waste code: U070
Waste name: BENZENE, 1,2-DICHLORO-

Waste code: U071
Waste name: BENZENE, 1,3-DICHLORO-

Waste code: U072
Waste name: BENZENE, 1,4-DICHLORO-

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U073
Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DICHLORO-

Waste code: U074
Waste name: 2-BUTENE, 1,4-DICHLORO- (I,T)

Waste code: U075
Waste name: DICHLORODIFLUOROMETHANE

Waste code: U076
Waste name: ETHANE, 1,1-DICHLORO-

Waste code: U077
Waste name: ETHANE, 1,2-DICHLORO-

Waste code: U078
Waste name: 1,1-DICHLOROETHYLENE

Waste code: U079
Waste name: 1,2-DICHLOROETHYLENE

Waste code: U080
Waste name: METHANE, DICHLORO-

Waste code: U081
Waste name: 2,4-DICHLOROPHENOL

Waste code: U082
Waste name: 2,6-DICHLOROPHENOL

Waste code: U083
Waste name: PROPANE, 1,2-DICHLORO-

Waste code: U084
Waste name: 1,3-DICHLOROPROPENE

Waste code: U085
Waste name: 2,2'-BIOXIRANE

Waste code: U086
Waste name: N,N'-DIETHYLHYDRAZINE

Waste code: U087
Waste name: O,O-DIETHYL S-METHYL DITHIOPHOSPHATE

Waste code: U088
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIETHYL ESTER

Waste code: U089
Waste name: DIETHYLSTILBESTEROL

Waste code: U090
Waste name: 1,3-BENZODIOXOLE, 5-PROPYL-

Waste code: U091
Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHOXY-

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U092
Waste name: DIMETHYLAMINE (I)

Waste code: U093
Waste name: BENZENAMINE, N,N-DIMETHYL-4-(PHENYLAZO)-

Waste code: U094
Waste name: BENZ[A]ANTHRACENE, 7,12-DIMETHYL-

Waste code: U095
Waste name: [1,1'-BIPHENYL]-4,4'-DIAMINE, 3,3'-DIMETHYL-

Waste code: U096
Waste name: ALPHA,ALPHA-DIMETHYLBENZYLHYDROPEROXIDE (R)

Waste code: U097
Waste name: CARBAMIC CHLORIDE, DIMETHYL-

Waste code: U098
Waste name: 1,1-DIMETHYLHYDRAZINE

Waste code: U099
Waste name: 1,2-DIMETHYLHYDRAZINE

Waste code: U100
Waste name: Not Defined

Waste code: U101
Waste name: 2,4-DIMETHYLPHENOL

Waste code: U102
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIMETHYL ESTER

Waste code: U103
Waste name: DIMETHYL SULFATE

Waste code: U104
Waste name: Not Defined

Waste code: U105
Waste name: BENZENE, 1-METHYL-2,4-DINITRO-

Waste code: U106
Waste name: BENZENE, 2-METHYL-1,3-DINITRO-

Waste code: U107
Waste name: 1,2-BENZENEDICARBOXYLIC ACID, DIOCTYL ESTER

Waste code: U108
Waste name: 1,4-DIETHYLENEOXIDE

Waste code: U109
Waste name: 1,2-DIPHENYLHYDRAZINE

Waste code: U110
Waste name: DIPROPYLAMINE (I)

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U111
Waste name: DI-N-PROPYLNITROSAMINE

Waste code: U112
Waste name: ACETIC ACID ETHYL ESTER (I)

Waste code: U113
Waste name: ETHYL ACRYLATE (I)

Waste code: U114
Waste name: CARBAMODITHIOIC ACID, 1,2-ETHANEDIYLBIS-, SALTS & ESTERS

Waste code: U115
Waste name: ETHYLENE OXIDE (I,T)

Waste code: U116
Waste name: ETHYLENETHIOUREA

Waste code: U117
Waste name: ETHANE, 1,1'-OXYBIS-(I)

Waste code: U118
Waste name: ETHYL METHACRYLATE

Waste code: U119
Waste name: ETHYL METHANESULFONATE

Waste code: U120
Waste name: FLUORANTHENE

Waste code: U121
Waste name: METHANE, TRICHLOROFLUORO-

Waste code: U122
Waste name: FORMALDEHYDE

Waste code: U123
Waste name: FORMIC ACID (C,T)

Waste code: U124
Waste name: FURAN (I)

Waste code: U125
Waste name: 2-FURANCARBOXALDEHYDE (I)

Waste code: U126
Waste name: GLYCIDYLALDEHYDE

Waste code: U127
Waste name: BENZENE, HEXACHLORO-

Waste code: U128
Waste name: 1,3-BUTADIENE, 1,1,2,3,4,4-HEXACHLORO-

Waste code: U129
Waste name: CYCLOHEXANE, 1,2,3,4,5,6-HEXACHLORO-,
(1ALPHA,2ALPHA,3BETA,4ALPHA,5ALPHA,6BETA)-

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U130
Waste name: 1,3-CYCLOPENTADIENE, 1,2,3,4,5,5-HEXACHLORO-

Waste code: U131
Waste name: ETHANE, HEXACHLORO-

Waste code: U132
Waste name: HEXACHLOROPHENE

Waste code: U133
Waste name: HYDRAZINE (R,T)

Waste code: U134
Waste name: HYDROFLUORIC ACID (C,T)

Waste code: U135
Waste name: HYDROGEN SULFIDE

Waste code: U136
Waste name: ARSINIC ACID, DIMETHYL-

Waste code: U137
Waste name: INDENO[1,2,3-CD]PYRENE

Waste code: U138
Waste name: METHANE, IODO-

Waste code: U139
Waste name: Not Defined

Waste code: U140
Waste name: ISOBUTYL ALCOHOL (I,T)

Waste code: U141
Waste name: 1,3-BENZODIOXOLE, 5-(1-PROPENYL)-

Waste code: U142
Waste name: KEPONE

Waste code: U143
Waste name: 2-BUTENOIC ACID, 2-METHYL-, 7-[[2,3-DIHYDROXY-
2-(1-METHOXYETHYL)-3-METHYL-1-OXOBUTOXY]METHYL]-
2,3,5,7A-TETRAHYDRO-1H-PYRROLIZIN-1-YL ESTER,
[1S-[1ALPHA(Z),7(2S*,3R*),7AALPHA]]-

Waste code: U144
Waste name: ACETIC ACID, LEAD(2+) SALT

Waste code: U145
Waste name: LEAD PHOSPHATE

Waste code: U146
Waste name: LEAD, BIS(ACETATO-O)TETRAHYDROXYTRI-

Waste code: U147
Waste name: 2,5-FURANDIONE

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U148
Waste name: MALEIC HYDRAZIDE

Waste code: U149
Waste name: MALONONITRILE

Waste code: U150
Waste name: MELPHALAN

Waste code: U151
Waste name: MERCURY

Waste code: U152
Waste name: METHACRYLONITRILE (I, T)

Waste code: U153
Waste name: METHANETHIOL (I, T)

Waste code: U154
Waste name: METHANOL (I)

Waste code: U155
Waste name: 1,2-ETHANEDIAMINE, N,N-DIMETHYL-N'-2-PYRIDINYL-N'-(2-THIENYLMETHYL)-

Waste code: U156
Waste name: CARBONOCHLORIDIC ACID, METHYL ESTER (I,T)

Waste code: U157
Waste name: BENZ[J]ACEANTHRYLENE, 1,2-DIHYDRO-3-METHYL-

Waste code: U158
Waste name: BENZENAMINE, 4,4'-METHYLENEBIS[2-CHLORO-

Waste code: U159
Waste name: 2-BUTANONE (I,T)

Waste code: U160
Waste name: 2-BUTANONE, PEROXIDE (R,T)

Waste code: U161
Waste name: METHYL ISOBUTYL KETONE (I)

Waste code: U162
Waste name: METHYL METHACRYLATE (I,T)

Waste code: U163
Waste name: GUANIDINE, N-METHYL-N'-NITRO-N-NITROSO-

Waste code: U164
Waste name: METHYLTHIOURACIL

Waste code: U165
Waste name: NAPHTHALENE

Waste code: U166
Waste name: 1,4-NAPHTHALENEDIONE

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste code: U167
Waste name: 1-NAPHTHALENAMINE

Waste code: U168
Waste name: 2-NAPHTHALENAMINE

Waste code: U169
Waste name: BENZENE, NITRO-

Waste code: U170
Waste name: P-NITROPHENOL

Waste code: U171
Waste name: 2-NITROPROPANE (I,T)

Waste code: U172
Waste name: 1-BUTANAMINE, N-BUTYL-N-NITROSO-

Waste code: U173
Waste name: ETHANOL, 2,2'-(NITROSOIMINO)BIS-

Waste code: U174
Waste name: ETHANAMINE, N-ETHYL-N-NITROSO-

Waste code: U175
Waste name: Not Defined

Waste code: U176
Waste name: N-NITROSO-N-ETHYLUREA

Waste code: U177
Waste name: N-NITROSO-N-METHYLUREA

Waste code: U178
Waste name: CARBAMIC ACID, METHYLNITROSO-, ETHYL ESTER

Corrective Action Summary:

Event date: 12/09/1992
Event: RFA Completed

Event date: 04/01/1993
Event: CA Prioritization, Facility or area was assigned a low corrective action priority.

Event date: 02/22/2008
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Event date: 02/22/2008
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been

EQ APEX FACILITY FIRE (Continued) **1000261503**

determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 02/22/2008
Event: Corrective Action Process Terminated, No Further Action

Event date: 02/22/2008
Event: Date For Remedy Selection (CM Imposed)

Event date: 02/22/2008
Event: CA550NR

Facility Has Received Notices of Violations:

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 10/25/2006
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: RCRA ACTION DROPPED-NO VIOLATION
Enforcement action date: 03/08/2007
Enf. disposition status: Dropped
Enf. disp. status date: 03/08/2007
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 10/25/2006
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 10/25/2006
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/05/2007
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 10/15/2007
Enforcement lead agency: State
Proposed penalty amount: 553225

EQ APEX FACILITY FIRE (Continued) **1000261503**

Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 10/25/2006
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 10/25/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 10/25/2006
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 10/25/2006
Date achieved compliance: 03/05/2007
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 10/15/2007
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 10/15/2007
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 275000
Paid penalty amount: 275000

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 08/29/2006
Date achieved compliance: 03/08/2007
Violation lead agency: State
Enforcement action: RCRA ACTION DROPPED-NO VIOLATION
Enforcement action date: 03/08/2007
Enf. disposition status: Dropped
Enf. disp. status date: 03/08/2007
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0

EQ APEX FACILITY FIRE (Continued) **1000261503**

Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 08/29/2006
Date achieved compliance: 09/12/2006
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: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - Storage Prohibitions
Date violation determined: 08/29/2006
Date achieved compliance: 09/28/2006
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: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 08/29/2006
Date achieved compliance: 03/08/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/05/2007
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 10/15/2007
Enforcement lead agency: State
Proposed penalty amount: 553225
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 08/29/2006
Date achieved compliance: 03/08/2007
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

EQ APEX FACILITY FIRE (Continued) **1000261503**

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 08/29/2006
Date achieved compliance: 03/08/2007
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/28/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/28/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 10/25/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 12/28/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 268.50(a)(2)(i)

EQ APEX FACILITY FIRE (Continued) **1000261503**

Area of violation: TSD - Container Use and Management
Date violation determined: 12/28/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 268.50(a)(2)(i)
Area of violation: TSD - Container Use and Management
Date violation determined: 12/28/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: SR - 268.50(a)(2)(i)
Area of violation: TSD - Container Use and Management
Date violation determined: 12/28/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 10/25/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.15(c)
Area of violation: TSD - Container Use and Management
Date violation determined: 12/21/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.177(c)
Area of violation: Permits - Application

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date violation determined: 12/21/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: SR - 264.15(c)
Area of violation: TSD - Container Use and Management
Date violation determined: 12/21/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 10/25/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.15(c)
Area of violation: TSD - Container Use and Management
Date violation determined: 12/21/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: SR - 264.177(c)
Area of violation: Permits - Application
Date violation determined: 12/21/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.177(c)
Area of violation: Permits - Application
Date violation determined: 12/21/2005

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 10/25/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - Exports
Date violation determined: 12/01/2005
Date achieved compliance: 06/12/2006
Violation lead agency: EPA
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 06/12/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 0
Final penalty amount: 7500
Paid penalty amount: 7500

Regulation violated: Not reported
Area of violation: Generators - Exports
Date violation determined: 12/01/2005
Date achieved compliance: 06/12/2006
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 06/12/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.
Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: FINAL IMMINENT HAZARD ORDER
Enforcement action date: 10/25/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.
Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/2005
Date achieved compliance: 11/20/2006

EQ APEX FACILITY FIRE (Continued) **1000261503**

Violation lead agency: State
Enforcement action: FINAL 3008(A) COMPLIANCE ORDER
Enforcement action date: 05/30/2006
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 32000

Regulation violated: SR - 264.
Area of violation: TSD - General Facility Standards
Date violation determined: 08/30/2005
Date achieved compliance: 11/20/2006
Violation lead agency: State
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 03/31/2006
Enf. disposition status: Action Satisfied (Case Closed)
Enf. disp. status date: 11/20/2006
Enforcement lead agency: State
Proposed penalty amount: 32000
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.74(a)
Area of violation: Permits - Application
Date violation determined: 05/14/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/14/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.74(a)
Area of violation: Permits - Application
Date violation determined: 05/14/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.74(a)
Area of violation: Permits - Application
Date violation determined: 05/14/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General Facility Standards
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL

EQ APEX FACILITY FIRE (Continued) **1000261503**

Enforcement action date: 05/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Permits - Application
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Container Use and Management
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 03/28/2001
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001

EQ APEX FACILITY FIRE (Continued) **1000261503**

Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.
Area of violation: Permits - Application
Date violation determined: 02/05/2001
Date achieved compliance: 10/28/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.
Area of violation: Permits - Application
Date violation determined: 02/05/2001
Date achieved compliance: 10/28/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/22/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.
Area of violation: Permits - Application
Date violation determined: 02/05/2001
Date achieved compliance: 10/28/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 02/05/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.14(b)(2)(ii)
Area of violation: Permits - Application
Date violation determined: 12/29/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/13/2000
Enf. disposition status: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.14(b)(2)(ii)
Area of violation: Permits - Application
Date violation determined: 12/29/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/02/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.14(b)(2)(ii)
Area of violation: Permits - Application
Date violation determined: 12/29/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/18/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - General
Date violation determined: 10/09/2000
Date achieved compliance: 10/08/2001
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/28/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.176(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 09/05/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/02/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.176(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 09/05/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/13/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.176(b)
Area of violation: TSD - General Facility Standards
Date violation determined: 09/05/2000
Date achieved compliance: 03/13/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/18/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.15(d)
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/1999
Date achieved compliance: 03/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 10/18/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.15(d)
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/1999
Date achieved compliance: 03/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/02/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.15(d)
Area of violation: TSD - General Facility Standards
Date violation determined: 10/18/1999
Date achieved compliance: 03/03/2000
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 03/13/2000
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 263.20(d)(i)
Area of violation: TSD - Manifest/Records/Reporting
Date violation determined: 01/27/1999
Date achieved compliance: 10/18/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/27/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 270.10
Area of violation: Permits - Application
Date violation determined: 01/27/1999
Date achieved compliance: 10/18/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/27/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 270.10
Area of violation: Permits - Application
Date violation determined: 01/27/1999
Date achieved compliance: 10/18/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/02/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0

EQ APEX FACILITY FIRE (Continued) **1000261503**

Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.73(a);(d)(i)
Area of violation: TSD - General Facility Standards
Date violation determined: 01/27/1999
Date achieved compliance: 10/18/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/27/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 268.50
Area of violation: LDR - General
Date violation determined: 01/27/1999
Date achieved compliance: 10/18/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/02/2001
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 268.50
Area of violation: LDR - General
Date violation determined: 01/27/1999
Date achieved compliance: 10/18/1999
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/27/1999
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: SR - 264.14
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date violation determined: 08/20/1998
Date achieved compliance: 08/21/1998
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/20/1998
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0

EQ APEX FACILITY FIRE (Continued) **1000261503**

Paid penalty amount: 0

Regulation violated: SR - CONTINGENCY PLAN
Area of violation: TSD - General Facility Standards
Date violation determined: 08/25/1997
Date achieved compliance: 08/25/1997
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 08/25/1997
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: LDR - General
Date violation determined: 12/19/1989
Date achieved compliance: 01/24/1990
Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 01/05/1990
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 08/19/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/21/2008
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/22/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 03/05/2007
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/29/2006
Evaluation: SIGNIFICANT NON-COMPLIER

EQ APEX FACILITY FIRE (Continued) **1000261503**

Area of violation: Permits - Application
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

Evaluation date: 12/21/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/12/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/25/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Permits - Application
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

Evaluation date: 10/25/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/08/2007
Evaluation lead agency: State

Evaluation date: 09/29/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2006
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/28/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 09/07/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/29/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 09/12/2006
Evaluation lead agency: State

Evaluation date: 08/29/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/08/2007
Evaluation lead agency: State

Evaluation date: 08/29/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - Storage Prohibitions
Date achieved compliance: 09/28/2006
Evaluation lead agency: State

Evaluation date: 08/29/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 03/05/2007
Evaluation lead agency: State

Evaluation date: 08/24/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/2006
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/08/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/03/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/28/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/21/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/12/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/07/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/22/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/20/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/16/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/12/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Exports
Date achieved compliance: 06/12/2006
Evaluation lead agency: EPA

Evaluation date: 06/08/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/26/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 05/25/2006
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/15/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/02/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/28/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/25/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/13/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/2006
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/21/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/14/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/03/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/21/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/14/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/13/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/08/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/06/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/31/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 01/19/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/17/2006
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/09/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/29/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/28/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 12/28/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Permits - Application
Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 12/28/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 12/21/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - General
Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 12/21/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: TSD - Container Use and Management
Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 12/21/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Permits - Application

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 12/15/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/08/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/01/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Generators - Exports
Date achieved compliance: 06/12/2006
Evaluation lead agency: EPA

Evaluation date: 12/01/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - Exports
Date achieved compliance: 06/12/2006
Evaluation lead agency: EPA

Evaluation date: 11/30/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/22/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/21/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/09/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/08/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 10/31/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/27/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/13/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/05/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/27/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/26/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/2005
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/30/2005
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 11/20/2006
Evaluation lead agency: State

Evaluation date: 08/25/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/23/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/08/2005
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/04/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/26/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/13/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/05/2005
Evaluation: COMPLIANCE ASSISTANCE VISIT
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/21/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/15/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 05/13/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/11/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/04/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/03/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/02/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/19/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/12/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/07/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/06/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/01/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/31/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/16/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/08/2005
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/04/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/2005
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/05/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/04/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 04/12/2004
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/01/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/17/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/11/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/27/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/28/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/13/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/02/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/07/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/11/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/27/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/01/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/15/2002
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/26/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/15/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/12/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2002
Evaluation: CASE DEVELOPMENT INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/25/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 02/22/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/19/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/08/2001
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/01/2001
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/01/2001
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 10/28/2001
Evaluation lead agency: State

Evaluation date: 05/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 05/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 05/22/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 05/14/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 05/03/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 03/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 03/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 03/28/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Container Use and Management
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 02/19/2001
Evaluation: NOT A SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/05/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 02/05/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 10/28/2001
Evaluation lead agency: State

Evaluation date: 01/03/2001
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Permits - Application
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 01/02/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 12/29/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 12/29/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 11/27/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 10/17/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 10/09/2000
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: TSD - General
Date achieved compliance: 10/08/2001
Evaluation lead agency: State

Evaluation date: 09/18/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 09/12/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 09/12/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/03/2000
Evaluation lead agency: State

Evaluation date: 09/05/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: 03/13/2000
Evaluation lead agency: State

Evaluation date: 08/09/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/25/2000
Evaluation: SIGNIFICANT NON-COMPLIER
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/20/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/13/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/03/2000
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/03/2000
Evaluation lead agency: State

Evaluation date: 01/24/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/18/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 03/03/2000
Evaluation lead agency: State

Evaluation date: 10/18/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/25/1997
Evaluation lead agency: State

Evaluation date: 10/18/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/21/1998
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 10/18/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 10/18/1999
Evaluation lead agency: State

Evaluation date: 01/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Permits - Application
Date achieved compliance: 10/18/1999
Evaluation lead agency: State

Evaluation date: 01/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 10/18/1999
Evaluation lead agency: State

Evaluation date: 01/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Manifest/Records/Reporting
Date achieved compliance: 10/18/1999
Evaluation lead agency: State

Evaluation date: 01/27/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General
Date achieved compliance: 10/18/1999
Evaluation lead agency: State

Evaluation date: 11/16/1998
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/22/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/21/1998
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/20/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - Contingency Plan and Emergency Procedures
Date achieved compliance: 08/21/1998
Evaluation lead agency: State

Evaluation date: 07/14/1998
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/03/1998
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/20/1998
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/25/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: TSD - General Facility Standards
Date achieved compliance: 08/25/1997
Evaluation lead agency: State

Evaluation date: 11/21/1996
Evaluation: FOLLOW-UP INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/23/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/20/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/11/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/19/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/08/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

EQ APEX FACILITY FIRE (Continued) **1000261503**

Evaluation date: 10/28/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/30/1993
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/23/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/24/1992
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/29/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/09/1992
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/23/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/15/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/1990
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/19/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: LDR - General

EQ APEX FACILITY FIRE (Continued) **1000261503**

Date achieved compliance: 01/24/1990
Evaluation lead agency: State

CERCLIS:

Site ID:	0409951
EPA ID:	NCD982170292
Facility County:	WAKE
Short Name:	EQ APEX FACILITY FIRE
Congressional District:	Not reported
IFMS ID:	A4MY
SMSA Number:	Not reported
USGC Hydro Unit:	Not reported
Federal Facility:	Not a Federal Facility
DMNSN Number:	0.00000
Site Orphan Flag:	Not reported
RCRA ID:	Not reported
USGS Quadrangle:	Not reported
Site Init By Prog:	R
NFRAP Flag:	Not reported
Parent ID:	Not reported
RST Code:	Not reported
EPA Region:	04
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:	Not reported
Non NPL Status:	Removal Only Site (No Site Assessment Work Needed)
Non NPL Status Date:	10/06/06
Site Fips Code:	37183
CC Concurrence Date:	Not reported
CC Concurrence FY:	Not reported
Alias EPA ID:	Not reported
Site FUDS Flag:	Not reported

CERCLIS Site Contact Name(s):

Contact ID:	4000557.00000
Contact Name:	JAMES WEBSTER
Contact Tel:	(404) 562-8769
Contact Title:	On-Scene Coordinator (OSC)
Contact Email:	Not reported
Contact ID:	4272610.00000
Contact Name:	Carolyn Callihan
Contact Tel:	(404) 562-8913
Contact Title:	Site Assessment Manager (SAM)
Contact Email:	Carolyn Callihan/R4/USEPA/US,
Alias Comments:	Not reported

Site Description: Not reported

CERCLIS Assessment History:

Action Code:	001
Action:	POTENTIALLY RESPONSIBLE PARTY EMERGENCY REMOVAL
Date Started:	10/06/06
Date Completed:	10/10/06

EQ APEX FACILITY FIRE (Continued) **1000261503**

Priority Level:	Cleaned up
Operable Unit:	SITEWIDE
Primary Responsibility:	Responsible Party
Planning Status:	Not reported
Urgency Indicator:	Emergency
Action Anomaly:	Not reported

Action Code:	001
Action:	Notice Letters Issued
Date Started:	Not reported
Date Completed:	09/16/09
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	NON-NATIONAL PRIORITIES LIST POTENTIALLY RESPONSIBLE PARTY SEARCH
Date Started:	08/26/09
Date Completed:	08/13/10
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	COST RECOVERY NEGOTIATIONS
Date Started:	09/16/09
Date Completed:	08/13/10
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

Action Code:	001
Action:	ADMINISTATIVE/VOLUNTARY COST RECOVERY
Date Started:	Not reported
Date Completed:	08/13/10
Priority Level:	Not reported
Operable Unit:	SITEWIDE
Primary Responsibility:	Federal Enforcement
Planning Status:	Not reported
Urgency Indicator:	Not reported
Action Anomaly:	Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

CORRACTS:

EPA ID: NCD982170292
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 02/22/2008
Action: CA550NR
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD982170292
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 02/22/2008
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD982170292
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 02/22/2008
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD982170292
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 02/22/2008
Action: CA999NF - Corrective Action Process Terminated, No Further Action
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD982170292
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 02/22/2008
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD982170292
EPA Region: 04

EQ APEX FACILITY FIRE (Continued) **1000261503**

Area Name: ENTIRE FACILITY
Actual Date: 04/01/1993
Action: CA075LO - CA Prioritization, Facility or area was assigned a low corrective action priority
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD982170292
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 12/09/1992
Action: CA050 - RFA Completed
NAICS Code(s): 56221
Waste Treatment and Disposal
Original schedule date: Not reported
Schedule end date: Not reported

PADS:
EPAID: NCD982170292
Facility name: EQ North Carolina
Facility Address: 1005 INVESTMENT BLVD
APEX, NC 27502
Facility country: US
Generator: No
Storer: Yes
Transporter: No
Disposer: No
Research facility: No
Smelter: No
Facility owner name: Environmental Quality Company
Contact title: Not reported
Contact name: Steve Resendez
Contact tel: (813)623-5302
Contact extension: 235
Mailing address: 1005 INVESTMENT BLVD
APEX, NC 27502
Mailing country: US
Cert. title: Not reported
Cert. name: Not reported
Cert. date: 6/20/1990
Date received: 7/6/1990

FINDS:

Registry ID: 110000615344

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.

EQ APEX FACILITY FIRE (Continued) **1000261503**

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

CERCLIS (Comprehensive Environmental Response, Compensation, and Liability Information System) is the Superfund database that is used to support management in all phases of the Superfund program. The system contains information on all aspects of hazardous waste sites, including an inventory of sites, planned and actual site activities, and financial information.

HAZARDOUS WASTE BIENNIAL REPORTER

NY MANIFEST:

EPA ID:	NCD982170292
Country:	USA
Mailing Name:	EQ NORTH CAROLINA
Mailing Contact:	N/S
Mailing Address:	1005 INVESTMENT BLVD
Mailing Address 2:	Not reported
Mailing City:	APEX
Mailing State:	NC
Mailing Zip:	27502
Mailing Zip4:	Not reported
Mailing Country:	USA
Mailing Phone:	919-363-4700

NY MANIFEST:

No Manifest Records Available

MANIFEST:

GEN Cert Date:	6/4/2004
Transporter Recpt Date:	6/4/2004
Number Of Containers:	3
Container Type:	DM
Waste Code1:	D007
Waste Code2:	D008
Waste Code3:	Not reported
Comment:	Not reported
Fee Exempt Code:	0
TSDF Name:	Not reported
TSDF ID:	Not reported
TSDF Date:	6/15/2004
Transporter 2 Name:	6/14/2004
Transporter 2 ID:	Not reported
Manifest Docket Number:	Not reported
Waste Description:	Not reported
Quantity:	Not reported
WT/Vol Units:	Not reported
Item Number:	Not reported
Transporter Name:	Not reported
Transporter EPA ID:	Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

GEN Cert Date:	Not reported
Transporter Recpt Date:	Not reported
Transporter 2 Recpt Date:	Not reported
TSDF Recpt Date:	Not reported
EPA ID:	Not reported
Transporter 2 ID:	Not reported

PA MANIFEST:

Year:	2006
Manifest Number:	PAH296986
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	04/11/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC AERC RECYCLING SOLUTIONS
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	919-362-9010
Page Number:	1
Line Number:	3
Waste Number:	D009
Container Number:	1
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH296986
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	04/11/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC AERC RECYCLING SOLUTIONS
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	919-362-9010
Page Number:	1
Line Number:	1
Waste Number:	D009
Container Number:	8
Container Type:	Fiberboard or plastic drums, barrels, kegs

EQ APEX FACILITY FIRE (Continued) **1000261503**

Waste Quantity:	1600
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH296986
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	04/11/2006
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	Not reported
TSD Epa Id:	PAD987367216
TSD Date:	Not reported
TSD Facility Name:	AERC COM INC AERC RECYCLING SOLUTIONS
TSD Facility Address:	2591 MITCHELL AVENUE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	919-362-9010
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	3
Container Type:	Fiberboard or plastic drums, barrels, kegs
Waste Quantity:	600
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2004
Manifest Number:	PAH093315
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	10/15/2004
Mailing Address:	1005 INVESTMENT BLVD
Mailing City,St,Zip:	APEX, NC 27502
Contact Name:	DAVID MILNER
Contact Phone:	919-362-9010
TSD Epa Id:	PAD987367216
TSD Date:	10/22/2004
TSD Facility Name:	A E R C COM ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported

EQ APEX FACILITY FIRE (Continued) **1000261503**

TSP EPA Id:	VAR000502591
Date TSP Sig:	10/15/2004
Year:	2004
Manifest Number:	PAH093315
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	10/15/2004
Mailing Address:	1005 INVESTMENT BLVD
Mailing City,St,Zip:	APEX, NC 27502
Contact Name:	DAVID MILNER
Contact Phone:	919-362-9010
TSD Epa Id:	PAD987367216
TSD Date:	10/22/2004
TSD Facility Name:	A E R C COM ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D009
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	VAR000502591
Date TSP Sig:	10/15/2004
Year:	2004
Manifest Number:	PAH093315
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	10/15/2004
Mailing Address:	1005 INVESTMENT BLVD
Mailing City,St,Zip:	APEX, NC 27502
Contact Name:	DAVID MILNER
Contact Phone:	919-362-9010
TSD Epa Id:	PAD987367216
TSD Date:	10/22/2004
TSD Facility Name:	A E R C COM ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	3
Waste Number:	D009
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD987367216
Date TSP Sig:	10/21/2004

EQ APEX FACILITY FIRE (Continued) **1000261503**

Year:	2004
Manifest Number:	PAH093315
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	10/15/2004
Mailing Address:	1005 INVESTMENT BLVD
Mailing City,St,Zip:	APEX, NC 27502
Contact Name:	DAVID MILNER
Contact Phone:	919-362-9010
TSD Epa Id:	PAD987367216
TSD Date:	10/22/2004
TSD Facility Name:	A E R C COM ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	2
Waste Number:	D009
Container Number:	1
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	250
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD987367216
Date TSP Sig:	10/21/2004

Year:	2004
Manifest Number:	PAH093315
Manifest Type:	T
Generator EPA Id:	NCD982170292
Generator Date:	10/15/2004
Mailing Address:	1005 INVESTMENT BLVD
Mailing City,St,Zip:	APEX, NC 27502
Contact Name:	DAVID MILNER
Contact Phone:	919-362-9010
TSD Epa Id:	PAD987367216
TSD Date:	10/22/2004
TSD Facility Name:	A E R C COM ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D009
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	500
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	VAR000502591
Date TSP Sig:	10/15/2004

Year:	2004
Manifest Number:	PAH093315
Manifest Type:	T

EQ APEX FACILITY FIRE (Continued) **1000261503**

Generator EPA Id:	NCD982170292
Generator Date:	10/15/2004
Mailing Address:	1005 INVESTMENT BLVD
Mailing City,St,Zip:	APEX, NC 27502
Contact Name:	DAVID MILNER
Contact Phone:	919-362-9010
TSD Epa Id:	PAD987367216
TSD Date:	10/22/2004
TSD Facility Name:	A E R C COM ADVANCED ENVIRONMENTAL RECYCLING
TSD Facility Address:	2591 MITCHELL AVE
TSD Facility City:	ALLENTOWN
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D009
Container Number:	2
Container Type:	Metal drums, barrels, kegs
Waste Quantity:	500
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	PAD987367216
Date TSP Sig:	10/21/2004

2020 COR ACTION:

EPA ID:	NCD982170292
Region:	4
Action:	Remedy Constructed

PRP:

PRP name:	EQ INDUSTRIAL SERVICES INC.
	EQ INDUSTRIAL SERVICES INC.

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29 ESE 1/2-1 0.843 mi. 4449 ft.

Relative: Lower

Actual: 425 ft.

COOPER INDS INC LUFKIN DIV
LUFKIN RD
APEX, NC 27502

RCRA-TSDF **1000346079**
CERC-NFRAP **NCD042892067**
CORRACTS
RCRA-LQG
FINDS
RAATS
MANIFEST
US FIN ASSUR
2020 COR ACTION
US AIRS

RCRA-TSDF:

Date form received by agency:	02/21/2012
Facility name:	APEX TOOL GROUP - APEX NC OPERATION
Facility address:	1000 LUFKIN ROAD APEX, NC 27539
EPA ID:	NCD042892067
Mailing address:	PO BOX 728 APEX, NC 27502
Contact:	MATT A CATON
Contact address:	PO BOX 728 APEX, NC 27502
Contact country:	US
Contact telephone:	(919) 387-2345

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Contact email:	MATT.CATON@APEXTOOLGROUP.COM
EPA Region:	04
Land type:	Private
Classification:	TSDF
Description:	Handler is engaged in the treatment, storage or disposal of hazardous waste
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:	COOPER TOOLS
Owner/operator address:	LUFKIN RD APEX, NC 27502
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	10/01/1967
Owner/Op end date:	Not reported

Owner/operator name:	COOPER TOOLS INC
Owner/operator address:	PO BOX 728 APEX, NC 27502
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	02/03/1967
Owner/Op end date:	Not reported

Owner/operator name:	COOPER TOOLS, LLC.
Owner/operator address:	LUFKIN ROAD APEX, NC 27539
Owner/operator country:	US
Owner/operator telephone:	(919) 387-2300
Legal status:	Private
Owner/Operator Type:	Owner
Owner/Op start date:	07/01/2010
Owner/Op end date:	Not reported

Owner/operator name:	COOPER HAND TOOLS APEX OPERATION
Owner/operator address:	Not reported Not reported
Owner/operator country:	US
Owner/operator telephone:	Not reported
Legal status:	Private

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Owner/Operator Type: Operator
Owner/Op start date: 02/03/1967
Owner/Op end date: Not reported

Owner/operator name: COOPER TOOLS
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: 10/01/1967
Owner/Op end date: Not reported

Owner/operator name: COOPER TOOLS, LLC.
Owner/operator address: Not reported
Not reported
Owner/operator country: Not reported
Owner/operator telephone: Not reported
Legal status: Private
Owner/Operator Type: Operator
Owner/Op start date: 07/01/2010
Owner/Op end date: Not reported

Owner/operator name: COOPER TOOLS
Owner/operator address: 670 INDUSTRIAL DR
LEXINGTON, SC 29071
Owner/operator country: Not reported
Owner/operator telephone: (803) 359-1200
Legal status: Private
Owner/Operator Type: Owner
Owner/Op start date: 01/01/0001
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: Yes
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: 06/13/2010
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS, LLC APEX OPERATION
Classification: Large Quantity Generator

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Date form received by agency: 03/05/2010
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: APEX NC OPERATION, COOPER TOOLS, INC.
Classification: Large Quantity Generator

Date form received by agency: 07/31/2008
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS
Classification: Large Quantity Generator

Date form received by agency: 02/20/2008
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS
Classification: Large Quantity Generator

Date form received by agency: 04/04/2006
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: APEX NC OPERATION, COOPER TOOLS, INC.
Classification: Large Quantity Generator

Date form received by agency: 09/29/2004
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER HAND TOOLS APEX OPERATION
Classification: Large Quantity Generator

Date form received by agency: 01/31/2002
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS APEX OPERATION
Classification: Large Quantity Generator

Date form received by agency: 10/18/2000
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS APEX OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 02/15/2000
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: LUFKIN/COOPER TOOLS
Classification: Large Quantity Generator

Date form received by agency: 11/13/1998
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: LUFKIN/COOPERTOOLS/COOPER INDUSTIRES, IN
Classification: Large Quantity Generator

Date form received by agency: 01/30/1996
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER INDUSTRIES, INC./ LUFKIN DIVISION
Classification: Large Quantity Generator

Date form received by agency: 05/18/1994
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS APEX OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 02/22/1994
Facility name: APEX TOOL GROUP - APEX NC OPERATION

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Site name: COOPER INDUSTRIES INC LUFKIN D
Classification: Large Quantity Generator

Date form received by agency: 02/29/1992
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER INDUSTRIES, INC. LUFKIN D
Classification: Large Quantity Generator

Date form received by agency: 03/26/1991
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS APEX OPERATIONS
Classification: Large Quantity Generator

Date form received by agency: 03/01/1990
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER INDUSTRIES INC LUFKIN DIV
Classification: Large Quantity Generator

Date form received by agency: 11/19/1980
Facility name: APEX TOOL GROUP - APEX NC OPERATION
Site name: COOPER TOOLS APEX OPERATIONS
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 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: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D011
Waste name: SILVER

Waste code: D035
Waste name: METHYL ETHYL KETONE

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

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

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: 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: 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: D007
Waste name: CHROMIUM

Waste code: D035
Waste name: METHYL ETHYL KETONE

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

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

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: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

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: 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: D007
Waste name: CHROMIUM

Waste code: D035
Waste name: METHYL ETHYL KETONE

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.

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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: D007
Waste name: CHROMIUM

Waste code: D008
Waste name: LEAD

Waste code: D035
Waste name: METHYL ETHYL KETONE

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

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

LISTED IN F001, F002, OR F004; AND STILL BOTTOMS FROM THE RECOVERY OF THESE SPENT SOLVENTS AND SPENT SOLVENT MIXTURES.

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.

Waste code: F008
Waste name: PLATING BATH RESIDUES FROM THE BOTTOM OF PLATING BATHS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F009
Waste name: SPENT STRIPPING AND CLEANING BATH SOLUTIONS FROM ELECTROPLATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Waste code: F010
Waste name: QUENCHING BATH RESIDUES FROM OIL BATHS FROM METAL HEAT TREATING OPERATIONS WHERE CYANIDES ARE USED IN THE PROCESS.

Biennial Reports:

Last Biennial Reporting Year: 2011

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 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.
Amount (Lbs): 1140

Waste code: D007
Waste name: CHROMIUM
Amount (Lbs): 38236

Waste code: D035
Waste name: METHYL ETHYL KETONE
Amount (Lbs): 960

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.

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Amount (Lbs): 2100

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.
Amount (Lbs): 2100

Waste code: F006
Waste name: WASTEWATER TREATMENT SLUDGES FROM ELECTROPLATING OPERATIONS EXCEPT FROM THE FOLLOWING PROCESSES: (1) SULFURIC ACID ANODIZING OF ALUMINUM; (2) TIN PLATING ON CARBON STEEL; (3) ZINC PLATING (SEGREGATED BASIS) ON CARBON STEEL; (4) ALUMINUM OR ZINC-ALUMINUM PLATING ON CARBON STEEL; (5) CLEANING/STRIPPING ASSOCIATED WITH TIN, ZINC AND ALUMINUM PLATING ON CARBON STEEL; AND (6) CHEMICAL ETCHING AND MILLING OF ALUMINUM.
Amount (Lbs): 37666

Corrective Action Summary:

Event date: 03/26/1987
Event: RFA Completed

Event date: 07/30/1987
Event: RFI Imposition

Event date: 11/02/1987
Event: RFI Workplan Received

Event date: 02/02/1989
Event: RFI Workplan Notice Of Deficiency Issued

Event date: 03/22/1989
Event: RFI Workplan Received

Event date: 01/25/1990
Event: RFI Workplan Received

Event date: 04/27/1990
Event: RFI Workplan Approved

Event date: 08/03/1990
Event: RFI Report Received

Event date: 03/31/1992
Event: CA Prioritization, Facility or area was assigned a medium corrective action priority.

Event date: 12/23/1992
Event: CA552

Event date: 01/21/1993
Event: CA552

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Event date: 03/22/1993
Event: CA552

Event date: 06/04/1993
Event: CA552

Event date: 06/24/1993
Event: CA552

Event date: 07/28/1993
Event: CA552

Event date: 07/30/1993
Event: CA552

Event date: 08/12/1993
Event: CA186

Event date: 03/09/1994
Event: CA552

Event date: 03/15/1994
Event: CA552

Event date: 03/23/1994
Event: CMS Workplan Approved

Event date: 03/28/1994
Event: RFI Report Received

Event date: 03/29/1994
Event: CMS Report Received

Event date: 03/30/1994
Event: CA552

Event date: 06/14/1994
Event: RFI Workplan Received

Event date: 06/28/1994
Event: RFI Workplan Approved

Event date: 03/01/1995
Event: CA700CM

Event date: 03/01/1995
Event: CA700RI

Event date: 09/30/1996
Event: Igration of Contaminated Groundwater under Control

Event date: 09/30/1996
Event: Current Human Exposures under Control

Event date: 01/30/1997
Event: CA186

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Event date: 01/30/1997
Event: CA336

Event date: 06/18/1998
Event: Igration of Contaminated Groundwater under Control, More information is needed to make a determination.

Event date: 06/18/1998
Event: Current Human Exposures under Control, More information is needed to make a determination.

Event date: 07/11/2007
Event: Date For Remedy Selection (CM Imposed)

Event date: 07/11/2007
Event: CA550RC

Event date: 09/24/2009
Event: Igration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified. Based on a review of information contained in the EI determination, it has been determined that migration of contaminated groundwater is under control at the facility. Specifically, this determination indicates that the migration of contaminated groundwater is under control, and that monitoring will be conducted to confirm that contaminated groundwater remains within the existing area of contaminated groundwater. This determination will be re-evaluated when the Agency becomes aware of significant changes at the facility.

Event date: 09/24/2009
Event: Current Human Exposures under Control, Yes, Current Human Exposures Under Control has been verified. Based on a review of information contained in the EI determination, current human exposures are expected to be under control at the facility under current and reasonably expected conditions. This determination will be re-evaluated when the Agency/State becomes aware of significant changes at the facility.

Facility Has Received Notices of Violations:
Regulation violated: Not reported
Area of violation: TSD IS-Ground-Water Monitoring
Date violation determined: 01/24/1990
Date achieved compliance: 01/24/1990
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: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: TSD - Financial Requirements
Date violation determined: 05/31/1989
Date achieved compliance: 07/03/1989

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Violation lead agency: State
Enforcement action: WRITTEN INFORMAL
Enforcement action date: 05/31/1989
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: State
Proposed penalty amount: 0
Final penalty amount: 0
Paid penalty amount: 0

Regulation violated: Not reported
Area of violation: Generators - General
Date violation determined: 08/08/1985
Date achieved compliance: 11/08/1985
Violation lead agency: EPA
Enforcement action: INITIAL 3008(A) COMPLIANCE
Enforcement action date: 11/06/1985
Enf. disposition status: Not reported
Enf. disp. status date: Not reported
Enforcement lead agency: EPA
Proposed penalty amount: 10000
Final penalty amount: 2000
Paid penalty amount: 0

Evaluation Action Summary:
Evaluation date: 07/26/2012
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/25/2012
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/17/2012
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/23/2011
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/24/2011
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/30/2010
Evaluation: NON-FINANCIAL RECORD REVIEW

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/15/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 10/01/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/08/2010
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/07/2010
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/06/2010
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/18/2009
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/09/2009
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/17/2009
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/26/2009
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Evaluation date: 12/18/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/25/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/19/2008
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/11/2008
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/06/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/25/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/28/2008
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/27/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/23/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/22/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Date achieved compliance: Not reported
Evaluation lead agency: EPA

Evaluation date: 06/08/2007
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/12/2007
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/19/2007
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 12/29/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/05/2006
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/26/2006
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/17/2006
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/19/2005
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/26/2005
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Evaluation date: 05/13/2004
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/19/2004
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/10/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/12/2003
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/10/2003
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/14/2002
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/26/2002
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/19/2001
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/30/2001
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/2000
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/24/2000
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/09/1999
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/26/1999
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/16/1998
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 11/13/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/26/1997
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/10/1997
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/19/1996
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/23/1996
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Evaluation date: 02/13/1996
Evaluation: FOCUSED COMPLIANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/14/1995
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/29/1995
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/03/1995
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/10/1994
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/10/1994
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/15/1994
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/01/1993
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/01/1993
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/24/1993
Evaluation: OPERATION AND MAINTENANCE INSPECTION
Area of violation: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/05/1993
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/18/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/17/1992
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1992
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/14/1992
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/16/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/16/1991
Evaluation: CORRECTIVE ACTION COMPLIANCE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/15/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/05/1991
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Evaluation date: 02/15/1991
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/17/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 06/11/1990
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/04/1990
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 02/27/1990
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/24/1990
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: TSD IS-Ground-Water Monitoring
Date achieved compliance: 01/24/1990
Evaluation lead agency: State

Evaluation date: 09/11/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 07/05/1989
Evaluation: COMPLIANCE SCHEDULE EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 05/31/1989
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: TSD - Financial Requirements
Date achieved compliance: 07/03/1989
Evaluation lead agency: State

Evaluation date: 03/06/1989
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 09/07/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 04/27/1988
Evaluation: GROUNDWATER MONITORING EVALUATION
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 03/30/1988
Evaluation: FINANCIAL RECORD REVIEW
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 01/19/1988
Evaluation: COMPLIANCE EVALUATION INSPECTION ON-SITE
Area of violation: Not reported
Date achieved compliance: Not reported
Evaluation lead agency: State

Evaluation date: 08/08/1985
Evaluation: NON-FINANCIAL RECORD REVIEW
Area of violation: Generators - General
Date achieved compliance: 11/08/1985
Evaluation lead agency: EPA

CERC-NFRAP:
Site ID: 0402747
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

CERCLIS-NFRAP Site Contact Details:
Contact Sequence ID: 4309099.00000
Person ID: 4270042.00000

Contact Sequence ID: 4356972.00000
Person ID: 4000084.00000

Contact Sequence ID: 4368496.00000
Person ID: 4270039.00000

Contact Sequence ID: 4429000.00000
Person ID: 4000312.00000

Contact Sequence ID: 4429917.00000
Person ID: 4000508.00000

Contact Sequence ID: 4537751.00000
Person ID: 4000533.00000

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Contact Sequence ID: 4702339.00000
Person ID: 4000308.00000

Contact Sequence ID: 4753005.00000
Person ID: 4000275.00000

Contact Sequence ID: 4777996.00000
Person ID: 13002428.00000

Contact Sequence ID: 4831260.00000
Person ID: 4270104.00000

Contact Sequence ID: 13093609.00000
Person ID: 4272610.00000

CERCLIS-NFRAP Site Alias Name(s):
Alias Name: COOPER INDS INC LUFKIN DIV
Alias Address: Not reported
WAKE, NC

CERCLIS-NFRAP Assessment History:
Action: DISCOVERY
Date Started: Not reported
Date Completed: 08/01/1980
Priority Level: Not reported

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 09/12/1985
Priority Level: Low priority for further assessment

Action: PRELIMINARY ASSESSMENT
Date Started: Not reported
Date Completed: 02/14/1989
Priority Level: NFRAP-Site does not qualify for the NPL based on existing information

Action: ARCHIVE SITE
Date Started: Not reported
Date Completed: 02/14/1989
Priority Level: Not reported

CORRACTS:

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 01/21/1993
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Area Name: SWMUS 2 - 13
Actual Date: 01/25/1990
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 01/30/1997
Action: CA336
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 02/02/1989
Action: CA140 - RFI Workplan Notice Of Deficiency Issued
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/01/1995
Action: CA700CM
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/01/1995
Action: CA700RI
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/22/1989
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/22/1993
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/23/1994
Action: CA300 - CMS Workplan Approved
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/28/1994
Action: CA190 - RFI Report Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 03/29/1994
Action: CA340 - CMS Report Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 03/31/1992
Action: CA075ME - CA Prioritization, Facility or area was assigned a medium corrective action priority
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 04/27/1990
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 339999

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 06/04/1993
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 06/14/1994
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 06/18/1998
Action: CA725IN - Current Human Exposures Under Control, More information is needed to make a determination
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 06/18/1998
Action: CA750IN - Migration of Contaminated Groundwater under Control, More information is needed to make a determination
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 06/24/1993
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 06/28/1994
Action: CA150 - RFI Workplan Approved
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 07/11/2007
Action: CA400 - Date For Remedy Selection (CM Imposed)
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 07/11/2007
Action: CA550RC
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 07/28/1993
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 07/30/1987
Action: CA100 - RFI Imposition
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 07/30/1993
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 08/03/1990
Action: CA190 - RFI Report Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 08/12/1993
Action: CA186
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 09/24/2009
Action: CA750YE - Migration of Contaminated Groundwater under Control, Yes, Migration of Contaminated Groundwater Under Control has been verified
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 09/24/2009
Action: CA725YE - Current Human Exposures Under Control, Yes, Current Human Exposures Under Control has been verified
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY
Actual Date: 09/30/1996
Action: CA725 - Current Human Exposures Under Control
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: ENTIRE FACILITY

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Actual Date: 09/30/1996
Action: CA750 - Migration of Contaminated Groundwater under Control
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 11/02/1987
Action: CA110 - RFI Workplan Received
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

EPA ID: NCD042892067
EPA Region: 04
Area Name: SWMUS 2 - 13
Actual Date: 12/23/1992
Action: CA552
NAICS Code(s): 339999
All Other Miscellaneous Manufacturing
Original schedule date: Not reported
Schedule end date: Not reported

FINDS:

Registry ID: 110000346803

Environmental Interest/Information System

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

The NEI (National Emissions Inventory) database contains information on stationary and mobile sources that emit criteria air pollutants and their precursors, as well as hazardous air pollutants (HAPs).

US EPA TRIS (Toxics Release Inventory System) contains information from facilities on the amounts of over 300 listed toxic chemicals that these facilities release directly to air, water, land, or that are transported off-site.

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

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

program staff to track the notification, permit, compliance, and corrective action activities required under RCRA.

NC-FITS (North Carolina - Facility Identification Template For States) is North Carolina Department of Environment and Natural Resources' (NCDENR) Facility Identification Template for States that provides a common facility identifier in order to improve accessibility to comprehensive information about environmental regulated entities in the state of North Carolina.

HAZARDOUS WASTE BIENNIAL REPORTER

CRITERIA AND HAZARDOUS AIR POLLUTANT INVENTORY

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.

PA MANIFEST:

Year:	2011
Manifest Number:	002884182FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	02/01/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	008247396JJK
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	09/20/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	18500
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	008247068JJK
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	05/13/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	008247396JJK
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	09/20/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
TSD Epa Id:	PAD010154045
TSD Date:	Not reported
TSD Facility Name:	ENVIRITE OF PENNSYLVANIA INC

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

TSD Facility Address:	730 VOGELSONG ROAD
TSD Facility City:	YORK
TSD Facility State:	PA
Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	18500
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	008247068JJK
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	05/13/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2011
Manifest Number:	002884182FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	02/01/2011
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Facility Telephone:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	002880265FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	06/29/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	22200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2010
Manifest Number:	002880265FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	06/29/2010
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Waste Number:	D007
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	22200
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2009
Manifest Number:	001992380FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	04/01/2009
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	15
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2009
Manifest Number:	001992380FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	04/01/2009
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Waste Quantity:	15
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2008
Manifest Number:	001585307FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	04/03/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2008
Manifest Number:	001586789FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	07/16/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	D007
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2008
Manifest Number:	001586789FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	07/16/2008
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-387-2345
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported
Year:	2007
Manifest Number:	001408843FLE
Manifest Type:	Not reported
Generator EPA Id:	NCD042892067
Generator Date:	01/23/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-362-7511
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	14000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Year:	2007
Manifest Number:	001582509FLE
Manifest Type:	Not reported
Generator EPA Id:	NCD042892067
Generator Date:	12/06/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-362-7511
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	30
Unit:	Cubic Yards
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2007
Manifest Number:	001585764FLE
Manifest Type:	Not reported
Generator EPA Id:	NCD042892067
Generator Date:	08/21/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-362-7511
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	11870
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2007
Manifest Number:	001584649FLE
Manifest Type:	Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Generator EPA Id:	NCD042892067
Generator Date:	04/23/2007
Mailing Address:	Not reported
Mailing City,St,Zip:	Not reported
Contact Name:	Not reported
Contact Phone:	919-362-7511
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:	Not reported
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	15400
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	001397374FLE
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	10/09/2006
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:	919-362-7511
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	15230
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH203975
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	01/06/2006
Mailing Address:	Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

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:	919-362-7511
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	20000
Unit:	Pounds
Handling Code:	Not reported
TSP EPA Id:	Not reported
Date TSP Sig:	Not reported

Year:	2006
Manifest Number:	PAH276813
Manifest Type:	T
Generator EPA Id:	NCD042892067
Generator Date:	04/11/2006
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:	919-362-7511
Page Number:	1
Line Number:	1
Waste Number:	F006
Container Number:	1
Container Type:	Metal boxes, cartons, cases (including roll-offs)
Waste Quantity:	16000
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
1 additional PA MANIFEST: record(s) in the EDR Site Report.

US FIN ASSUR:

EPA ID:	NCD042892067
Provider:	SAFECO INSURANCE COMPANY
EPA region:	4
County:	WAKE
Mechanism type:	SURETY BOND GUARANTEEING PAYMENTS TO A TRUST FUND

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Mechanism ID: Not reported
Cost estimate: 0
Face value: 555835
Effective date: 4/30/2003

EPA ID: NCD042892067
Provider: SAFECO INSURANCE COMPANY
EPA region: 4
County: WAKE
Mechanism type: SURETY BOND GUARANTEEING PAYMENTS TO A TRUST FUND
Mechanism ID: Not reported
Cost estimate: 533286
Face value: 533286
Effective date: 4/30/2003

EPA ID: NCD042892067
Provider: SAFECO INSURANCE COMPANY
EPA region: 4
County: WAKE
Mechanism type: SURETY BOND GUARANTEEING PAYMENTS TO A TRUST FUND
Mechanism ID: Not reported
Cost estimate: 555835
Face value: 555835
Effective date: 4/30/2003

EPA ID: NCD042892067
Provider: SAFECO INSURANCE COMPANY
EPA region: 4
County: WAKE
Mechanism type: SURETY BOND GUARANTEEING PAYMENTS TO A TRUST FUND
Mechanism ID: Not reported
Cost estimate: 563028
Face value: 563028
Effective date: 4/30/2003

EPA ID: NCD042892067
Provider: JPMORGAN CHASE BANK, N.A.
EPA region: 4
County: WAKE
Mechanism type: STANDBY TRUST
Mechanism ID: Not reported
Cost estimate: 0
Face value: 0
Effective date: 4/30/2003

EPA ID: NCD042892067
Provider: JPMORGAN CHASE BANK, N.A.
EPA region: 4
County: WAKE
Mechanism type: STANDBY TRUST
Mechanism ID: Not reported
Cost estimate: 533286
Face value: 0
Effective date: 4/30/2003

EPA ID: NCD042892067
Provider: JPMORGAN CHASE BANK, N.A.

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

EPA region:	4
County:	WAKE
Mechanism type:	STANDBY TRUST
Mechanism ID:	Not reported
Cost estimate:	555835
Face value:	0
Effective date:	4/30/2003

EPA ID:	NCD042892067
Provider:	JPMORGAN CHASE BANK, N.A.
EPA region:	4
County:	WAKE
Mechanism type:	STANDBY TRUST
Mechanism ID:	Not reported
Cost estimate:	563028
Face value:	0
Effective date:	4/30/2003

2020 COR ACTION:

EPA ID:	NCD042892067
Region:	4
Action:	Remedy Constructed

AIRS (AFS):

Airs Minor Details:

EPA plant ID:	110000346803
Plant name:	APEX TOOL GROUP LLC - APEX NC OPERATION
Plant address:	1000 LUFKIN ROAD APEX, NC 275398160
County:	WAKE
Region code:	04
Dunn & Bradst #:	Not reported
Air quality cntrl region:	166
Sic code:	3545
Sic code desc:	MACHINE TOOL ACCESSORIES
North Am. industrial classf:	332212
NAIC code description:	Hand and Edge Tool Manufacturing
Default compliance status:	IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Default classification:	POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Govt facility:	ALL OTHER FACILITIES NOT OWNED OR OPERATED BY A FEDERAL, STATE, OR LOCAL GOVERNMENT
Current HPV:	Not reported

Compliance and Enforcement Major Issues:

Air program:	SIP SOURCE
National action type:	Not reported
Date achieved:	00000
Penalty amount:	Not reported

Air program:	SIP SOURCE
National action type:	Not reported
Date achieved:	00000
Penalty amount:	Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

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National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Date achieved: 00000
Penalty amount: Not reported

Air program: SIP SOURCE
National action type: Not reported
Date achieved: 00000
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Air program: Not reported
National action type: Not reported
Date achieved: Not reported
Penalty amount: Not reported

Historical Compliance Minor Sources:
State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0901
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1101
Air prog code hist file: 9

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1104
Air prog code hist file: 9

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0902
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0904
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Hist compliance date: 1004
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: 0

State compliance status: IN COMPLIANCE - INSPECTION
Hist compliance date: 0901
Air prog code hist file: M

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1102
Air prog code hist file: 9

State compliance status: IN COMPLIANCE - SHUT DOWN
Hist compliance date: 1103
Air prog code hist file: 9

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0902
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0903
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0903
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 0904
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1001
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1002
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1003
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1004
Air prog code hist file: 9

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1101
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: 0

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1102
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1103
Air prog code hist file: M

State compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Hist compliance date: 1104
Air prog code hist file: M

Compliance & Violation Data by Minor Sources:
Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: TOTAL PARTICULATE MATTER
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: SULFUR DIOXIDE
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: VISIBLE EMISSIONS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: SIP SOURCE
Plant air program pollutant: VOLATILE ORGANIC COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: Not reported
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: NESHAP
Plant air program pollutant: Not reported
Default pollutant classification: Not reported
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: NESHAP
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: NSPS
Plant air program pollutant: CHROMIUM COMPOUNDS
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - SHUT DOWN
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: NSPS
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - SHUT DOWN
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

COOPER INDS INC LUFKIN DIV (Continued) **1000346079**

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE - INSPECTION
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Air program code: MACT (SECTION 63 NESHAPS)
Plant air program pollutant: Not reported
Default pollutant classification: POTENTIAL UNCONTROLLED EMISSIONS < 100 TONS/YEAR
Def. poll. compliance status: IN COMPLIANCE WITH PROCEDURAL REQUIREMENTS
Def. attainment/non attnmnt: ATTAINMENT AREA FOR GIVEN POLLUTANT
Repeat violator date: Not reported
Turnover compliance: Not reported

Count: 41 records.

ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
APEX	S109611291	SORRELLS	HC 1303		SWF/LF, Financial Assurance
APEX	U001435144	64 WEST CONVENIENT	RT 2	27502	UST
APEX	U001435565	DONNA C. PEGGS	RT 3	27502	UST
APEX	1003869135	PIERCE (LYNN) PROPERTY	RT 5	27502	CERC-NFRAP
APEX	S105219225	APEX EXXON	HWY 55 & USHY 1		LUST TRUST
APEX	1003868293	APEX SANITARY LDFL	HWY 55	27502	CERC-NFRAP
APEX	1004746407	RYDER TRUCK RENTAL INC	HWY 55	27502	RCRA-CESQG, FINDS
APEX	1004746001	CLARK PAVEMENT MARKING INC	HWY 55	27502	RCRA NonGen / NLR, FINDS
APEX	U003142660	SOUTHERN EQUIPMENT CO INC	HWY 55 E	27502	UST
APEX	S103554199	AMERICAN CONTRACT COATINGS	HWY 55		SHWS
APEX	U001434099	KENAN TRANSPORT CO INC	HWY 55 S	27502	UST
APEX	1014782861	S T WOOTEN CORPORATION/APEX PLAN	12816 HWY 64 E	27502	FINDS
APEX	1007717291	APEX CABINET COMPANY	HIGHWAY 64 & LAKE PINE DRIVE	27502	FINDS
APEX	S105912334	TRUGREEN LANDCARE	2808 HWY 64		IMD, LAST
APEX	U001434854	JORDAN LAKE MARINA	HWY 64 W	27502	UST
APEX	U003142620	GRAYSON JENKINS GORCERY	HWY 751	27502	UST
APEX	S105217989	KELLY PROPERTY	HWY 751		LUST TRUST
APEX	1009667478	TOWN OF APEX	PO BOX 250	27502	FINDS
APEX	1007700533	APEX NURSERIES. INCORPORATED	2925 NC HIGHWAY 751	27502	FINDS
APEX	1007705417	TOWN OF APEX	LAKE PINE DRIVE	27502	FINDS
APEX	1007719801	LAURA VILLAGE AMOCO FOOD SHOP	1201 LAURA VILLAGE DR	27502	FINDS
APEX	S106936185	MANGUM,MARY RESI./PRINCES GRO	456 MAIN ST		SHWS, IMD
APEX	S107405392	APEX COMMUNITY CENTER	N MASON ST		IMD
APEX	S106349204	CROWN STORE NC-045	2740 W NC HWY 55		IMD, LUST
APEX	S106936561	RANSIER DRILLING SPILL	NEW HILL OLIVE CHAPEL RD		IMD, LAST
APEX	S112168950	SOUTH WAKE TRANSFER STATION	6160 OLD SMITHFIELD RD		SWF/LF
APEX	S106196011	TUNSTALL 76	OLD US HWY		IMD
APEX	S109367232	WAKE COUNTY SOUTH WAKE MSWLF	6300 OLD SMITHFIELD RD		SWF/LF, Financial Assurance
APEX	S110117952	SOUTH WAKE CO FELTONSVILLE HHW FAC	6130 OLD SMITHFIELD RD		SWF/LF
APEX	S108280076	APEX WATER RECLAMATION FACILITY	300 PRISTINE WATERS DR	27502	NPDES
APEX	1004550895	TOWN OF APEX	300 PRISTINE WATERS DRIVE	27502	FINDS
APEX	1007695516	APEX LUMBER CO.	1502 SALEM ST	27502	FINDS
APEX	1014783847	APEX CABINET	1051 SCHIETTELIN RD	27502	FINDS
APEX	S101403962	PARKS & RECREATION/JORDAN LAKE	280 STATE PARK RD		IMD, LUST
APEX	1007722157	APEX WTP	SUPT WATER WASTEWATER	27502	FINDS
APEX	S105765343	NC DOT- APEX ROW	USHY 64	27502	LUST
APEX	S105703148	CASTLEBURY, JC PROPERTY	USHY 64		IMD, LAST
APEX	S110629329	THOMAS CONCRETE CO	USHY 1 NC55AT S		LAST
APEX	S109136341	APEX SANITARY LF	451 W		OLI
APEX	1007701853	APEX FUNERAL HOME	WILLIAMS STREET	27502	FINDS
CARY	1014956122	CVS PHARMACY #2306	2797 HWY 55	27502	RCRA-CESQG

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: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
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: 10/01/2012
Date Data Arrived at EDR: 10/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 70

Source: EPA
Telephone: N/A
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/22/2013
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
Date Data Arrived at EDR: 02/02/1994
Date Made Active in Reports: 03/30/1994
Number of Days to Update: 56

Source: EPA
Telephone: 202-564-4267
Last EDR Contact: 08/15/2011
Next Scheduled EDR Contact: 11/28/2011
Data Release Frequency: No Update Planned

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: 10/01/2012	Source: EPA
Date Data Arrived at EDR: 10/11/2012	Telephone: N/A
Date Made Active in Reports: 12/20/2012	Last EDR Contact: 01/04/2013
Number of Days to Update: 70	Next Scheduled EDR Contact: 04/22/2013
	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: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	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: 01/11/2013
Number of Days to Update: 72	Next Scheduled EDR Contact: 04/22/2013
	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: 11/02/2012	Source: EPA
Date Data Arrived at EDR: 11/28/2012	Telephone: 703-412-9810
Date Made Active in Reports: 01/07/2013	Last EDR Contact: 01/04/2013
Number of Days to Update: 40	Next Scheduled EDR Contact: 03/11/2013
	Data Release Frequency: Quarterly

Federal RCRA CORRACTS facilities list

CORRACTS: Corrective Action Report

CORRACTS identifies hazardous waste handlers with RCRA corrective action activity.

Date of Government Version: 08/19/2011
Date Data Arrived at EDR: 08/31/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 132

Source: EPA
Telephone: 800-424-9346
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

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: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 07/18/2012
Date Data Arrived at EDR: 07/24/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 104

Source: Environmental Protection Agency
Telephone: 703-603-0695
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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
Date Data Arrived at EDR: 12/11/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 31

Source: Department of the Navy
Telephone: 843-820-7326
Last EDR Contact: 11/15/2012
Next Scheduled EDR Contact: 03/04/2013
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: 04/02/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: National Response Center, United States Coast Guard
Telephone: 202-267-2180
Last EDR Contact: 01/11/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

State- and tribal - equivalent NPL

HSDS: Hazardous Substance Disposal Site

Locations of uncontrolled and unregulated hazardous waste sites. The file includes sites on the National Priority List as well as those on the state priority list.

Date of Government Version: 08/09/2011
Date Data Arrived at EDR: 11/08/2011
Date Made Active in Reports: 12/05/2011
Number of Days to Update: 27

Source: North Carolina Center for Geographic Information and Analysis
Telephone: 919-754-6580
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Biennially

State- and tribal - equivalent CERCLIS

SHWS: Inactive Hazardous Sites Inventory

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: 08/24/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/15/2012
Number of Days to Update: 26

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

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

SWF/LF: List of Solid Waste Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 09/25/2012
Date Data Arrived at EDR: 09/27/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 29

Source: Department of Environment and Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Semi-Annually

OLI: Old Landfill Inventory

Old landfill inventory location information. (Does not include no further action sites and other agency lead sites).

Date of Government Version: 07/03/2012
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 08/06/2012
Number of Days to Update: 14

Source: Department of Environment & Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Varies

State and tribal leaking storage tank lists

LUST: Regional UST Database

This database contains information obtained from the Regional Offices. It provides a more detailed explanation of current and historic activity for individual sites, as well as what was previously found in the Incident Management Database. Sites in this database with Incident Numbers are considered LUSTs.

Date of Government Version: 11/09/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/27/2012
Number of Days to Update: 43

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 11/14/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

LUST TRUST: State Trust Fund Database

This database contains information about claims against the State Trust Funds for reimbursements for expenses incurred while remediating Leaking USTs.

Date of Government Version: 10/12/2012
Date Data Arrived at EDR: 10/17/2012
Date Made Active in Reports: 11/06/2012
Number of Days to Update: 20

Source: Department of Environment and Natural Resources
Telephone: 919-733-1315
Last EDR Contact: 10/17/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Semi-Annually

LAST: Leaking Aboveground Storage Tanks
A listing of leaking aboveground storage tank site locations.

Date of Government Version: 11/09/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/27/2012
Number of Days to Update: 43

Source: Department of Environment & Natural Resources
Telephone: 877-623-6748
Last EDR Contact: 11/14/2012
Next Scheduled EDR Contact: 02/25/2013
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: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 415-972-3372
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6271
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Iowa, Kansas, and Nebraska

Date of Government Version: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 09/12/2011
Date Data Arrived at EDR: 09/13/2011
Date Made Active in Reports: 11/11/2011
Number of Days to Update: 59

Source: EPA Region 6
Telephone: 214-665-6597
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-8677
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

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: 04/12/2012
Date Data Arrived at EDR: 05/09/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 62

Source: EPA Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 10/30/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

State and tribal registered storage tank lists

UST: Petroleum Underground Storage Tank Database
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: 11/09/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/27/2012
Number of Days to Update: 43

Source: Department of Environment and Natural Resources
Telephone: 919-733-1308
Last EDR Contact: 11/14/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

AST: AST Database
Facilities with aboveground storage tanks that have a capacity greater than 21,000 gallons.

Date of Government Version: 09/24/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 11/06/2012
Number of Days to Update: 42

Source: Department of Environment and Natural Resources
Telephone: 919-715-6183
Last EDR Contact: 12/18/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Semi-Annually

INDIAN UST R6: Underground Storage Tanks on Indian Land
The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 6 (Louisiana, Arkansas, Oklahoma, New Mexico, Texas and 65 Tribes).

Date of Government Version: 05/10/2011
Date Data Arrived at EDR: 05/11/2011
Date Made Active in Reports: 06/14/2011
Number of Days to Update: 34

Source: EPA Region 6
Telephone: 214-665-7591
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Semi-Annually

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: 08/17/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 7
Telephone: 913-551-7003
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 49

Source: EPA Region 8
Telephone: 303-312-6137
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

INDIAN UST R9: Underground Storage Tanks on Indian Land

The Indian Underground Storage Tank (UST) database provides information about underground storage tanks on Indian land in EPA Region 9 (Arizona, California, Hawaii, Nevada, the Pacific Islands, and Tribal Nations).

Date of Government Version: 09/06/2012
Date Data Arrived at EDR: 09/07/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 39

Source: EPA Region 9
Telephone: 415-972-3368
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Quarterly

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: 04/12/2012
Date Data Arrived at EDR: 05/02/2012
Date Made Active in Reports: 07/16/2012
Number of Days to Update: 75

Source: EPA, Region 1
Telephone: 617-918-1313
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
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: 12/14/2011
Date Data Arrived at EDR: 12/15/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 26

Source: EPA Region 4
Telephone: 404-562-9424
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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
Date Data Arrived at EDR: 08/03/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 94

Source: EPA Region 5
Telephone: 312-886-6136
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

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: 08/01/2012
Date Data Arrived at EDR: 08/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 75

Source: EPA Region 10
Telephone: 206-553-2857
Last EDR Contact: 07/26/2012
Next Scheduled EDR Contact: 02/11/2013
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
Date Data Arrived at EDR: 02/16/2010
Date Made Active in Reports: 04/12/2010
Number of Days to Update: 55

Source: FEMA
Telephone: 202-646-5797
Last EDR Contact: 01/14/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

State and tribal institutional control / engineering control registries

INST CONTROL: No Further Action Sites With Land Use Restrictions Monitoring
A land use restricted site is a property where there are limits or requirements on future use of the property due to varying levels of cleanup possible, practical, or necessary at the site.

Date of Government Version: 08/24/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/15/2012
Number of Days to Update: 26

Source: Department of Environment, Health and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 12/17/2110
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Quarterly

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
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 10/16/2012
Number of Days to Update: 14

Source: EPA, Region 1
Telephone: 617-918-1102
Last EDR Contact: 01/04/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

INDIAN VCP R7: Voluntary Cleanup Priority Lisitng
A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008
Date Data Arrived at EDR: 04/22/2008
Date Made Active in Reports: 05/19/2008
Number of Days to Update: 27

Source: EPA, Region 7
Telephone: 913-551-7365
Last EDR Contact: 04/20/2009
Next Scheduled EDR Contact: 07/20/2009
Data Release Frequency: Varies

VCP: Responsible Party Voluntary Action Sites
Responsible Party Voluntary Action site locations.

Date of Government Version: 08/24/2012
Date Data Arrived at EDR: 09/19/2012
Date Made Active in Reports: 10/15/2012
Number of Days to Update: 26

Source: Department of Environment and Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Semi-Annually

State and tribal Brownfields sites

BROWNFIELDS: Brownfields Projects Inventory
A brownfield site is an abandoned, idled, or underused property where the threat of environmental contamination has hindered its redevelopment. All of the sites in the inventory are working toward a brownfield agreement for cleanup and liabitliy control.

Date of Government Version: 09/30/2010
Date Data Arrived at EDR: 04/15/2011
Date Made Active in Reports: 05/04/2011
Number of Days to Update: 19

Source: Department of Environment and Natural Resources
Telephone: 919-733-4996
Last EDR Contact: 01/11/2013
Next Scheduled EDR Contact: 04/22/2013
Data Release Frequency: Varies

ADDITIONAL ENVIRONMENTAL RECORDS

Local Brownfield lists

US BROWNFIELDS: A Listing of Brownfields Sites
Brownfields are real property, the expansion, redevelopment, or reuse of which may be complicated by the presence or potential presence of a hazardous substance, pollutant, or contaminant. Cleaning up and reinvesting in these properties takes development pressures off of undeveloped, open land, and both improves and protects the environment. Assessment, Cleanup and Redevelopment Exchange System (ACRES) stores information reported by EPA Brownfields grant recipients on brownfields properties assessed or cleaned up with grant funding as well as information on Targeted Brownfields Assessments performed by EPA Regions. A listing of ACRES Brownfield sites is obtained from Cleanups in My Community. Cleanups in My Community provides information on Brownfields properties for which information is reported back to EPA, as well as areas served by Brownfields grant programs.

Date of Government Version: 12/10/2012
Date Data Arrived at EDR: 12/11/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 9

Source: Environmental Protection Agency
Telephone: 202-566-2777
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 04/08/2013
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
Date Data Arrived at EDR: 08/09/2004
Date Made Active in Reports: 09/17/2004
Number of Days to Update: 39

Source: Environmental Protection Agency
Telephone: 800-424-9346
Last EDR Contact: 06/09/2004
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations
A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 01/12/2009
Date Data Arrived at EDR: 05/07/2009
Date Made Active in Reports: 09/21/2009
Number of Days to Update: 137

Source: EPA, Region 9
Telephone: 415-947-4219
Last EDR Contact: 07/03/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: No Update Planned

HIST LF: Solid Waste Facility Listing
A listing of solid waste facilities.

Date of Government Version: 11/06/2006
Date Data Arrived at EDR: 02/13/2007
Date Made Active in Reports: 03/02/2007
Number of Days to Update: 17

Source: Department of Environment & Natural Resources
Telephone: 919-733-0692
Last EDR Contact: 01/19/2009
Next Scheduled EDR Contact: 04/19/2009
Data Release Frequency: Quarterly

SWRCY: Recycling Center Listing
A listing of recycling center locations.

Date of Government Version: 08/06/2012
Date Data Arrived at EDR: 08/08/2012
Date Made Active in Reports: 09/13/2012
Number of Days to Update: 36

Source: Department of Environment & Natural Resources
Telephone: 919-707-8137
Last EDR Contact: 12/04/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

INDIAN ODI: Report on the Status of Open Dumps on Indian Lands
Location of open dumps on Indian land.

Date of Government Version: 12/31/1998
Date Data Arrived at EDR: 12/03/2007
Date Made Active in Reports: 01/24/2008
Number of Days to Update: 52

Source: Environmental Protection Agency
Telephone: 703-308-8245
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
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.

Date of Government Version: 07/11/2012
Date Data Arrived at EDR: 09/12/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 54

Source: Drug Enforcement Administration
Telephone: 202-307-1000
Last EDR Contact: 12/03/2012
Next Scheduled EDR Contact: 03/18/2013
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 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: 02/16/2012
Date Data Arrived at EDR: 03/26/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 80

Source: Environmental Protection Agency
Telephone: 202-564-6023
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
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: 04/01/2012
Date Data Arrived at EDR: 04/03/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 72

Source: U.S. Department of Transportation
Telephone: 202-366-4555
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

Other Ascertainable Records

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: 09/11/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 12/04/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: (404) 562-8651
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Varies

DOT OPS: Incident and Accident Data
Department of Transporation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 07/31/2012
Date Data Arrived at EDR: 08/07/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 42

Source: Department of Transporation, Office of Pipeline Safety
Telephone: 202-366-4595
Last EDR Contact: 11/06/2012
Next Scheduled EDR Contact: 02/18/2013
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
Date Data Arrived at EDR: 11/10/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 62

Source: USGS
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
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: 12/31/2009
Date Data Arrived at EDR: 08/12/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 112

Source: U.S. Army Corps of Engineers
Telephone: 202-528-4285
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 10/01/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 12/20/2012
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library
Telephone: Varies
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
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: 02/27/2012
Date Data Arrived at EDR: 03/14/2012
Date Made Active in Reports: 06/14/2012
Number of Days to Update: 92

Source: EPA
Telephone: 703-416-0223
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Annually

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
Date Data Arrived at EDR: 10/07/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 146

Source: Department of Energy
Telephone: 505-845-0011
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Varies

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: 08/18/2011
Date Data Arrived at EDR: 09/08/2011
Date Made Active in Reports: 09/29/2011
Number of Days to Update: 21

Source: Department of Labor, Mine Safety and Health Administration
Telephone: 303-231-5959
Last EDR Contact: 12/05/2012
Next Scheduled EDR Contact: 03/18/2013
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
Date Data Arrived at EDR: 09/01/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 131

Source: EPA
Telephone: 202-566-0250
Last EDR Contact: 11/28/2012
Next Scheduled EDR Contact: 03/11/2013
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
Date Data Arrived at EDR: 09/29/2010
Date Made Active in Reports: 12/02/2010
Number of Days to Update: 64

Source: EPA
Telephone: 202-260-5521
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA/Office of Prevention, Pesticides and Toxic Substances
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
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
Date Data Arrived at EDR: 04/16/2009
Date Made Active in Reports: 05/11/2009
Number of Days to Update: 25

Source: EPA
Telephone: 202-566-1667
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Quarterly

HIST FTTS: FIFRA/TSCA Tracking System Administrative Case Listing

A complete administrative case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2007
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

HIST FTTS INSP: FIFRA/TSCA Tracking System Inspection & Enforcement Case Listing

A complete inspection and enforcement case listing from the FIFRA/TSCA Tracking System (FTTS) for all ten EPA regions. The information was obtained from the National Compliance Database (NCDB). NCDB supports the implementation of FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act) and TSCA (Toxic Substances Control Act). Some EPA regions are now closing out records. Because of that, and the fact that some EPA regions are not providing EPA Headquarters with updated records, it was decided to create a HIST FTTS database. It included records that may not be included in the newer FTTS database updates. This database is no longer updated.

Date of Government Version: 10/19/2006
Date Data Arrived at EDR: 03/01/2007
Date Made Active in Reports: 04/10/2007
Number of Days to Update: 40

Source: Environmental Protection Agency
Telephone: 202-564-2501
Last EDR Contact: 12/17/2008
Next Scheduled EDR Contact: 03/17/2008
Data Release Frequency: No Update Planned

SSTS: Section 7 Tracking Systems

Section 7 of the Federal Insecticide, Fungicide and Rodenticide Act, as amended (92 Stat. 829) requires all registered pesticide-producing establishments to submit a report to the Environmental Protection Agency by March 1st each year. Each establishment must report the types and amounts of pesticides, active ingredients and devices being produced, and those having been produced and sold or distributed in the past year.

Date of Government Version: 12/31/2009
Date Data Arrived at EDR: 12/10/2010
Date Made Active in Reports: 02/25/2011
Number of Days to Update: 77

Source: EPA
Telephone: 202-564-4203
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
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
Date Data Arrived at EDR: 11/10/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 61

Source: Environmental Protection Agency
Telephone: 202-564-5088
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
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: 11/01/2010
Date Data Arrived at EDR: 11/10/2010
Date Made Active in Reports: 02/16/2011
Number of Days to Update: 98

Source: EPA
Telephone: 202-566-0500
Last EDR Contact: 10/19/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: Annually

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: 06/21/2011
Date Data Arrived at EDR: 07/15/2011
Date Made Active in Reports: 09/13/2011
Number of Days to Update: 60

Source: Nuclear Regulatory Commission
Telephone: 301-415-7169
Last EDR Contact: 12/10/2012
Next Scheduled EDR Contact: 03/25/2013
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: 10/02/2012
Date Data Arrived at EDR: 10/02/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 34

Source: Environmental Protection Agency
Telephone: 202-343-9775
Last EDR Contact: 01/09/2013
Next Scheduled EDR Contact: 04/22/2013
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: 10/23/2011
Date Data Arrived at EDR: 12/13/2011
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 79

Source: EPA
Telephone: (404) 562-9900
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
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
Date Data Arrived at EDR: 07/03/1995
Date Made Active in Reports: 08/07/1995
Number of Days to Update: 35

Source: EPA
Telephone: 202-564-4104
Last EDR Contact: 06/02/2008
Next Scheduled EDR Contact: 09/01/2008
Data Release Frequency: No Update Planned

RMP: Risk Management Plans

When Congress passed the Clean Air Act Amendments of 1990, it required EPA to publish regulations and guidance for chemical accident prevention at facilities using extremely hazardous substances. The Risk Management Program Rule (RMP Rule) was written to implement Section 112(r) of these amendments. The rule, which built upon existing industry codes and standards, requires companies of all sizes that use certain flammable and toxic substances to develop a Risk Management Program, which includes a(n): Hazard assessment that details the potential effects of an accidental release, an accident history of the last five years, and an evaluation of worst-case and alternative accidental releases; Prevention program that includes safety precautions and maintenance, monitoring, and employee training measures; and Emergency response program that spells out emergency health care, employee training measures and procedures for informing the public and response agencies (e.g the fire department) should an accident occur.

Date of Government Version: 05/08/2012
Date Data Arrived at EDR: 05/25/2012
Date Made Active in Reports: 07/10/2012
Number of Days to Update: 46

Source: Environmental Protection Agency
Telephone: 202-564-8600
Last EDR Contact: 11/01/2012
Next Scheduled EDR Contact: 02/11/2013
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: 12/31/2009
Date Data Arrived at EDR: 03/01/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 62

Source: EPA/NTIS
Telephone: 800-424-9346
Last EDR Contact: 11/30/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Biennially

IMD: Incident Management Database
Groundwater and/or soil contamination incidents

Date of Government Version: 07/21/2006
Date Data Arrived at EDR: 08/01/2006
Date Made Active in Reports: 08/23/2006
Number of Days to Update: 22

Source: Department of Environment and Natural Resources
Telephone: 919-733-3221
Last EDR Contact: 07/01/2011
Next Scheduled EDR Contact: 10/17/2011
Data Release Frequency: No Update Planned

UIC: Underground Injection Wells Listing
A listing of uncerground injection wells locations.

Date of Government Version: 11/13/2012
Date Data Arrived at EDR: 11/14/2012
Date Made Active in Reports: 12/27/2012
Number of Days to Update: 43

Source: Department of Environment & Natural Resources
Telephone: 919-807-6412
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Varies

DRYCLEANERS: Drycleaning Sites
Potential and known drycleaning sites, active and abandoned, that the Drycleaning Solvent Cleanup Program has knowledge of and entered into this database.

Date of Government Version: 09/12/2012
Date Data Arrived at EDR: 09/25/2012
Date Made Active in Reports: 10/25/2012
Number of Days to Update: 30

Source: Department of Environment & Natural Resources
Telephone: 919-508-8400
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/08/2013
Data Release Frequency: Varies

NPDES: NPDES Facility Location Listing
General information regarding NPDES(National Pollutant Discharge Elimination System) permits.

Date of Government Version: 05/12/2011
Date Data Arrived at EDR: 05/13/2011
Date Made Active in Reports: 06/16/2011
Number of Days to Update: 34

Source: Department of Environment & Natural Resources
Telephone: 919-733-7015
Last EDR Contact: 12/04/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

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
Date Data Arrived at EDR: 12/08/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 34

Source: USGS
Telephone: 202-208-3710
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
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
Date Data Arrived at EDR: 03/09/2011
Date Made Active in Reports: 05/02/2011
Number of Days to Update: 54

Source: Environmental Protection Agency
Telephone: 615-532-8599
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Varies

Financial Assurance 3: Financial Assurance Information
Hazardous waste financial assurance information.

Date of Government Version: 09/30/2012
Date Data Arrived at EDR: 10/19/2012
Date Made Active in Reports: 11/29/2012
Number of Days to Update: 41

Source: Department of Environment & Natural Resources
Telephone: 919-707-8222
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Varies

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: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

US AIRS MINOR: Air Facility System Data
A listing of minor source facilities.

Date of Government Version: 01/18/2012
Date Data Arrived at EDR: 01/27/2012
Date Made Active in Reports: 03/01/2012
Number of Days to Update: 34

Source: EPA
Telephone: 202-564-5962
Last EDR Contact: 12/28/2012
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Annually

FEDLAND: Federal and Indian Lands
Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 02/06/2006
Date Made Active in Reports: 01/11/2007
Number of Days to Update: 339

Source: U.S. Geological Survey
Telephone: 888-275-8747
Last EDR Contact: 10/18/2012
Next Scheduled EDR Contact: 01/28/2013
Data Release Frequency: N/A

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: 07/31/2012
Date Data Arrived at EDR: 08/13/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 36

Source: Environmental Protection Agency
Telephone: 617-520-3000
Last EDR Contact: 11/12/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

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: 08/20/2012
Date Data Arrived at EDR: 08/28/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 69

Source: Environmental Protection Agency
Telephone: 202-566-1917
Last EDR Contact: 11/16/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Quarterly

2020 COR ACTION: 2020 Corrective Action Program List

The EPA has set ambitious goals for the RCRA Corrective Action program by creating the 2020 Corrective Action Universe. This RCRA cleanup baseline includes facilities expected to need corrective action. The 2020 universe contains a wide variety of sites. Some properties are heavily contaminated while others were contaminated but have since been cleaned up. Still others have not been fully investigated yet, and may require little or no remediation. Inclusion in the 2020 Universe does not necessarily imply failure on the part of a facility to meet its RCRA obligations.

Date of Government Version: 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: 08/16/2012
Next Scheduled EDR Contact: 11/26/2012
Data Release Frequency: Varies

PCB TRANSFORMER: PCB Transformer Registration Database

The database of PCB transformer registrations that includes all PCB registration submittals.

Date of Government Version: 02/01/2011
Date Data Arrived at EDR: 10/19/2011
Date Made Active in Reports: 01/10/2012
Number of Days to Update: 83

Source: Environmental Protection Agency
Telephone: 202-566-0517
Last EDR Contact: 11/02/2012
Next Scheduled EDR Contact: 02/11/2013
Data Release Frequency: Varies

COAL ASH: Coal Ash Disposal Sites

A listing of coal combustion products distribution permits issued by the Division for the treatment, storage, transportation, use and disposal of coal combustion products.

Date of Government Version: 12/31/2007
Date Data Arrived at EDR: 08/04/2009
Date Made Active in Reports: 08/17/2009
Number of Days to Update: 13

Source: Department of Environment & Natural Resources
Telephone: 919-807-6359
Last EDR Contact: 11/05/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Varies

COAL ASH DOE: Sleam-Electric Plan Operation Data

A listing of power plants that store ash in surface ponds.

Date of Government Version: 12/31/2005
Date Data Arrived at EDR: 08/07/2009
Date Made Active in Reports: 10/22/2009
Number of Days to Update: 76

Source: Department of Energy
Telephone: 202-586-8719
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
Data Release Frequency: Varies

Financial Assurance 2: Financial Assurance Information Listing

Information for solid waste facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 10/02/2012
Date Data Arrived at EDR: 10/03/2012
Date Made Active in Reports: 10/26/2012
Number of Days to Update: 23

Source: Department of Environmental & Natural Resources
Telephone: 919-508-8496
Last EDR Contact: 01/02/2013
Next Scheduled EDR Contact: 04/15/2013
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
Date Data Arrived at EDR: 01/03/2011
Date Made Active in Reports: 03/21/2011
Number of Days to Update: 77

Source: Environmental Protection Agency
Telephone: N/A
Last EDR Contact: 12/11/2012
Next Scheduled EDR Contact: 03/25/2013
Data Release Frequency: Varies

Financial Assurance 1: Financial Assurance Information Listing
A listing of financial assurance information for underground storage tank facilities. Financial assurance is intended to ensure that resources are available to pay for the cost of closure, post-closure care, and corrective measures if the owner or operator of a regulated facility is unable or unwilling to pay.

Date of Government Version: 09/23/2011
Date Data Arrived at EDR: 10/06/2011
Date Made Active in Reports: 11/01/2011
Number of Days to Update: 26

Source: Department of Environment & Natural Resources
Telephone: 919-733-1322
Last EDR Contact: 11/14/2012
Next Scheduled EDR Contact: 02/25/2013
Data Release Frequency: Quarterly

PRP: Potentially Responsible Parties
A listing of verified Potentially Responsible Parties

Date of Government Version: 10/01/2012
Date Data Arrived at EDR: 10/04/2012
Date Made Active in Reports: 11/05/2012
Number of Days to Update: 32

Source: EPA
Telephone: 202-564-6023
Last EDR Contact: 01/03/2013
Next Scheduled EDR Contact: 04/15/2013
Data Release Frequency: Quarterly

EDR HIGH RISK HISTORICAL RECORDS

EDR Exclusive Records

EDR MGP: EDR Proprietary Manufactured Gas Plants
The EDR Proprietary Manufactured Gas Plant Database includes records of coal gas plants (manufactured gas plants) compiled by EDR's researchers. Manufactured gas sites were used in the United States from the 1800's to 1950's to produce a gas that could be distributed and used as fuel. These plants used whale oil, rosin, coal, or a mixture of coal, oil, and water that also produced a significant amount of waste. Many of the byproducts of the gas production, such as coal tar (oily waste containing volatile and non-volatile chemicals), sludges, oils and other compounds are potentially hazardous to human health and the environment. The byproduct from this process was frequently disposed of directly at the plant site and can remain or spread slowly, serving as a continuous source of soil and groundwater contamination.

Date of Government Version: N/A
Date Data Arrived at EDR: N/A
Date Made Active in Reports: N/A
Number of Days to Update: N/A

Source: EDR, Inc.
Telephone: N/A
Last EDR Contact: N/A
Next Scheduled EDR Contact: N/A
Data Release Frequency: No Update Planned

OTHER DATABASE(S)

Depending on the geographic area covered by this report, the data provided in these specialty databases may or may not be complete. For example, the existence of wetlands information data in a specific report does not mean that all wetlands in the area covered by the report are included. Moreover, the absence of any reported wetlands information does not necessarily mean that wetlands do not exist in the area covered by the report.

CT MANIFEST: Hazardous Waste Manifest Data
Facility and manifest data. Manifest is a document that lists and tracks hazardous waste from the generator through transporters to a tsd facility.

Date of Government Version: 11/19/2012
Date Data Arrived at EDR: 11/19/2012
Date Made Active in Reports: 01/03/2013
Number of Days to Update: 45

Source: Department of Energy & Environmental Protection
Telephone: 860-424-3375
Last EDR Contact: 11/19/2012
Next Scheduled EDR Contact: 03/04/2013
Data Release Frequency: Annually

NJ MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 08/28/2012
Number of Days to Update: 40

Source: Department of Environmental Protection
Telephone: N/A
Last EDR Contact: 01/15/2013
Next Scheduled EDR Contact: 04/29/2013
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: 11/01/2012
Date Data Arrived at EDR: 11/07/2012
Date Made Active in Reports: 12/11/2012
Number of Days to Update: 34

Source: Department of Environmental Conservation
Telephone: 518-402-8651
Last EDR Contact: 11/07/2012
Next Scheduled EDR Contact: 02/18/2013
Data Release Frequency: Annually

PA MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/23/2012
Date Made Active in Reports: 09/18/2012
Number of Days to Update: 57

Source: Department of Environmental Protection
Telephone: 717-783-8990
Last EDR Contact: 10/22/2012
Next Scheduled EDR Contact: 02/04/2013
Data Release Frequency: Annually

RI MANIFEST: Manifest information
Hazardous waste manifest information

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 06/22/2012
Date Made Active in Reports: 07/31/2012
Number of Days to Update: 39

Source: Department of Environmental Management
Telephone: 401-222-2797
Last EDR Contact: 11/26/2012
Next Scheduled EDR Contact: 03/11/2013
Data Release Frequency: Annually

WI MANIFEST: Manifest Information
Hazardous waste manifest information.

Date of Government Version: 12/31/2011
Date Data Arrived at EDR: 07/19/2012
Date Made Active in Reports: 09/27/2012
Number of Days to Update: 70

Source: Department of Natural Resources
Telephone: N/A
Last EDR Contact: 12/13/2012
Next Scheduled EDR Contact: 04/01/2013
Data Release Frequency: Annually

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 Facility List
Source: Department of Health & Human Services
Telephone: 919-662-4499

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.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

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.

STREET AND ADDRESS INFORMATION

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GEOCHECK ®- PHYSICAL SETTING SOURCE ADDENDUM

TARGET PROPERTY ADDRESS

APEX VILLAGE
500-610 E WILLIAMS ST
APEX, NC 27502

TARGET PROPERTY COORDINATES

Latitude (North):	35.7238 - 35˚ 43’ 25.68’’
Longitude (West):	78.8478 - 78˚ 50’ 52.08’’
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	694666.1
UTM Y (Meters):	3955250.2
Elevation:	466 ft. above sea level

USGS TOPOGRAPHIC MAP

Target Property Map:	35078-F7 APEX, NC
Most Recent Revision:	1993

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).

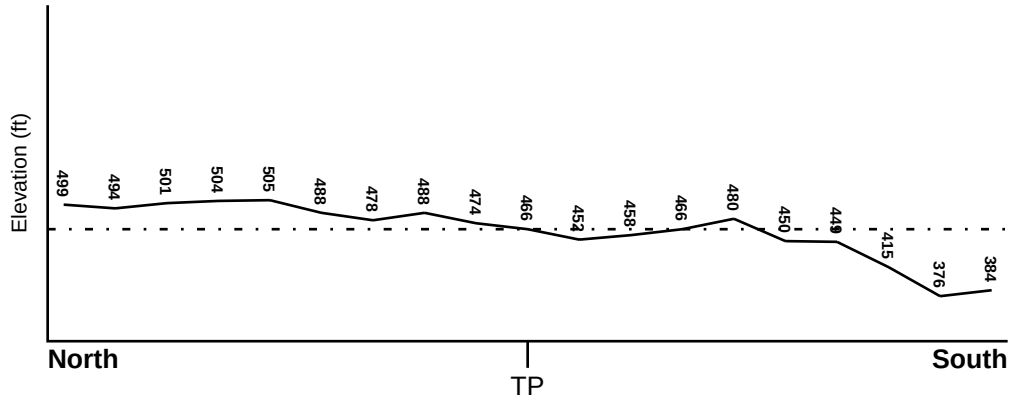
TOPOGRAPHIC INFORMATION

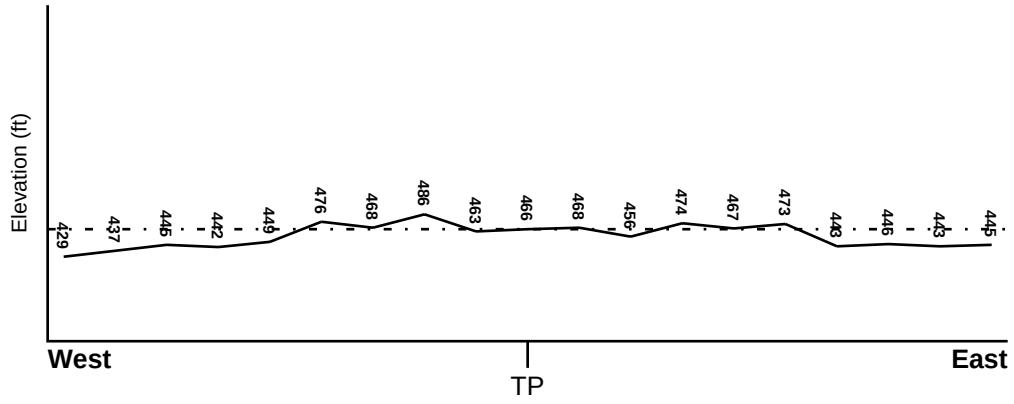
Surface topography may be indicative of the direction of surficial groundwater flow. This information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

TARGET PROPERTY TOPOGRAPHY

General Topographic Gradient: General SE

SURROUNDING TOPOGRAPHY: ELEVATION PROFILES





Target Property Elevation: 466 ft.

0 1/2 1 Miles

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

Target Property County	FEMA Flood Electronic Data
WAKE, NC	YES - refer to the Overview Map and Detail Map

Flood Plain Panel at Target Property: 37183C - FEMA DFIRM Flood data

Additional Panels in search area: Not Reported

NATIONAL WETLAND INVENTORY

NWI Quad at Target Property	NWI Electronic Data Coverage
APEX	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.

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.

MAP ID	LOCATION FROM TP	GENERAL DIRECTION GROUNDWATER FLOW
2	1/2 - 1 Mile ENE	Not Reported
4	1/2 - 1 Mile North	Not Reported
5	1/2 - 1 Mile WNW	Not Reported
6	1/2 - 1 Mile North	Not Reported
7	1/2 - 1 Mile NW	NW

For additional site information, refer to Physical Setting Source Map Findings.

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:	Paleozoic
System:	Cambrian
Series:	Cambrian
Code:	Ce *(decoded above as Era, System & Series)*

GEOLOGIC AGE IDENTIFICATION

Category: Eugeosynclinal Deposits

Geologic Age and Rock Stratigraphic Unit Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - a digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

DOMINANT SOIL COMPOSITION IN GENERAL AREA OF TARGET PROPERTY

The U.S. Department of Agriculture's (USDA) Soil Conservation Service (SCS) leads the National Cooperative Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps. The following information is based on Soil Conservation Service STATSGO data.

Soil Component Name:	MAYODAN
Soil Surface Texture:	sandy loam
Hydrologic Group:	Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.
Soil Drainage Class:	Well drained. Soils have intermediate water holding capacity. Depth to water table is more than 6 feet.

Hydric Status: Soil does not meet the requirements for a hydric soil.

Corrosion Potential - Uncoated Steel:	HIGH
Depth to Bedrock Min:	> 60 inches
Depth to Bedrock Max:	> 60 inches

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
	Boundary			Classification			
Layer	Upper	Lower	Soil Texture Class	AASHTO Group	Unified Soil	Permeability Rate (in/hr)	Soil Reaction (pH)
1	0 inches	12 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 6.00 Min: 2.00	Max: 6.00 Min: 4.50
2	12 inches	18 inches	silty clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), Lean Clay	Max: 2.00 Min: 0.60	Max: 6.00 Min: 4.50
3	18 inches	47 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Elastic silt.	Max: 2.00 Min: 0.60	Max: 5.50 Min: 4.50
4	47 inches	60 inches	variable	Not reported	Not reported	Max: 0.00 Min: 0.00	Max: 0.00 Min: 0.00

OTHER SOIL TYPES IN AREA

Based on Soil Conservation Service STATSGO data, the following additional subordinant soil types may appear within the general area of target property.

Soil Surface Textures: silt loam
fine sandy loam
clay loam
channery - silt loam
loam

Surficial Soil Types: silt loam
fine sandy loam
clay loam
channery - silt loam
loam

Shallow Soil Types: loam
sandy clay loam
clay
very channery - silt loam
silt loam

Deeper Soil Types: unweathered bedrock
weathered bedrock
loamy sand

GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

LOCAL / REGIONAL WATER AGENCY RECORDS

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

WELL SEARCH DISTANCE INFORMATION

DATABASE	SEARCH DISTANCE (miles)
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

FEDERAL USGS WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
1	USGS2233321	1/4 - 1/2 Mile SSE
8	USGS2233311	1/2 - 1 Mile SSE
9	USGS2233348	1/2 - 1 Mile ENE

FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

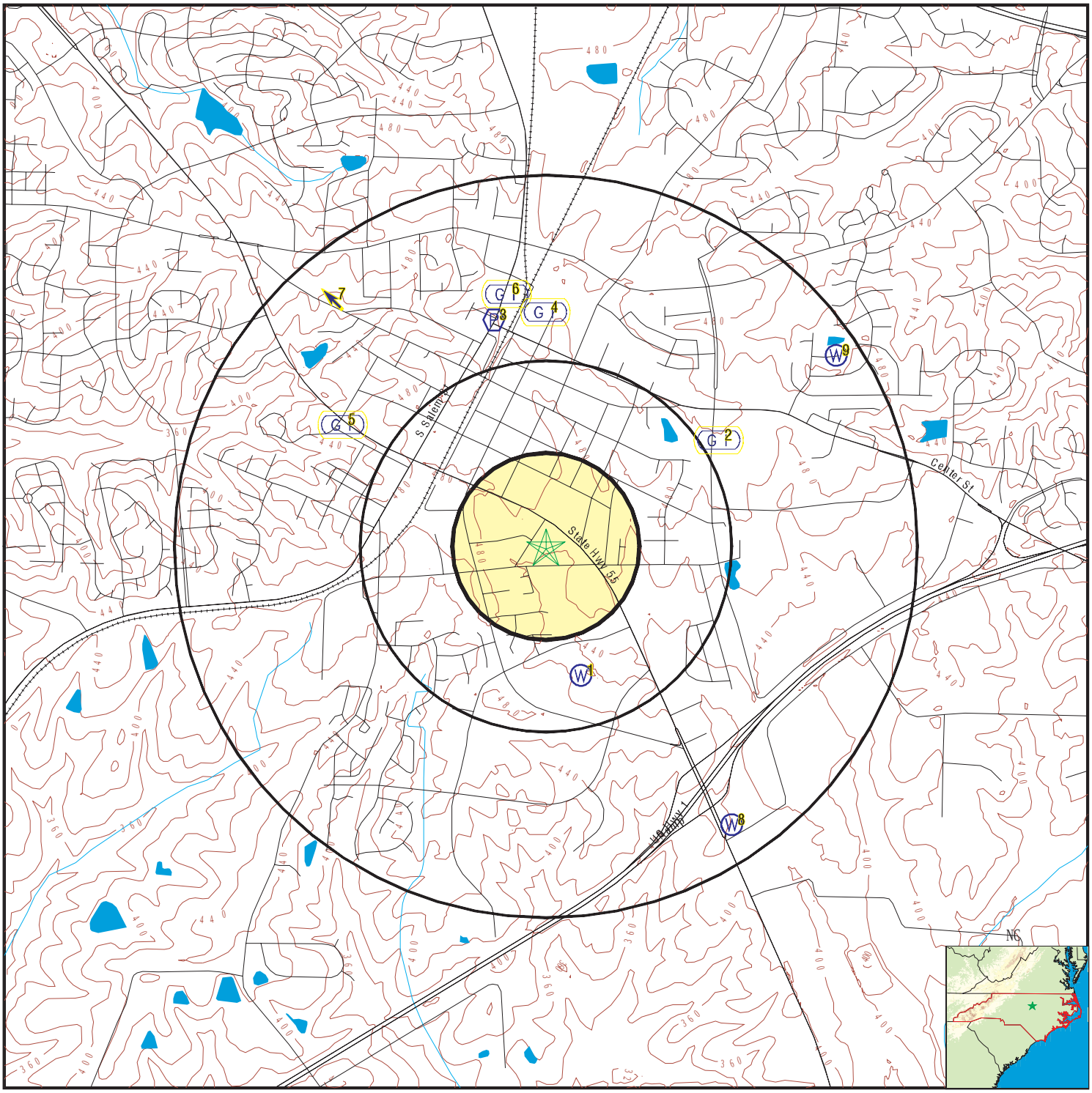
MAP ID	WELL ID	LOCATION FROM TP
3	NC0319424	1/2 - 1 Mile NNW

Note: PWS System location is not always the same as well location.

STATE DATABASE WELL INFORMATION

MAP ID	WELL ID	LOCATION FROM TP
No Wells Found		

PHYSICAL SETTING SOURCE MAP - 3495620.2s



County Boundary
Major Roads
Contour Lines
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

Wildlife Areas
Natural Areas
Rare & Endangered Species

SITE NAME: Apex Village ADDRESS: 500-610 E WILLIAMS ST Apex NC 27502 LAT/LONG: 35.7238 / 78.8478	CLIENT: Mill Creek Environmental Svc. CONTACT: Dan Centofanti INQUIRY #: 3495620.2s DATE: January 16, 2013 9:19 am

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GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID Direction Distance Elevation		Database	EDR ID Number
1 **SSE** **1/4 - 1/2 Mile** **Lower**		**FED USGS**	**USGS2233321**

Agency cd:	USGS	Site no:	354307078504701
Site name:	WK-243		
Latitude:	354307	EDR Site id:	USGS2233321
Longitude:	0785047	Dec lat:	35.7187635
Dec lon:	-78.84611934	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	183
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SEDIMENTARY ROCKS		
Well depth:	60.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

---

2 **ENE** **1/2 - 1 Mile** **Higher**	Site ID:	9026	**AQUIFLOW**	**30688**
	Groundwater Flow:	Not Reported		
	Shallowest Water Table Depth:	6.0		
	Deepest Water Table Depth:	7.0		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	10.0		
	Date:	08/17/1990		

---

3 **NNW** **1/2 - 1 Mile** **Higher**	**FRDS PWS**	**NC0319424**

Pwsid:	NC0319424	Epa region:	04
State:	NC	County:	Chatham
Pws name:	CROSSWINDS MARINA		
Population Served:	100	Pwssvcconn:	225
PWS Source:	Groundwater		
Pws type:	TNCWS		
Status:	Active	Owner type:	Private
Facility id:	25267		
Facility name:	WELL #1		
Facility type:	Well	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		
Contact name:	URQUHART, ALBERT C		
Original name:	URQUHART, ALBERT C		
Contact phone:	919-362-5391	Contact address1:	565 FARRINGTON RD
Contact address2:	Not Reported		
Contact city:	APEX		
Contact zip:	27502		

Facility id:	52864		
Facility name:	DISTRIBUTION SYSTEM		
Facility type:	Distribution_system_zone	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		

Facility id:	5950		
Facility name:	TREATMENT_PLT_WELL		
Facility type:	Treatment_plant	Treatment process:	hypochlorination, post
Treatment objective:	disinfection		

PWS ID:	NC0319424		
Date Initiated:	8508	Date Deactivated:	Not Reported
PWS Name:	CROSSWINDS MARINA APEX, NC 27582		
Addressee / Facility:	System Owner/Responsible Party ARCHIE GOSS OR MANAGER NOW RT 2 BOX 159-A APEX, NC 27582		
Addressee / Facility:	System Owner/Responsible Party JIM MIMS/ALBERT URQUHART RT 2 BOX 159-A APEX, NC 27582		

Facility Latitude:	35 45 00	Facility Longitude:	079 00 30
Facility Latitude:	35 43 57	Facility Longitude:	078 51 02
City Served:	APEX		
Treatment Class:	Treated	Population:	00000100

Violations information not reported.

ENFORCEMENT INFORMATION:

System Name:	CROSSWINDS MARINA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-01 - 1994-10-31		
Violation ID:	9505825		
Enforcement Date:	1995-02-13	Enf. Action:	State Formal NOV Issued

ENFORCEMENT INFORMATION:

System Name:	CROSSWINDS MARINA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-01 - 1994-10-31		
Violation ID:	9505825		
Enforcement Date:	1995-02-13	Enf. Action:	State Public Notif Requested
System Name:	CROSSWINDS MARINA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-01 - 1994-10-31		
Violation ID:	9505825		
Enforcement Date:	1995-02-28	Enf. Action:	State Public Notif Received
System Name:	CROSSWINDS MARINA		
Violation Type:	Monitoring, Routine Minor (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1994-10-01 - 1994-10-31		
Violation ID:	9505825		
Enforcement Date:	1995-02-28	Enf. Action:	State Compliance Achieved

---

4
North
1/2 - 1 Mile
Higher

AQUIFLOW **30707**

Site ID:	7529
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	1.1
Deepest Water Table Depth:	4.4
Average Water Table Depth:	Not Reported
Depth to rock - shallowest:	Not Reported
Depth to rock - deepest:	Not Reported
Depth to rock - average:	Not Reported
Date:	12/1996

5
WNW
1/2 - 1 Mile
Lower

AQUIFLOW **30693**

Site ID:	8224
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	Not Reported
Deepest Water Table Depth:	Not Reported
Average Water Table Depth:	19.1
Depth to rock - shallowest:	Not Reported
Depth to rock - deepest:	Not Reported
Depth to rock - average:	25.0
Date:	09/1990

6
North
1/2 - 1 Mile
Higher

AQUIFLOW **30991**

Site ID:	10974
Groundwater Flow:	Not Reported
Shallowest Water Table Depth:	4.43
Deepest Water Table Depth:	8.43
Average Water Table Depth:	Not Reported
Depth to rock - shallowest:	Not Reported
Depth to rock - deepest:	Not Reported
Depth to rock - average:	Not Reported
Date:	07/19/1996

Map ID Direction Distance Elevation			Database	EDR ID Number
7 **NW** **1/2 - 1 Mile** **Lower**	Site ID:	3381	**AQUIFLOW**	**30600**
	Groundwater Flow:	NW		
	Shallowest Water Table Depth:	Not Reported		
	Deepest Water Table Depth:	Not Reported		
	Average Water Table Depth:	Not Reported		
	Depth to rock - shallowest:	Not Reported		
	Depth to rock - deepest:	Not Reported		
	Depth to rock - average:	Not Reported		
	Date:	07/30/1998		

8
SSE
1/2 - 1 Mile
Lower

FED USGS **USGS2233311**

Agency cd:	USGS	Site no:	354246078502101
Site name:	WK-242		
Latitude:	354246	EDR Site id:	USGS2233311
Longitude:	0785021	Dec lat:	35.71293041
Dec lon:	-78.83889723	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	183
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Hilltop		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SEDIMENTARY ROCKS		
Well depth:	300.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	Not Reported	Daily flow data begin date:	Not Reported
Daily flow data end date:	Not Reported	Daily flow data count:	Not Reported
Peak flow data begin date:	Not Reported	Peak flow data end date:	Not Reported
Peak flow data count:	Not Reported	Water quality data begin date:	Not Reported
Water quality data end date:	Not Reported	Water quality data count:	Not Reported
Ground water data begin date:	Not Reported	Ground water data end date:	Not Reported
Ground water data count:	Not Reported		

Ground-water levels, Number of Measurements: 0

9
ENE
1/2 - 1 Mile
Higher

FED USGS **USGS2233348**

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Agency cd:	USGS	Site no:	354352078500301
Site name:	WK-129		
Latitude:	354352	EDR Site id:	USGS2233348
Longitude:	0785003	Dec lat:	35.73126329
Dec lon:	-78.83389641	Coor meth:	M
Coor accr:	S	Latlong datum:	NAD27
Dec latlong datum:	NAD83	District:	37
State:	37	County:	183
Country:	US	Land net:	Not Reported
Location map:	Not Reported	Map scale:	Not Reported
Altitude:	Not Reported		
Altitude method:	Not Reported		
Altitude accuracy:	Not Reported		
Altitude datum:	Not Reported		
Hydrologic:	Not Reported		
Topographic:	Flat surface		
Site type:	Ground-water other than Spring	Date construction:	Not Reported
Date inventoried:	Not Reported	Mean greenwich time offset:	EST
Local standard time flag:	Y		
Type of ground water site:	Single well, other than collector or Ranney type		
Aquifer Type:	Not Reported		
Aquifer:	SEDIMENTARY ROCKS		
Well depth:	157.0	Hole depth:	Not Reported
Source of depth data:	reporting agency (generally USGS)		
Project number:	453709900		
Real time data flag:	0	Daily flow data begin date:	0000-00-00
Daily flow data end date:	0000-00-00	Daily flow data count:	0
Peak flow data begin date:	0000-00-00	Peak flow data end date:	0000-00-00
Peak flow data count:	0	Water quality data begin date:	0000-00-00
Water quality data end date:	0000-00-00	Water quality data count:	0
Ground water data begin date:	1968-00-00	Ground water data end date:	1968-00-00
Ground water data count:	1		

Ground-water levels, Number of Measurements: 1

Date	Feet below Surface	Feet to Sealevel
1968	120	

GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS
RADON

AREA RADON INFORMATION

State Database: NC Radon

Radon Test Results

Num Results	Avg pCi/L	Min pCi/L	Max pCi/L
14	1.32	0.3	2.4
5	0.64	0.3	1.8

Federal EPA Radon Zone for WAKE County: 2

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

Federal Area Radon Information for Zip Code: 27502

Number of sites tested: 2

Area	Average Activity	% <4 pCi/L	% 4-20 pCi/L	% >20 pCi/L
Living Area - 1st Floor	0.600 pCi/L	100%	0%	0%
Living Area - 2nd Floor	Not Reported	Not Reported	Not Reported	Not Reported
Basement	Not Reported	Not Reported	Not Reported	Not Reported

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.

State Wetlands Data: Wetlands Inventory
Source: Department of Environment & Natural Resources
Telephone: 919-733-2090

HYDROGEOLOGIC INFORMATION

AQUIFLOW[R] Information System
Source: EDR proprietary database of groundwater flow information
EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

GEOLOGIC INFORMATION

Geologic Age and Rock Stratigraphic Unit
Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

STATSGO: State Soil Geographic Database
Source: Department of Agriculture, Natural Resources Conservation Services
The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

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.

STATE RECORDS

North Carolina Public Water Supply Wells
Source: Department of Environmental Health
Telephone: 919-715-3243

OTHER STATE DATABASE INFORMATION

NC Natural Areas: Significant Natural Heritage Areas
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A polygon converage identifying sites (terrestrial or aquatic that have particular biodiversity significance. A site's significance may be due to the presenceof rare species, rare or hight quality natural communities, or other important ecological features.

NC Game Lands: Wildlife Resources Commission Game Lands
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
All publicly owned game lands managed by the North Carolina Wildlife Resources Commission and as listed in Hunting and Fishing Maps.

NC Natural Heritage Sites: Natural Heritage Element Occurrence Sites
Source: Center for Geographic Information and Analysis
Telephone: 919-733-2090
A point coverage identifying locations of rare and endangered species, occurrences of exemplary or unique natural ecosystems (terrestrial or aquatic), and special animal habitats (e.g., colonial waterbird nesting sites).

RADON

State Database: NC Radon
Source: Department of Environment & Natural Resources
Telephone: 919-733-4984
Radon Statistical and Non Statiscal Data

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.

PHYSICAL SETTING SOURCE RECORDS SEARCHED

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.

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

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APPENDIX I

LOCAL AGENCY CONTACT LETTERS

January 22, 2013

Wake County Fire Services
Wake County Public Safety Center
331 South McDowell Street
Raleigh, North Carolina 27602

Subject: **Apex Village**
500-610 East Williams Street
Apex, North Carolina 27501

Attention: Chief Raymond L. Echevarria

Dear Chief Echevarria,

Mill Creek Environmental Services, Inc. (MCES) is in the process of completing a Phase I Environmental Site Assessment for the above-referenced location. As required by ASTM standards, this letter is being sent to request any historical or regulatory information you may have regarding the following items:

- Storage or accidental release of hazardous substances;
- Storage or accidental release of petroleum products;
- Underground storage tanks;
- Aboveground storage tanks; and
- Any other information related to environmental issues.

Please send any relevant information to:

Mill Creek Environmental Services, Inc.
1818 Perimeter Road
Dawsonville, Georgia 30534

Your assistance with this matter is greatly appreciated. If you have any questions or information regarding this site, please contact the undersigned at 706-579-1607.

Sincerely,
Mill Creek Environmental Services, Inc.

Kerry Benson
Project Biologist

January 22, 2013

Department of Environmental Services
Wake County Office Building
P.O. Box 550
Raleigh, North Carolina 27602

Subject: **Apex Village**
500-610 East Williams Street
Apex, North Carolina 27501

Attention: Environmental Health Officer

Dear Health Officer,

Mill Creek Environmental Services, Inc. (MCES) is in the process of completing a Phase I Environmental Site Assessment for the above-referenced location. As required by ASTM standards, this letter is being sent to request any historical or regulatory information you may have regarding the following items:

- Storage or accidental release of hazardous substances;
- Storage or accidental release of petroleum products;
- Underground storage tanks;
- Aboveground storage tanks; and
- Any other information related to environmental issues.

Please send any relevant information to:

Mill Creek Environmental Services, Inc.
1818 Perimeter Road
Dawsonville, Georgia 30534

Your assistance with this matter is greatly appreciated. If you have any questions or information regarding this site, please contact the undersigned at 706-579-1607.

Sincerely,
Mill Creek Environmental Services, Inc.

Kerry Benson
Project Biologist

APPENDIX J

SOIL BORING LOGS AND CHAIN-OF-CUSTODY RECORDS

LOG OF SOIL BORING

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	Apex Village	Boring No.:	S-1 / GW-1
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	17 FT
Date Installed:	1-23-15	Well Diam.:	
Installed By:	BEN TROXLER	Screen Length:	5 FT TEMPORARY
Drilling Company:	TROXLER GEOLOGIC	Screen Material:	1" PVC
Boring Depth:	18FT	Slot Size:	.001
Boring Diam.:	2.5"	GW Level:	8.5
Drilling Method:	DIRECT PUSH	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
1		ORANGE TAN SILTY SAND								
2								0		
3										
4								0		
5	8.5	RED-ORANGE CLAYEY SILT								
6	GW DEPTH							0		
7										
8	↓ AFTER 15 MINUTES							0		- PETROLEUM DIESEL ODOR AT 8-10FT
9	↑	TAN-ORANGE								
10		SILTY CLAY						0		
		TAN-ORANGE SILTY COARSE SAND MOIST-WET						0		- DISAPPEARS AT DEPTH
								0		
15										- ODOR IN GROUNDWATER
								0		
		BORING TERMINATED								NO
20		GW MEASURED AT 9 FT AFTER WELL SET FOR 15 MINUTES								
25										
		S-1 SAMPLE TAKEN AT 6.0 FT								
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

LOG OF SOIL BORING

Page____ of____

MILL CREEK ENVIRONMENTAL SERVICES
1618 Perimeter Road
Dawsonville, Georgia 30534
706-579-1807

Client:	Apex Village	Boring No.:	S-2 / GW-2
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	13 FT
Date Installed:	1-23-13	Well Diam.:	1" PVC
Installed By:	BEN TROXLER	Screen Length:	5 FT
Drilling Company:	TROXLER GEOLOGIC	Screen Material:	PVC
Boring Depth:	16 FT	Slot Size:	.001"
Boring Diam.:	2.5	GW Level:	10 FT
Drilling Method:	DIRECT PUSH	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		BROWN - GRAY CLAYEY SAND COARSE						5		
5								25		
		TAN-ORANGE CLAYEY MED SAND						5		
	10 FT GW DEPTH							0		
10								0		
		RED ORANGE SILTY MED SAND (moist)						0		
								0		
15		RED ORANGE SILTY FINE SAND (WET)								
	BORING TERMINATED @ 16 FT									
20										
25		S-2 SAMPLE TAKEN AT 5 FT								
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

LOG OF SOIL BORING

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	Apex Village	Boring No.:	S-3
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	15 FT
Date Installed:	1-23-13	Well Diam.:	1"
Installed By:	BEN TROXLER	Screen Length:	5 FT
Drilling Company:	TROXLER GEOLOGIC	Screen Material:	1" PVC
Boring Depth:	16 FT	Slot Size:	.001"
Boring Diam.:		GW Level:	9.30
Drilling Method:	DIRECT PUSH	TOC Elev.:	

N/A

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		ASHALT								
		ORANGE-TAN SILTY MED SAND						0		
								0		
5		ORANGE-TAN CLAYEY FINE SAND						0		
	9.3 GW DEPTH AFTER 20 MINUTES	TAN-ORANGE SILTY MED (MOIST) SAND						0		
10								0		
								0		
		TAN-ORANGE SILTY FINE SAND (WET)						0		
15										
		BORING TERMINATED						0		
20		NO ODOR								
25		S-3 SAMPLE TAKEN AT 7.0 FT								
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

MCESBLOG_.bgc

LOG OF SOIL BORING

GW-3

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1807

Client:	Apex Village	Boring No.:	GW-3
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	15 FT
Date Installed:	1-23-13	Well Diam.:	1"
Installed By:	BEN TROXEL	Screen Length:	5 FT
Drilling Company:	TROXEL GEOLOGIC	Screen Material:	1" PVC
Boring Depth:	16 FT	Slot Size:	.001
Boring Diam.:	2.5	GW Level:	
Drilling Method:	DIRECT PUSH	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		TAN SILTY COARSE SAND						0		
		ORANGE - RED CLAYEY FINE SAND						0		
5								0		
	9.0' GW DEPTH							0		
10		ORANGE - RED SILTY COARSE SAND moist wet						0		
								0		
15								0		
		BORING TERMINATED @ 16.0						0		
20										
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

MCEELOG_log

LOG OF SOIL BORING

GW-4

MILL CREEK
ENVIRONMENTAL SERVICES
1810 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	Apex Village	Boring No.:	
Job No.:		Well Number:	
Job Name:		Well Depth:	15 FT
Date Installed:	1-23-13	Well Diam.:	
Installed By:	BEN TROXLER	Screen Length:	5 FT
Drilling Company:	TROXLER GEOLOGY	Screen Material:	1" PVC
Boring Depth:	16 FT	Slot Size:	.001
Boring Diam.:		GW Level:	10 FT
Drilling Method:		TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		TAN-ORANGE MED SILTY SAND						0		
								0		
5										
		TAN-ORANGE CLAYEY FINE SAND (moist)						0		
	10 FT GW DEPTH AFTER 10 MIN									
10		TAN-BROWN CLAYEY MED SAND (WET)						0		
								0		
								0		
15										
		BORING TERMINATED @ 16.0						0		
20										
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

XENCO Laboratories

☐ 3231 NW 7th Ave, Boca Raton, Fl 33431 561-447-7373
☐ 2505 Falkenburg Rd, Tampa, Fl 33569 813-620-2000
☐ 6017 Financial Drive, Norcross, Georgia 30071 770-449-8800
☐ Philadephia/New Jersey 610-955-5649
☐ South Carolina 803-543-8099 ☐ Other

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 259998 Page of

Company-City: MILL CREEK
Phone: 706-579-1607
Lab Only:

Proj Name-Location: APEX VILLAGE ☐ Previously done at XENCO
Project ID: AV-1301-2

TAT: ASAP 5h 12h (24h) 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, TX, UT Other
Proj. Manager (PM): DAN CENTFANTI

e-Mail Results to ☐ PM or
Fax No:
millcreek1@windstream.net

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O Bill to:

Quote/Pricing: P.O No: ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW GA HSRA

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name: Signature:

	Sample ID	Sampling Date	Time	Depth ft in m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOCs PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	FL PRO DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest Herb PCBs)	EDB / DBCP	EPA 8260	% moisture	TATASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Remarks: Sample Clean-ups are pre-approved as needed	Addn:
1	S-1	1-23-13	12:00PM				X	4													X	X					
2	S-2	1-23-13	3:00PM				X	4													X	X					
3	S-3	1-23-13	5:00PM				X	4													X	X					
4																											
5	GW-1	1-23-13	12:00PM				X	3													X						
6	GW-2	1-23-13	3:00PM				X	3													X						
7	GW-3	1-23-13	4:00PM				X	3													X						
8	GW-4	1-23-13	4:30PM				X	3													X						
9																											
10																											

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BJT	7:30PM 1-23-13		
3)		4)	
5)		6)	

Total Containers per COC: Cooler Temp:

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved.

Preservatives: Various (V), HCl pH<2 (H), H2SO4 pH<2 (S), HNO3 pH<2 (N), Asbc Acid&NaOH (A), ZnAc&NaOH (Z), (Cool,<4C) (C), None (NA), See Label (L), Other (O) _____

Cont. Size: 4oz (4), 8oz (8), 32oz (32), 40ml VOA (40), 1L (1), 500ml (5), Tedlar Bag (B), Various (V), Other _____ Cont. Type: Glass Amb (A), Glass Clear (C), Plastic (P), Various (V)

Matrix: Air (A), Product (P), Solid(S), Water (W), Liquid (L)

Committed to Excellence in Service and Quality www.xenco.com

Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previoiusly negotiated under a fully executed client contract.

APPENDIX K

LABORATORY ANALYTICAL REPORTS

Analytical Report 456260

for

Mill Creek Environmental Services

Project Manager: Dan Centofanti

Apex Village

AV-1301-2

25-JAN-13

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

25-JAN-13

Project Manager: **Dan Centofanti**
Mill Creek Environmental Services
1818 Perimeter Road
Dawsonville, GA 30534

Reference: XENCO Report No(s): **456260**
Apex Village
Project Address: NC

Dan Centofanti:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 456260. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 456260 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

David C. Fuller
Client Services Director

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
S-1	S	01-23-13 12:00		456260-001
S-2	S	01-23-13 15:00		456260-002
S-3	S	01-23-13 17:00		456260-003
GW-1	W	01-23-13 12:00		456260-004
GW-2	W	01-23-13 15:00		456260-005
GW-3	W	01-23-13 16:00		456260-006
GW-4	W	01-23-13 16:30		456260-007

Hits Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **S-1** Matrix: **Soil** % Moisture: **16.53**

Lab Sample Id: **456260-001** Date Collected: **01.23.13 12.00** Basis: **Dry Weight**

Date Received: **01.24.13 10.20**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 905403 Date Prep: 01.24.13 07.23

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.00833	mg/kg	01.24.13 11.43	J	1

Hits Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **S-2** Matrix: **Soil** % Moisture: **16**

Lab Sample Id: **456260-002** Date Collected: **01.23.13 15.00** Basis: **Dry Weight**

Date Received: **01.24.13 10.20**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 905403 Date Prep: 01.24.13 07.23

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,2,4-Trimethylbenzene	95-63-6	0.00595	mg/kg	01.24.13 13.37		1
Acetone	67-64-1	0.0483	mg/kg	01.24.13 13.37		1
Isopropylbenzene	98-82-8	0.00212	mg/kg	01.24.13 13.37		1
Naphthalene	91-20-3	0.00321	mg/kg	01.24.13 13.37		1
n-Propylbenzene	103-65-1	0.00143	mg/kg	01.24.13 13.37		1
sec-Butylbenzene	135-98-8	0.00119	mg/kg	01.24.13 13.37		1

Hits Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-1** Matrix: **Water** % Moisture:

Lab Sample Id: **456260-004** Date Collected: **01.23.13 12.00**

Date Received: **01.24.13 10.20**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 905423 Date Prep: 01.24.13 06.52

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,2,4-Trimethylbenzene	95-63-6	3.44	ug/L	01.24.13 11.15		1
1,3,5-Trimethylbenzene	108-67-8	1.22	ug/L	01.24.13 11.15		1
Naphthalene	91-20-3	8.68	ug/L	01.24.13 11.15		1

Hits Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-2** Matrix: **Water** % Moisture:

Lab Sample Id: **456260-005** Date Collected: **01.23.13 15.00**

Date Received: **01.24.13 10.20**

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 905423 Date Prep: 01.24.13 06.52

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
1,2,4-Trimethylbenzene	95-63-6	2.90	ug/L	01.24.13 11.43		1
m,p-Xylenes	179601-23-1	0.660	ug/L	01.24.13 11.43	J	1
Naphthalene	91-20-3	8.35	ug/L	01.24.13 11.43		1
o-Xylene	95-47-6	1.39	ug/L	01.24.13 11.43		1
Tetrachloroethene	127-18-4	1.08	ug/L	01.24.13 11.43		1

Certificate of Analytical Results 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **S-1** Matrix: Soil Date Received: 01.24.13 10.20

Lab Sample Id: **456260-001** Date Collected: 01.23.13 12.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Tech: BAT % Moisture: 16.53

Analyst: MLA Date Prep: 01.24.13 07.23 Basis: Dry Weight

Seq Number: 905403

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.000858	0.000646	mg/kg	01.24.13 11.43	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.00172	0.00102	mg/kg	01.24.13 11.43	U	1
1,1,2-Trichloroethane	79-00-5	U	0.000858	0.000575	mg/kg	01.24.13 11.43	U	1
1,1-Dichloroethane	75-34-3	U	0.000858	0.000688	mg/kg	01.24.13 11.43	U	1
1,1-Dichloroethene	75-35-4	U	0.00172	0.000996	mg/kg	01.24.13 11.43	U	1
1,1-Dichloropropene	563-58-6	U	0.000858	0.000463	mg/kg	01.24.13 11.43	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.000858	0.000493	mg/kg	01.24.13 11.43	U	1
1,2,3-Trichloropropane	96-18-4	U	0.00172	0.00141	mg/kg	01.24.13 11.43	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.000858	0.000749	mg/kg	01.24.13 11.43	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.000858	0.000618	mg/kg	01.24.13 11.43	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.000858	0.000741	mg/kg	01.24.13 11.43	U	1
1,2-Dichlorobenzene	95-50-1	U	0.00172	0.00111	mg/kg	01.24.13 11.43	U	1
1,2-Dichloroethane	107-06-2	U	0.000858	0.000512	mg/kg	01.24.13 11.43	U	1
1,2-Dichloropropane	78-87-5	U	0.000858	0.000797	mg/kg	01.24.13 11.43	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.000858	0.000699	mg/kg	01.24.13 11.43	U	1
1,3-Dichlorobenzene	541-73-1	U	0.000858	0.000856	mg/kg	01.24.13 11.43	U	1
1,3-Dichloropropane	142-28-9	U	0.000858	0.000590	mg/kg	01.24.13 11.43	U	1
1,4-Dichlorobenzene	106-46-7	U	0.000858	0.000587	mg/kg	01.24.13 11.43	U	1
2,2-Dichloropropane	594-20-7	U	0.000858	0.000514	mg/kg	01.24.13 11.43	U	1
2-Butanone (MEK)	78-93-3	U	0.00858	0.00781	mg/kg	01.24.13 11.43	U	1
2-Chlorotoluene	95-49-8	U	0.000858	0.000608	mg/kg	01.24.13 11.43	U	1
2-Hexanone	591-78-6	U	0.00858	0.000969	mg/kg	01.24.13 11.43	U	1
4-Chlorotoluene	106-43-4	U	0.000858	0.000475	mg/kg	01.24.13 11.43	U	1
4-Isopropyltoluene	99-87-6	U	0.000858	0.000687	mg/kg	01.24.13 11.43	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.00858	0.00277	mg/kg	01.24.13 11.43	U	1
Acetone	67-64-1	**0.00833**	0.00858	0.00590	mg/kg	01.24.13 11.43	J	1
Benzene	71-43-2	U	0.000858	0.000440	mg/kg	01.24.13 11.43	U	1
Bromobenzene	108-86-1	U	0.000858	0.000733	mg/kg	01.24.13 11.43	U	1
Bromochloromethane	74-97-5	U	0.00172	0.000863	mg/kg	01.24.13 11.43	U	1
Bromodichloromethane	75-27-4	U	0.000858	0.000430	mg/kg	01.24.13 11.43	U	1
Bromoform	75-25-2	U	0.000858	0.000823	mg/kg	01.24.13 11.43	U	1
Bromomethane	74-83-9	U	0.00429	0.00211	mg/kg	01.24.13 11.43	U	1
Carbon tetrachloride	56-23-5	U	0.000858	0.000637	mg/kg	01.24.13 11.43	U	1
Chlorobenzene	108-90-7	U	0.000858	0.000497	mg/kg	01.24.13 11.43	U	1
Chlorodibromomethane	124-48-1	U	0.000858	0.000853	mg/kg	01.24.13 11.43	U	1
Chloroethane	75-00-3	U	0.00429	0.00210	mg/kg	01.24.13 11.43	U	1
Chloroform	67-66-3	U	0.000858	0.000636	mg/kg	01.24.13 11.43	U	1
Chloromethane	74-87-3	U	0.00429	0.00198	mg/kg	01.24.13 11.43	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.000858	0.000568	mg/kg	01.24.13 11.43	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.000858	0.000463	mg/kg	01.24.13 11.43	U	1
Dichlorodifluoromethane	75-71-8	U	0.00172	0.00101	mg/kg	01.24.13 11.43	U	1

Certificate of Analytical Results 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **S-1** Matrix: Soil Date Received: 01.24.13 10.20

Lab Sample Id: **456260-001** Date Collected: 01.23.13 12.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Tech: BAT % Moisture: 16.53

Analyst: MLA Date Prep: 01.24.13 07.23 Basis: Dry Weight

Seq Number: 905403

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	0.0429	0.0240	mg/kg	01.24.13 11.43	U	1
Ethylbenzene	100-41-4	U	0.000858	0.000485	mg/kg	01.24.13 11.43	U	1
Isopropyl Ether	108-20-3	U	0.00172	0.00109	mg/kg	01.24.13 11.43	U	1
Isopropylbenzene	98-82-8	U	0.000858	0.000651	mg/kg	01.24.13 11.43	U	1
m,p-Xylenes	179601-23-1	U	0.00172	0.00104	mg/kg	01.24.13 11.43	U	1
Methyl tert-butyl ether	1634-04-4	U	0.00172	0.000595	mg/kg	01.24.13 11.43	U	1
Methylene chloride	75-09-2	U	0.00429	0.00186	mg/kg	01.24.13 11.43	U	1
Naphthalene	91-20-3	U	0.00172	0.00112	mg/kg	01.24.13 11.43	U	1
n-Butylbenzene	104-51-8	U	0.000858	0.000757	mg/kg	01.24.13 11.43	U	1
n-Propylbenzene	103-65-1	U	0.000858	0.000671	mg/kg	01.24.13 11.43	U	1
o-Xylene	95-47-6	U	0.000858	0.000614	mg/kg	01.24.13 11.43	U	1
sec-Butylbenzene	135-98-8	U	0.000858	0.000564	mg/kg	01.24.13 11.43	U	1
Styrene	100-42-5	U	0.000858	0.000637	mg/kg	01.24.13 11.43	U	1
tert-Butylbenzene	98-06-6	U	0.000858	0.000716	mg/kg	01.24.13 11.43	U	1
Tetrachloroethene	127-18-4	U	0.00172	0.000889	mg/kg	01.24.13 11.43	U	1
Toluene	108-88-3	U	0.000858	0.000505	mg/kg	01.24.13 11.43	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.000858	0.000669	mg/kg	01.24.13 11.43	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.000858	0.000575	mg/kg	01.24.13 11.43	U	1
Trichloroethene	79-01-6	U	0.000858	0.000607	mg/kg	01.24.13 11.43	U	1
Trichlorofluoromethane	75-69-4	U	0.00429	0.00301	mg/kg	01.24.13 11.43	U	1
Vinyl acetate	108-05-4	U	0.00429	0.000619	mg/kg	01.24.13 11.43	U	1
Vinyl chloride	75-01-4	U	0.00429	0.00172	mg/kg	01.24.13 11.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	76	%	50-150	01.24.13 11.43	
4-Bromofluorobenzene	460-00-4	101	%	57-158	01.24.13 11.43	
Toluene-D8	2037-26-5	104	%	50-150	01.24.13 11.43	

Certificate of Analytical Results 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **S-2** Matrix: Soil Date Received: 01.24.13 10.20

Lab Sample Id: **456260-002** Date Collected: 01.23.13 15.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Tech: BAT % Moisture: 16

Analyst: MLA Date Prep: 01.24.13 07.23 Basis: Dry Weight

Seq Number: 905403

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.000932	0.000701	mg/kg	01.24.13 13.37	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.00186	0.00111	mg/kg	01.24.13 13.37	U	1
1,1,2-Trichloroethane	79-00-5	U	0.000932	0.000624	mg/kg	01.24.13 13.37	U	1
1,1-Dichloroethane	75-34-3	U	0.000932	0.000747	mg/kg	01.24.13 13.37	U	1
1,1-Dichloroethene	75-35-4	U	0.00186	0.00108	mg/kg	01.24.13 13.37	U	1
1,1-Dichloropropene	563-58-6	U	0.000932	0.000502	mg/kg	01.24.13 13.37	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.000932	0.000535	mg/kg	01.24.13 13.37	U	1
1,2,3-Trichloropropane	96-18-4	U	0.00186	0.00153	mg/kg	01.24.13 13.37	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.000932	0.000813	mg/kg	01.24.13 13.37	U	1
1,2,4-Trimethylbenzene	95-63-6	**0.00595**	0.000932	0.000671	mg/kg	01.24.13 13.37		1
1,2-Dibromoethane (EDB)	106-93-4	U	0.000932	0.000804	mg/kg	01.24.13 13.37	U	1
1,2-Dichlorobenzene	95-50-1	U	0.00186	0.00120	mg/kg	01.24.13 13.37	U	1
1,2-Dichloroethane	107-06-2	U	0.000932	0.000556	mg/kg	01.24.13 13.37	U	1
1,2-Dichloropropane	78-87-5	U	0.000932	0.000865	mg/kg	01.24.13 13.37	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.000932	0.000758	mg/kg	01.24.13 13.37	U	1
1,3-Dichlorobenzene	541-73-1	U	0.000932	0.000929	mg/kg	01.24.13 13.37	U	1
1,3-Dichloropropane	142-28-9	U	0.000932	0.000641	mg/kg	01.24.13 13.37	U	1
1,4-Dichlorobenzene	106-46-7	U	0.000932	0.000637	mg/kg	01.24.13 13.37	U	1
2,2-Dichloropropane	594-20-7	U	0.000932	0.000558	mg/kg	01.24.13 13.37	U	1
2-Butanone (MEK)	78-93-3	U	0.00932	0.00848	mg/kg	01.24.13 13.37	U	1
2-Chlorotoluene	95-49-8	U	0.000932	0.000660	mg/kg	01.24.13 13.37	U	1
2-Hexanone	591-78-6	U	0.00932	0.00105	mg/kg	01.24.13 13.37	U	1
4-Chlorotoluene	106-43-4	U	0.000932	0.000515	mg/kg	01.24.13 13.37	U	1
4-Isopropyltoluene	99-87-6	U	0.000932	0.000745	mg/kg	01.24.13 13.37	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.00932	0.00301	mg/kg	01.24.13 13.37	U	1
Acetone	67-64-1	**0.0483**	0.00932	0.00641	mg/kg	01.24.13 13.37		1
Benzene	71-43-2	U	0.000932	0.000478	mg/kg	01.24.13 13.37	U	1
Bromobenzene	108-86-1	U	0.000932	0.000796	mg/kg	01.24.13 13.37	U	1
Bromochloromethane	74-97-5	U	0.00186	0.000937	mg/kg	01.24.13 13.37	U	1
Bromodichloromethane	75-27-4	U	0.000932	0.000467	mg/kg	01.24.13 13.37	U	1
Bromoform	75-25-2	U	0.000932	0.000893	mg/kg	01.24.13 13.37	U	1
Bromomethane	74-83-9	U	0.00466	0.00229	mg/kg	01.24.13 13.37	U	1
Carbon tetrachloride	56-23-5	U	0.000932	0.000691	mg/kg	01.24.13 13.37	U	1
Chlorobenzene	108-90-7	U	0.000932	0.000539	mg/kg	01.24.13 13.37	U	1
Chlorodibromomethane	124-48-1	U	0.000932	0.000926	mg/kg	01.24.13 13.37	U	1
Chloroethane	75-00-3	U	0.00466	0.00228	mg/kg	01.24.13 13.37	U	1
Chloroform	67-66-3	U	0.000932	0.000690	mg/kg	01.24.13 13.37	U	1
Chloromethane	74-87-3	U	0.00466	0.00215	mg/kg	01.24.13 13.37	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.000932	0.000617	mg/kg	01.24.13 13.37	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.000932	0.000502	mg/kg	01.24.13 13.37	U	1
Dichlorodifluoromethane	75-71-8	U	0.00186	0.00110	mg/kg	01.24.13 13.37	U	1

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **S-2** Matrix: Soil Date Received: 01.24.13 10.20

Lab Sample Id: **456260-002** Date Collected: 01.23.13 15.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Tech: BAT % Moisture: 16

Analyst: MLA Date Prep: 01.24.13 07.23 Basis: Dry Weight

Seq Number: 905403

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	0.0466	0.0261	mg/kg	01.24.13 13.37	U	1
Ethylbenzene	100-41-4	U	0.000932	0.000526	mg/kg	01.24.13 13.37	U	1
Isopropyl Ether	108-20-3	U	0.00186	0.00118	mg/kg	01.24.13 13.37	U	1
Isopropylbenzene	98-82-8	**0.00212**	0.000932	0.000707	mg/kg	01.24.13 13.37		1
m,p-Xylenes	179601-23-1	U	0.00186	0.00113	mg/kg	01.24.13 13.37	U	1
Methyl tert-butyl ether	1634-04-4	U	0.00186	0.000646	mg/kg	01.24.13 13.37	U	1
Methylene chloride	75-09-2	U	0.00466	0.00202	mg/kg	01.24.13 13.37	U	1
Naphthalene	91-20-3	**0.00321**	0.00186	0.00121	mg/kg	01.24.13 13.37		1
n-Butylbenzene	104-51-8	U	0.000932	0.000822	mg/kg	01.24.13 13.37	U	1
n-Propylbenzene	103-65-1	**0.00143**	0.000932	0.000728	mg/kg	01.24.13 13.37		1
o-Xylene	95-47-6	U	0.000932	0.000667	mg/kg	01.24.13 13.37	U	1
sec-Butylbenzene	135-98-8	**0.00119**	0.000932	0.000612	mg/kg	01.24.13 13.37		1
Styrene	100-42-5	U	0.000932	0.000691	mg/kg	01.24.13 13.37	U	1
tert-Butylbenzene	98-06-6	U	0.000932	0.000777	mg/kg	01.24.13 13.37	U	1
Tetrachloroethene	127-18-4	U	0.00186	0.000965	mg/kg	01.24.13 13.37	U	1
Toluene	108-88-3	U	0.000932	0.000548	mg/kg	01.24.13 13.37	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.000932	0.000727	mg/kg	01.24.13 13.37	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.000932	0.000624	mg/kg	01.24.13 13.37	U	1
Trichloroethene	79-01-6	U	0.000932	0.000659	mg/kg	01.24.13 13.37	U	1
Trichlorofluoromethane	75-69-4	U	0.00466	0.00327	mg/kg	01.24.13 13.37	U	1
Vinyl acetate	108-05-4	U	0.00466	0.000672	mg/kg	01.24.13 13.37	U	1
Vinyl chloride	75-01-4	U	0.00466	0.00187	mg/kg	01.24.13 13.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	80	%	50-150	01.24.13 13.37	
4-Bromofluorobenzene	460-00-4	114	%	57-158	01.24.13 13.37	
Toluene-D8	2037-26-5	110	%	50-150	01.24.13 13.37	

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Mill Creek Environmental Services, Dawsonville, GA

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Sample Id: **S-3** Matrix: Soil Date Received: 01.24.13 10.20

Lab Sample Id: **456260-003** Date Collected: 01.23.13 17.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Tech: BAT % Moisture: 17.93

Analyst: MLA Date Prep: 01.24.13 07.23 Basis: Dry Weight

Seq Number: 905403

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.00111	0.000836	mg/kg	01.24.13 12.11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.00222	0.00132	mg/kg	01.24.13 12.11	U	1
1,1,2-Trichloroethane	79-00-5	U	0.00111	0.000744	mg/kg	01.24.13 12.11	U	1
1,1-Dichloroethane	75-34-3	U	0.00111	0.000890	mg/kg	01.24.13 12.11	U	1
1,1-Dichloroethene	75-35-4	U	0.00222	0.00129	mg/kg	01.24.13 12.11	U	1
1,1-Dichloropropene	563-58-6	U	0.00111	0.000598	mg/kg	01.24.13 12.11	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.00111	0.000637	mg/kg	01.24.13 12.11	U	1
1,2,3-Trichloropropane	96-18-4	U	0.00222	0.00183	mg/kg	01.24.13 12.11	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.00111	0.000969	mg/kg	01.24.13 12.11	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.00111	0.000799	mg/kg	01.24.13 12.11	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.00111	0.000958	mg/kg	01.24.13 12.11	U	1
1,2-Dichlorobenzene	95-50-1	U	0.00222	0.00143	mg/kg	01.24.13 12.11	U	1
1,2-Dichloroethane	107-06-2	U	0.00111	0.000663	mg/kg	01.24.13 12.11	U	1
1,2-Dichloropropane	78-87-5	U	0.00111	0.00103	mg/kg	01.24.13 12.11	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.00111	0.000903	mg/kg	01.24.13 12.11	U	1
1,3-Dichlorobenzene	541-73-1	U	0.00111	0.00111	mg/kg	01.24.13 12.11	U	1
1,3-Dichloropropane	142-28-9	U	0.00111	0.000763	mg/kg	01.24.13 12.11	U	1
1,4-Dichlorobenzene	106-46-7	U	0.00111	0.000759	mg/kg	01.24.13 12.11	U	1
2,2-Dichloropropane	594-20-7	U	0.00111	0.000665	mg/kg	01.24.13 12.11	U	1
2-Butanone (MEK)	78-93-3	U	0.0111	0.0101	mg/kg	01.24.13 12.11	U	1
2-Chlorotoluene	95-49-8	U	0.00111	0.000786	mg/kg	01.24.13 12.11	U	1
2-Hexanone	591-78-6	U	0.0111	0.00125	mg/kg	01.24.13 12.11	U	1
4-Chlorotoluene	106-43-4	U	0.00111	0.000614	mg/kg	01.24.13 12.11	U	1
4-Isopropyltoluene	99-87-6	U	0.00111	0.000888	mg/kg	01.24.13 12.11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.0111	0.00359	mg/kg	01.24.13 12.11	U	1
Acetone	67-64-1	U	0.0111	0.00763	mg/kg	01.24.13 12.11	U	1
Benzene	71-43-2	U	0.00111	0.000569	mg/kg	01.24.13 12.11	U	1
Bromobenzene	108-86-1	U	0.00111	0.000948	mg/kg	01.24.13 12.11	U	1
Bromochloromethane	74-97-5	U	0.00222	0.00112	mg/kg	01.24.13 12.11	U	1
Bromodichloromethane	75-27-4	U	0.00111	0.000556	mg/kg	01.24.13 12.11	U	1
Bromoform	75-25-2	U	0.00111	0.00106	mg/kg	01.24.13 12.11	U	1
Bromomethane	74-83-9	U	0.00555	0.00273	mg/kg	01.24.13 12.11	U	1
Carbon tetrachloride	56-23-5	U	0.00111	0.000823	mg/kg	01.24.13 12.11	U	1
Chlorobenzene	108-90-7	U	0.00111	0.000643	mg/kg	01.24.13 12.11	U	1
Chlorodibromomethane	124-48-1	U	0.00111	0.00110	mg/kg	01.24.13 12.11	U	1
Chloroethane	75-00-3	U	0.00555	0.00271	mg/kg	01.24.13 12.11	U	1
Chloroform	67-66-3	U	0.00111	0.000822	mg/kg	01.24.13 12.11	U	1
Chloromethane	74-87-3	U	0.00555	0.00256	mg/kg	01.24.13 12.11	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.00111	0.000735	mg/kg	01.24.13 12.11	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.00111	0.000598	mg/kg	01.24.13 12.11	U	1
Dichlorodifluoromethane	75-71-8	U	0.00222	0.00131	mg/kg	01.24.13 12.11	U	1

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Mill Creek Environmental Services, Dawsonville, GA

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Sample Id: **S-3** Matrix: Soil Date Received: 01.24.13 10.20

Lab Sample Id: **456260-003** Date Collected: 01.23.13 17.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Tech: BAT % Moisture: 17.93

Analyst: MLA Date Prep: 01.24.13 07.23 Basis: Dry Weight

Seq Number: 905403

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	0.0555	0.0311	mg/kg	01.24.13 12.11	U	1
Ethylbenzene	100-41-4	U	0.00111	0.000627	mg/kg	01.24.13 12.11	U	1
Isopropyl Ether	108-20-3	U	0.00222	0.00141	mg/kg	01.24.13 12.11	U	1
Isopropylbenzene	98-82-8	U	0.00111	0.000842	mg/kg	01.24.13 12.11	U	1
m,p-Xylenes	179601-23-1	U	0.00222	0.00134	mg/kg	01.24.13 12.11	U	1
Methyl tert-butyl ether	1634-04-4	U	0.00222	0.000769	mg/kg	01.24.13 12.11	U	1
Methylene chloride	75-09-2	U	0.00555	0.00240	mg/kg	01.24.13 12.11	U	1
Naphthalene	91-20-3	U	0.00222	0.00144	mg/kg	01.24.13 12.11	U	1
n-Butylbenzene	104-51-8	U	0.00111	0.000979	mg/kg	01.24.13 12.11	U	1
n-Propylbenzene	103-65-1	U	0.00111	0.000868	mg/kg	01.24.13 12.11	U	1
o-Xylene	95-47-6	U	0.00111	0.000795	mg/kg	01.24.13 12.11	U	1
sec-Butylbenzene	135-98-8	U	0.00111	0.000729	mg/kg	01.24.13 12.11	U	1
Styrene	100-42-5	U	0.00111	0.000823	mg/kg	01.24.13 12.11	U	1
tert-Butylbenzene	98-06-6	U	0.00111	0.000926	mg/kg	01.24.13 12.11	U	1
Tetrachloroethene	127-18-4	U	0.00222	0.00115	mg/kg	01.24.13 12.11	U	1
Toluene	108-88-3	U	0.00111	0.000653	mg/kg	01.24.13 12.11	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.00111	0.000866	mg/kg	01.24.13 12.11	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.00111	0.000744	mg/kg	01.24.13 12.11	U	1
Trichloroethene	79-01-6	U	0.00111	0.000785	mg/kg	01.24.13 12.11	U	1
Trichlorofluoromethane	75-69-4	U	0.00555	0.00390	mg/kg	01.24.13 12.11	U	1
Vinyl acetate	108-05-4	U	0.00555	0.000800	mg/kg	01.24.13 12.11	U	1
Vinyl chloride	75-01-4	U	0.00555	0.00223	mg/kg	01.24.13 12.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	77	%	50-150	01.24.13 12.11	
4-Bromofluorobenzene	460-00-4	99	%	57-158	01.24.13 12.11	
Toluene-D8	2037-26-5	104	%	50-150	01.24.13 12.11	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-1** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-004** Date Collected: 01.23.13 12.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	01.24.13 11.15	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	01.24.13 11.15	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	01.24.13 11.15	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	01.24.13 11.15	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	01.24.13 11.15	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	01.24.13 11.15	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	01.24.13 11.15	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	01.24.13 11.15	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	01.24.13 11.15	U	1
1,2,4-Trimethylbenzene	95-63-6	**3.44**	1.00	0.140	ug/L	01.24.13 11.15		1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	01.24.13 11.15	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	01.24.13 11.15	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	01.24.13 11.15	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	01.24.13 11.15	U	1
1,3,5-Trimethylbenzene	108-67-8	**1.22**	1.00	0.170	ug/L	01.24.13 11.15		1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	01.24.13 11.15	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	01.24.13 11.15	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	01.24.13 11.15	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	01.24.13 11.15	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	01.24.13 11.15	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	01.24.13 11.15	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	01.24.13 11.15	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	01.24.13 11.15	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	01.24.13 11.15	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	01.24.13 11.15	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	01.24.13 11.15	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	01.24.13 11.15	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	01.24.13 11.15	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	01.24.13 11.15	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	01.24.13 11.15	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	01.24.13 11.15	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	01.24.13 11.15	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	01.24.13 11.15	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	01.24.13 11.15	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	01.24.13 11.15	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	01.24.13 11.15	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	01.24.13 11.15	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	01.24.13 11.15	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	01.24.13 11.15	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	01.24.13 11.15	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	01.24.13 11.15	U	1

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Mill Creek Environmental Services, Dawsonville, GA

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Sample Id: **GW-1** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-004** Date Collected: 01.23.13 12.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	20.0	8.00	ug/L	01.24.13 11.15	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	01.24.13 11.15	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	01.24.13 11.15	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	01.24.13 11.15	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	01.24.13 11.15	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	01.24.13 11.15	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	01.24.13 11.15	U	1
Naphthalene	91-20-3	**8.68**	1.00	0.220	ug/L	01.24.13 11.15		1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	01.24.13 11.15	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	01.24.13 11.15	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	01.24.13 11.15	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	01.24.13 11.15	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	01.24.13 11.15	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	01.24.13 11.15	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	01.24.13 11.15	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	01.24.13 11.15	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	01.24.13 11.15	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	01.24.13 11.15	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	01.24.13 11.15	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	01.24.13 11.15	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	01.24.13 11.15	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	01.24.13 11.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	110	%	53-159	01.24.13 11.15	
4-Bromofluorobenzene	460-00-4	105	%	30-186	01.24.13 11.15	
Toluene-D8	2037-26-5	103	%	70-130	01.24.13 11.15	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-2** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-005** Date Collected: 01.23.13 15.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	01.24.13 11.43	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	01.24.13 11.43	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	01.24.13 11.43	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	01.24.13 11.43	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	01.24.13 11.43	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	01.24.13 11.43	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	01.24.13 11.43	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	01.24.13 11.43	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	01.24.13 11.43	U	1
1,2,4-Trimethylbenzene	95-63-6	**2.90**	1.00	0.140	ug/L	01.24.13 11.43		1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	01.24.13 11.43	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	01.24.13 11.43	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	01.24.13 11.43	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	01.24.13 11.43	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	01.24.13 11.43	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	01.24.13 11.43	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	01.24.13 11.43	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	01.24.13 11.43	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	01.24.13 11.43	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	01.24.13 11.43	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	01.24.13 11.43	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	01.24.13 11.43	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	01.24.13 11.43	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	01.24.13 11.43	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	01.24.13 11.43	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	01.24.13 11.43	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	01.24.13 11.43	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	01.24.13 11.43	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	01.24.13 11.43	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	01.24.13 11.43	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	01.24.13 11.43	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	01.24.13 11.43	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	01.24.13 11.43	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	01.24.13 11.43	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	01.24.13 11.43	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	01.24.13 11.43	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	01.24.13 11.43	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	01.24.13 11.43	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	01.24.13 11.43	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	01.24.13 11.43	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	01.24.13 11.43	U	1

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Mill Creek Environmental Services, Dawsonville, GA

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Sample Id: **GW-2** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-005** Date Collected: 01.23.13 15.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	20.0	8.00	ug/L	01.24.13 11.43	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	01.24.13 11.43	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	01.24.13 11.43	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	01.24.13 11.43	U	1
m,p-Xylenes	179601-23-1	**0.660**	2.00	0.510	ug/L	01.24.13 11.43	J	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	01.24.13 11.43	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	01.24.13 11.43	U	1
Naphthalene	91-20-3	**8.35**	1.00	0.220	ug/L	01.24.13 11.43		1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	01.24.13 11.43	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	01.24.13 11.43	U	1
o-Xylene	95-47-6	**1.39**	1.00	0.200	ug/L	01.24.13 11.43		1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	01.24.13 11.43	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	01.24.13 11.43	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	01.24.13 11.43	U	1
Tetrachloroethene	127-18-4	**1.08**	1.00	0.160	ug/L	01.24.13 11.43		1
Toluene	108-88-3	U	1.00	0.140	ug/L	01.24.13 11.43	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	01.24.13 11.43	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	01.24.13 11.43	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	01.24.13 11.43	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	01.24.13 11.43	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	01.24.13 11.43	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	01.24.13 11.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	108	%	53-159	01.24.13 11.43	
4-Bromofluorobenzene	460-00-4	103	%	30-186	01.24.13 11.43	
Toluene-D8	2037-26-5	104	%	70-130	01.24.13 11.43	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-3** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-006** Date Collected: 01.23.13 16.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	01.24.13 12.11	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	01.24.13 12.11	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	01.24.13 12.11	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	01.24.13 12.11	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	01.24.13 12.11	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	01.24.13 12.11	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	01.24.13 12.11	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	01.24.13 12.11	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	01.24.13 12.11	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	01.24.13 12.11	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	01.24.13 12.11	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	01.24.13 12.11	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	01.24.13 12.11	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	01.24.13 12.11	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	01.24.13 12.11	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	01.24.13 12.11	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	01.24.13 12.11	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	01.24.13 12.11	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	01.24.13 12.11	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	01.24.13 12.11	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	01.24.13 12.11	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	01.24.13 12.11	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	01.24.13 12.11	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	01.24.13 12.11	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	01.24.13 12.11	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	01.24.13 12.11	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	01.24.13 12.11	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	01.24.13 12.11	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	01.24.13 12.11	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	01.24.13 12.11	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	01.24.13 12.11	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	01.24.13 12.11	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	01.24.13 12.11	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	01.24.13 12.11	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	01.24.13 12.11	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	01.24.13 12.11	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	01.24.13 12.11	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	01.24.13 12.11	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	01.24.13 12.11	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	01.24.13 12.11	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	01.24.13 12.11	U	1

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Mill Creek Environmental Services, Dawsonville, GA

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Sample Id: **GW-3** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-006** Date Collected: 01.23.13 16.00

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	20.0	8.00	ug/L	01.24.13 12.11	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	01.24.13 12.11	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	01.24.13 12.11	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	01.24.13 12.11	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	01.24.13 12.11	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	01.24.13 12.11	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	01.24.13 12.11	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	01.24.13 12.11	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	01.24.13 12.11	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	01.24.13 12.11	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	01.24.13 12.11	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	01.24.13 12.11	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	01.24.13 12.11	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	01.24.13 12.11	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	01.24.13 12.11	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	01.24.13 12.11	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	01.24.13 12.11	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	01.24.13 12.11	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	01.24.13 12.11	UX	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	01.24.13 12.11	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	01.24.13 12.11	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	01.24.13 12.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	109	%	53-159	01.24.13 12.11	
4-Bromofluorobenzene	460-00-4	102	%	30-186	01.24.13 12.11	
Toluene-D8	2037-26-5	96	%	70-130	01.24.13 12.11	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-4** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-007** Date Collected: 01.23.13 16.30

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	1.00	0.160	ug/L	01.24.13 12.38	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	1.00	0.180	ug/L	01.24.13 12.38	U	1
1,1,2-Trichloroethane	79-00-5	U	1.00	0.250	ug/L	01.24.13 12.38	U	1
1,1-Dichloroethane	75-34-3	U	1.00	0.110	ug/L	01.24.13 12.38	U	1
1,1-Dichloroethene	75-35-4	U	1.00	0.200	ug/L	01.24.13 12.38	U	1
1,1-Dichloropropene	563-58-6	U	1.00	0.100	ug/L	01.24.13 12.38	U	1
1,2,3-Trichlorobenzene	87-61-6	U	1.00	0.250	ug/L	01.24.13 12.38	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.210	ug/L	01.24.13 12.38	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.170	ug/L	01.24.13 12.38	U	1
1,2,4-Trimethylbenzene	95-63-6	U	1.00	0.140	ug/L	01.24.13 12.38	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	1.00	0.180	ug/L	01.24.13 12.38	U	1
1,2-Dichlorobenzene	95-50-1	U	1.00	0.140	ug/L	01.24.13 12.38	U	1
1,2-Dichloroethane	107-06-2	U	1.00	0.180	ug/L	01.24.13 12.38	U	1
1,2-Dichloropropane	78-87-5	U	1.00	0.150	ug/L	01.24.13 12.38	U	1
1,3,5-Trimethylbenzene	108-67-8	U	1.00	0.170	ug/L	01.24.13 12.38	U	1
1,3-Dichlorobenzene	541-73-1	U	1.00	0.170	ug/L	01.24.13 12.38	U	1
1,3-Dichloropropane	142-28-9	U	1.00	0.190	ug/L	01.24.13 12.38	U	1
1,4-Dichlorobenzene	106-46-7	U	1.00	0.170	ug/L	01.24.13 12.38	U	1
2,2-Dichloropropane	594-20-7	U	1.00	0.210	ug/L	01.24.13 12.38	U	1
2-Butanone (MEK)	78-93-3	U	2.00	0.280	ug/L	01.24.13 12.38	U	1
2-Chlorotoluene	95-49-8	U	1.00	0.190	ug/L	01.24.13 12.38	U	1
2-Hexanone	591-78-6	U	2.00	0.320	ug/L	01.24.13 12.38	U	1
4-Chlorotoluene	106-43-4	U	1.00	0.130	ug/L	01.24.13 12.38	U	1
4-Isopropyltoluene	99-87-6	U	1.00	0.130	ug/L	01.24.13 12.38	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	2.00	0.260	ug/L	01.24.13 12.38	U	1
Acetone	67-64-1	U	2.00	0.350	ug/L	01.24.13 12.38	U	1
Benzene	71-43-2	U	1.00	0.160	ug/L	01.24.13 12.38	U	1
Bromobenzene	108-86-1	U	1.00	0.210	ug/L	01.24.13 12.38	U	1
Bromochloromethane	74-97-5	U	1.00	0.200	ug/L	01.24.13 12.38	U	1
Bromodichloromethane	75-27-4	U	1.00	0.250	ug/L	01.24.13 12.38	U	1
Bromoform	75-25-2	U	1.00	0.170	ug/L	01.24.13 12.38	U	1
Bromomethane	74-83-9	U	1.00	0.250	ug/L	01.24.13 12.38	U	1
Carbon tetrachloride	56-23-5	U	1.00	0.330	ug/L	01.24.13 12.38	U	1
Chlorobenzene	108-90-7	U	1.00	0.150	ug/L	01.24.13 12.38	U	1
Chlorodibromomethane	124-48-1	U	1.00	0.150	ug/L	01.24.13 12.38	U	1
Chloroethane	75-00-3	U	1.00	0.260	ug/L	01.24.13 12.38	U	1
Chloroform	67-66-3	U	1.00	0.160	ug/L	01.24.13 12.38	U	1
Chloromethane	74-87-3	U	1.00	0.250	ug/L	01.24.13 12.38	U	1
cis-1,2-Dichloroethene	156-59-2	U	1.00	0.210	ug/L	01.24.13 12.38	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	01.24.13 12.38	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.220	ug/L	01.24.13 12.38	U	1

Certificate of Analytical Results 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **GW-4** Matrix: Water Date Received: 01.24.13 10.20

Lab Sample Id: **456260-007** Date Collected: 01.23.13 16.30

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Tech: 4148 % Moisture:

Analyst: MLA Date Prep: 01.24.13 06.52

Seq Number: 905423

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	20.0	8.00	ug/L	01.24.13 12.38	U	1
Ethylbenzene	100-41-4	U	1.00	0.190	ug/L	01.24.13 12.38	U	1
Isopropyl ether	108-20-3	U	1.00	0.0800	ug/L	01.24.13 12.38	U	1
Isopropylbenzene	98-82-8	U	1.00	0.150	ug/L	01.24.13 12.38	U	1
m,p-Xylenes	179601-23-1	U	2.00	0.510	ug/L	01.24.13 12.38	U	1
Methyl tert-butyl ether	1634-04-4	U	2.00	0.180	ug/L	01.24.13 12.38	U	1
Methylene chloride	75-09-2	U	1.00	0.420	ug/L	01.24.13 12.38	U	1
Naphthalene	91-20-3	U	1.00	0.220	ug/L	01.24.13 12.38	U	1
n-Butylbenzene	104-51-8	U	1.00	0.170	ug/L	01.24.13 12.38	U	1
n-Propylbenzene	103-65-1	U	1.00	0.180	ug/L	01.24.13 12.38	U	1
o-Xylene	95-47-6	U	1.00	0.200	ug/L	01.24.13 12.38	U	1
sec-Butylbenzene	135-98-8	U	1.00	0.210	ug/L	01.24.13 12.38	U	1
Styrene	100-42-5	U	1.00	0.180	ug/L	01.24.13 12.38	U	1
tert-Butylbenzene	98-06-6	U	1.00	0.180	ug/L	01.24.13 12.38	U	1
Tetrachloroethene	127-18-4	U	1.00	0.160	ug/L	01.24.13 12.38	U	1
Toluene	108-88-3	U	1.00	0.140	ug/L	01.24.13 12.38	U	1
trans-1,2-Dichloroethene	156-60-5	U	1.00	0.210	ug/L	01.24.13 12.38	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	01.24.13 12.38	U	1
Trichloroethene	79-01-6	U	1.00	0.190	ug/L	01.24.13 12.38	U	1
Trichlorofluoromethane	75-69-4	U	1.00	0.530	ug/L	01.24.13 12.38	U	1
Vinyl acetate	108-05-4	U	1.00	0.720	ug/L	01.24.13 12.38	U	1
Vinyl chloride	75-01-4	U	1.00	0.190	ug/L	01.24.13 12.38	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	109	%	53-159	01.24.13 12.38	
4-Bromofluorobenzene	460-00-4	103	%	30-186	01.24.13 12.38	
Toluene-D8	2037-26-5	100	%	70-130	01.24.13 12.38	

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 905423 Matrix: Water Date Prep: 01/24/2013

MB Sample Id: 632861-1-BLK LCS Sample Id: 632861-1-BKS LCSD Sample Id: 632861-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	56.5	113	55.4	111	65-130	2	20	ug/L	01/24/13 07:39	
1,1,2,2-Tetrachloroethane	<0.180	50.0	51.6	103	50.8	102	65-130	2	20	ug/L	01/24/13 07:39	
1,1,2-Trichloroethane	<0.250	50.0	52.0	104	50.0	100	75-125	4	20	ug/L	01/24/13 07:39	
1,1-Dichloroethane	<0.110	50.0	53.2	106	51.3	103	70-135	4	20	ug/L	01/24/13 07:39	
1,1-Dichloroethene	<0.200	50.0	54.9	110	53.8	108	70-130	2	20	ug/L	01/24/13 07:39	
1,1-Dichloropropene	<0.100	50.0	55.5	111	53.8	108	75-130	3	20	ug/L	01/24/13 07:39	
1,2,3-Trichlorobenzene	<0.250	50.0	56.2	112	54.4	109	55-140	3	20	ug/L	01/24/13 07:39	
1,2,3-Trichloropropane	<0.210	50.0	52.8	106	52.4	105	75-125	1	20	ug/L	01/24/13 07:39	
1,2,4-Trichlorobenzene	<0.170	50.0	55.2	110	53.9	108	65-135	2	20	ug/L	01/24/13 07:39	
1,2,4-Trimethylbenzene	<0.140	50.0	52.4	105	51.3	103	75-130	2	20	ug/L	01/24/13 07:39	
1,2-Dibromoethane (EDB)	<0.180	50.0	52.8	106	51.2	102	80-120	3	20	ug/L	01/24/13 07:39	
1,2-Dichlorobenzene	<0.140	50.0	50.7	101	49.9	100	70-120	2	20	ug/L	01/24/13 07:39	
1,2-Dichloroethane	<0.180	50.0	57.2	114	55.1	110	70-130	4	20	ug/L	01/24/13 07:39	
1,2-Dichloropropane	<0.150	50.0	52.2	104	50.5	101	75-125	3	20	ug/L	01/24/13 07:39	
1,3,5-Trimethylbenzene	<0.170	50.0	52.5	105	51.8	104	75-130	1	20	ug/L	01/24/13 07:39	
1,3-Dichlorobenzene	<0.170	50.0	51.1	102	50.2	100	75-125	2	20	ug/L	01/24/13 07:39	
1,3-Dichloropropane	<0.190	50.0	52.6	105	51.0	102	75-125	3	20	ug/L	01/24/13 07:39	
1,4-Dichlorobenzene	<0.170	50.0	50.0	100	49.0	98	75-125	2	20	ug/L	01/24/13 07:39	
2,2-Dichloropropane	<0.210	50.0	58.4	117	56.3	113	70-130	4	20	ug/L	01/24/13 07:39	
2-Butanone (MEK)	<0.280	100	114	114	111	111	30-150	3	20	ug/L	01/24/13 07:39	
2-Chlorotoluene	<0.190	50.0	52.2	104	50.8	102	75-125	3	20	ug/L	01/24/13 07:39	
2-Hexanone	<0.320	100	111	111	108	108	55-130	3	20	ug/L	01/24/13 07:39	
4-Chlorotoluene	<0.130	50.0	56.0	112	54.7	109	75-130	2	20	ug/L	01/24/13 07:39	
4-Isopropyltoluene	<0.130	50.0	54.1	108	52.6	105	75-130	3	20	ug/L	01/24/13 07:39	
4-Methyl-2-pentanone (MIBK)	<0.260	100	105	105	102	102	60-135	3	20	ug/L	01/24/13 07:39	
Acetone	<0.350	100	115	115	109	109	40-140	5	20	ug/L	01/24/13 07:39	
Benzene	<0.160	50.0	51.5	103	50.1	100	80-120	3	20	ug/L	01/24/13 07:39	
Bromobenzene	<0.210	50.0	51.7	103	50.3	101	75-125	3	20	ug/L	01/24/13 07:39	
Bromochloromethane	<0.200	50.0	51.7	103	51.2	102	65-130	1	20	ug/L	01/24/13 07:39	
Bromodichloromethane	<0.250	50.0	56.7	113	54.1	108	75-120	5	20	ug/L	01/24/13 07:39	
Bromoform	<0.170	50.0	49.0	98	48.5	97	70-130	1	20	ug/L	01/24/13 07:39	
Bromomethane	<0.250	50.0	49.9	100	49.3	99	30-145	1	20	ug/L	01/24/13 07:39	
Carbon tetrachloride	<0.330	50.0	58.7	117	57.3	115	65-140	2	20	ug/L	01/24/13 07:39	
Chlorobenzene	<0.150	50.0	50.8	102	49.0	98	80-120	4	20	ug/L	01/24/13 07:39	
Chlorodibromomethane	<0.150	50.0	55.9	112	53.7	107	60-135	4	20	ug/L	01/24/13 07:39	
Chloroethane	<0.260	50.0	51.6	103	52.5	105	60-135	2	20	ug/L	01/24/13 07:39	
Chloroform	<0.160	50.0	54.8	110	53.6	107	65-135	2	20	ug/L	01/24/13 07:39	
Chloromethane	<0.250	50.0	50.6	101	44.8	90	40-125	12	20	ug/L	01/24/13 07:39	
cis-1,2-Dichloroethene	<0.210	50.0	52.0	104	50.1	100	70-125	4	20	ug/L	01/24/13 07:39	
cis-1,3-Dichloropropene	<0.100	50.0	55.6	111	53.8	108	70-130	3	20	ug/L	01/24/13 07:39	
Dichlorodifluoromethane	<0.220	50.0	49.0	98	48.2	96	30-155	2	20	ug/L	01/24/13 07:39	
Ethanol	<8.00	2000	2160	108	2060	103	65-135	5	20	ug/L	01/24/13 07:39	
Ethylbenzene	<0.190	50.0	52.8	106	50.7	101	75-125	4	20	ug/L	01/24/13 07:39	
Isopropyl ether	<0.0800	50.0	52.9	106	51.3	103	65-135	3	20	ug/L	01/24/13 07:39	
Isopropylbenzene	<0.150	50.0	51.9	104	51.4	103	75-125	1	20	ug/L	01/24/13 07:39	
m,p-Xylenes	<0.510	100	103	103	99.1	99	75-130	4	20	ug/L	01/24/13 07:39	
Methyl tert-butyl ether	<0.180	100	109	109	106	106	65-125	3	20	ug/L	01/24/13 07:39	
Methylene chloride	<0.420	50.0	49.6	99	48.2	96	55-140	3	20	ug/L	01/24/13 07:39	
Naphthalene	<0.220	50.0	56.5	113	55.4	111	55-140	2	20	ug/L	01/24/13 07:39	

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 905423 Matrix: Water Date Prep: 01/24/2013

MB Sample Id: 632861-1-BLK LCS Sample Id: 632861-1-BKS LCSD Sample Id: 632861-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.170	50.0	56.3	113	54.3	109	70-130	4	20	ug/L	01/24/13 07:39	
n-Propylbenzene	<0.180	50.0	52.7	105	51.6	103	70-130	2	20	ug/L	01/24/13 07:39	
o-Xylene	<0.200	50.0	51.0	102	49.4	99	80-120	3	20	ug/L	01/24/13 07:39	
sec-Butylbenzene	<0.210	50.0	52.7	105	51.4	103	70-125	2	20	ug/L	01/24/13 07:39	
Styrene	<0.180	50.0	51.9	104	50.1	100	65-135	4	20	ug/L	01/24/13 07:39	
tert-Butylbenzene	<0.180	50.0	51.9	104	51.6	103	70-130	1	20	ug/L	01/24/13 07:39	
Tetrachloroethene	<0.160	50.0	51.8	104	50.6	101	45-150	2	20	ug/L	01/24/13 07:39	
Toluene	<0.140	50.0	49.9	100	48.3	97	75-120	3	20	ug/L	01/24/13 07:39	
trans-1,2-Dichloroethene	<0.210	50.0	52.4	105	51.2	102	60-140	2	20	ug/L	01/24/13 07:39	
trans-1,3-Dichloropropene	<0.110	50.0	55.8	112	53.3	107	55-140	5	20	ug/L	01/24/13 07:39	
Trichloroethene	<0.190	50.0	54.0	108	52.4	105	70-125	3	20	ug/L	01/24/13 07:39	
Trichlorofluoromethane	<0.530	50.0	58.4	117	59.4	119	60-145	2	20	ug/L	01/24/13 07:39	
Vinyl acetate	<0.720	50.0	56.4	113	55.1	110	65-135	2	20	ug/L	01/24/13 07:39	
Vinyl chloride	<0.190	50.0	50.6	101	49.5	99	50-145	2	20	ug/L	01/24/13 07:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	109		109		106		53-159	%	01/24/13 07:39
4-Bromofluorobenzene	102		103		104		30-186	%	01/24/13 07:39
Toluene-D8	108		98		98		70-130	%	01/24/13 07:39

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035A

Seq Number: 905403 Matrix: Solid Date Prep: 01/24/2013

MB Sample Id: 632841-1-BLK LCS Sample Id: 632841-1-BKS LCSD Sample Id: 632841-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.000753	0.0500	0.0431	86	0.0461	92	62-139	7	20	mg/kg	01/24/13 08:46	
1,1,2,2-Tetrachloroethane	<0.00119	0.0500	0.0496	99	0.0504	101	67-123	2	20	mg/kg	01/24/13 08:46	
1,1,2-Trichloroethane	<0.000670	0.0500	0.0479	96	0.0485	97	68-123	1	20	mg/kg	01/24/13 08:46	
1,1-Dichloroethane	<0.000802	0.0500	0.0428	86	0.0448	90	73-121	5	20	mg/kg	01/24/13 08:46	
1,1-Dichloroethene	<0.00116	0.0500	0.0396	79	0.0408	82	56-137	3	20	mg/kg	01/24/13 08:46	
1,1-Dichloropropene	<0.000539	0.0500	0.0547	109	0.0575	115	70-132	5	20	mg/kg	01/24/13 08:46	
1,2,3-Trichlorobenzene	<0.000574	0.0500	0.0464	93	0.0475	95	60-137	2	20	mg/kg	01/24/13 08:46	
1,2,3-Trichloropropane	<0.00165	0.0500	0.0433	87	0.0429	86	65-130	1	20	mg/kg	01/24/13 08:46	
1,2,4-Trichlorobenzene	<0.000873	0.0500	0.0562	112	0.0571	114	59-138	2	20	mg/kg	01/24/13 08:46	
1,2,4-Trimethylbenzene	<0.000720	0.0500	0.0577	115	0.0591	118	74-130	2	20	mg/kg	01/24/13 08:46	
1,2-Dibromoethane (EDB)	<0.000863	0.0500	0.0455	91	0.0460	92	70-131	1	20	mg/kg	01/24/13 08:46	
1,2-Dichlorobenzene	<0.00129	0.0500	0.0516	103	0.0535	107	76-120	4	20	mg/kg	01/24/13 08:46	
1,2-Dichloroethane	<0.000597	0.0500	0.0348	70	0.0361	72	60-136	4	20	mg/kg	01/24/13 08:46	
1,2-Dichloropropane	<0.000929	0.0500	0.0548	110	0.0582	116	73-120	6	20	mg/kg	01/24/13 08:46	
1,3,5-Trimethylbenzene	<0.000814	0.0500	0.0584	117	0.0601	120	76-128	3	20	mg/kg	01/24/13 08:46	
1,3-Dichlorobenzene	<0.000997	0.0500	0.0551	110	0.0557	111	76-125	1	20	mg/kg	01/24/13 08:46	
1,3-Dichloropropane	<0.000688	0.0500	0.0462	92	0.0462	92	71-127	0	20	mg/kg	01/24/13 08:46	
1,4-Dichlorobenzene	<0.000684	0.0500	0.0522	104	0.0535	107	75-120	2	20	mg/kg	01/24/13 08:46	
2,2-Dichloropropane	<0.000599	0.0500	0.0432	86	0.0457	91	61-167	6	20	mg/kg	01/24/13 08:46	
2-Butanone (MEK)	<0.00911	0.100	0.0863	86	0.0852	85	55-143	1	20	mg/kg	01/24/13 08:46	
2-Chlorotoluene	<0.000708	0.0500	0.0534	107	0.0555	111	78-121	4	20	mg/kg	01/24/13 08:46	
2-Hexanone	<0.00113	0.100	0.0956	96	0.0939	94	53-142	2	20	mg/kg	01/24/13 08:46	
4-Chlorotoluene	<0.000553	0.0500	0.0528	106	0.0553	111	79-122	5	20	mg/kg	01/24/13 08:46	
4-Isopropyltoluene	<0.000800	0.0500	0.0541	108	0.0556	111	66-137	3	20	mg/kg	01/24/13 08:46	
4-Methyl-2-pentanone (MIBK)	<0.00323	0.100	0.0875	88	0.0864	86	55-138	1	20	mg/kg	01/24/13 08:46	
Acetone	<0.00688	0.100	0.0688	69	0.0687	69	51-165	0	20	mg/kg	01/24/13 08:46	
Benzene	<0.000513	0.0500	0.0547	109	0.0585	117	72-126	7	20	mg/kg	01/24/13 08:46	
Bromobenzene	<0.000854	0.0500	0.0491	98	0.0500	100	77-115	2	20	mg/kg	01/24/13 08:46	
Bromochloromethane	<0.00101	0.0500	0.0501	100	0.0520	104	79-119	4	20	mg/kg	01/24/13 08:46	
Bromodichloromethane	<0.000501	0.0500	0.0454	91	0.0465	93	72-126	2	20	mg/kg	01/24/13 08:46	
Bromoform	<0.000959	0.0500	0.0441	88	0.0441	88	62-140	0	20	mg/kg	01/24/13 08:46	
Bromomethane	<0.00246	0.0500	0.0362	72	0.0370	74	50-156	2	20	mg/kg	01/24/13 08:46	
Carbon tetrachloride	<0.000742	0.0500	0.0421	84	0.0451	90	55-151	7	20	mg/kg	01/24/13 08:46	
Chlorobenzene	<0.000579	0.0500	0.0493	99	0.0522	104	80-111	6	20	mg/kg	01/24/13 08:46	
Chlorodibromomethane	<0.000994	0.0500	0.0477	95	0.0478	96	68-131	0	20	mg/kg	01/24/13 08:46	
Chloroethane	<0.00245	0.0500	0.0355	71	0.0381	76	54-150	7	20	mg/kg	01/24/13 08:46	
Chloroform	<0.000741	0.0500	0.0414	83	0.0438	88	73-117	6	20	mg/kg	01/24/13 08:46	
Chloromethane	<0.00230	0.0500	0.0362	72	0.0379	76	40-155	5	20	mg/kg	01/24/13 08:46	
cis-1,2-Dichloroethene	<0.000662	0.0500	0.0536	107	0.0521	104	71-122	3	20	mg/kg	01/24/13 08:46	
cis-1,3-Dichloropropene	<0.000539	0.0500	0.0494	99	0.0516	103	71-129	4	20	mg/kg	01/24/13 08:46	
Dichlorodifluoromethane	<0.00118	0.0500	0.0385	77	0.0396	79	12-177	3	20	mg/kg	01/24/13 08:46	
Ethanol	<0.0280	2.00	1.05	53	0.986	49	34-142	6	20	mg/kg	01/24/13 08:46	
Ethylbenzene	<0.000565	0.0500	0.0505	101	0.0530	106	74-131	5	20	mg/kg	01/24/13 08:46	
Isopropyl Ether	<0.00127	0.0500	0.0500	100	0.0523	105	69-121	4	20	mg/kg	01/24/13 08:46	
Isopropylbenzene	<0.000759	0.0500	0.0561	112	0.0577	115	73-126	3	20	mg/kg	01/24/13 08:46	
m,p-Xylenes	<0.00121	0.100	0.112	112	0.117	117	78-122	4	20	mg/kg	01/24/13 08:46	
Methyl tert-butyl ether	<0.000693	0.100	0.0815	82	0.0819	82	50-162	0	20	mg/kg	01/24/13 08:46	
Methylene chloride	<0.00217	0.0500	0.0373	75	0.0406	81	61-137	8	20	mg/kg	01/24/13 08:46	
Naphthalene	<0.00130	0.0500	0.0486	97	0.0477	95	50-151	2	20	mg/kg	01/24/13 08:46	

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 905403 Matrix: Solid Date Prep: 01/24/2013

MB Sample Id: 632841-1-BLK LCS Sample Id: 632841-1-BKS LCSD Sample Id: 632841-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.000882	0.0500	0.0602	120	0.0608	122	66-138	1	20	mg/kg	01/24/13 08:46	
n-Propylbenzene	<0.000782	0.0500	0.0576	115	0.0589	118	77-127	2	20	mg/kg	01/24/13 08:46	
o-Xylene	<0.000716	0.0500	0.0580	116	0.0597	119	76-121	3	20	mg/kg	01/24/13 08:46	
sec-Butylbenzene	<0.000657	0.0500	0.0602	120	0.0624	125	70-131	4	20	mg/kg	01/24/13 08:46	
Styrene	<0.000742	0.0500	0.0517	103	0.0531	106	81-117	3	20	mg/kg	01/24/13 08:46	
tert-Butylbenzene	<0.000834	0.0500	0.0576	115	0.0597	119	70-130	4	20	mg/kg	01/24/13 08:46	
Tetrachloroethene	<0.00104	0.0500	0.0534	107	0.0570	114	70-127	7	20	mg/kg	01/24/13 08:46	
Toluene	<0.000588	0.0500	0.0551	110	0.0577	115	75-118	5	20	mg/kg	01/24/13 08:46	
trans-1,2-Dichloroethene	<0.000780	0.0500	0.0385	77	0.0406	81	63-137	5	20	mg/kg	01/24/13 08:46	
trans-1,3-Dichloropropene	<0.000670	0.0500	0.0483	97	0.0498	100	61-143	3	20	mg/kg	01/24/13 08:46	
Trichloroethene	<0.000707	0.0500	0.0477	95	0.0496	99	73-123	4	20	mg/kg	01/24/13 08:46	
Trichlorofluoromethane	<0.00351	0.0500	0.0315	63	0.0334	67	47-165	6	20	mg/kg	01/24/13 08:46	
Vinyl acetate	<0.000721	0.0500	0.0440	88	0.0450	90	57-152	2	20	mg/kg	01/24/13 08:46	
Vinyl chloride	<0.00201	0.0500	0.0394	79	0.0436	87	57-139	10	20	mg/kg	01/24/13 08:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	66		72		69		50-150	%	01/24/13 08:46
4-Bromofluorobenzene	101		99		98		57-158	%	01/24/13 08:46
Toluene-D8	107		106		108		50-150	%	01/24/13 08:46

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 905423 Matrix: Water Date Prep: 01/24/2013

Parent Sample Id: 456260-006 MS Sample Id: 456260-006 S MSD Sample Id: 456260-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.160	50.0	55.2	110	53.2	106	59-138	4	20	ug/L	01/24/13 15:21	
1,1,2,2-Tetrachloroethane	<0.180	50.0	51.0	102	51.0	102	63-126	0	20	ug/L	01/24/13 15:21	
1,1,2-Trichloroethane	<0.250	50.0	50.9	102	50.9	102	72-115	0	20	ug/L	01/24/13 15:21	
1,1-Dichloroethane	<0.110	50.0	51.8	104	49.9	100	69-132	4	20	ug/L	01/24/13 15:21	
1,1-Dichloroethene	<0.200	50.0	51.8	104	49.0	98	62-131	6	20	ug/L	01/24/13 15:21	
1,1-Dichloropropene	<0.100	50.0	51.8	104	49.8	100	74-123	4	20	ug/L	01/24/13 15:21	
1,2,3-Trichlorobenzene	<0.250	50.0	50.8	102	53.8	108	48-122	6	20	ug/L	01/24/13 15:21	
1,2,3-Trichloropropane	<0.210	50.0	49.8	100	48.8	98	59-119	2	20	ug/L	01/24/13 15:21	
1,2,4-Trichlorobenzene	<0.170	50.0	52.3	105	53.9	108	34-131	3	20	ug/L	01/24/13 15:21	
1,2,4-Trimethylbenzene	<0.140	50.0	39.7	79	39.8	80	47-139	0	20	ug/L	01/24/13 15:21	
1,2-Dibromoethane (EDB)	<0.180	50.0	51.2	102	51.7	103	66-125	1	20	ug/L	01/24/13 15:21	
1,2-Dichlorobenzene	<0.140	50.0	50.5	101	49.6	99	58-124	2	20	ug/L	01/24/13 15:21	
1,2-Dichloroethane	<0.180	50.0	54.8	110	54.7	109	55-141	0	20	ug/L	01/24/13 15:21	
1,2-Dichloropropane	<0.150	50.0	49.3	99	48.9	98	78-121	1	20	ug/L	01/24/13 15:21	
1,3,5-Trimethylbenzene	<0.170	50.0	37.6	75	38.0	76	53-129	1	20	ug/L	01/24/13 15:21	
1,3-Dichlorobenzene	<0.170	50.0	51.1	102	49.9	100	62-120	2	20	ug/L	01/24/13 15:21	
1,3-Dichloropropane	<0.190	50.0	51.7	103	51.4	103	66-123	1	20	ug/L	01/24/13 15:21	
1,4-Dichlorobenzene	<0.170	50.0	50.8	102	49.2	98	64-114	3	20	ug/L	01/24/13 15:21	
2,2-Dichloropropane	<0.210	50.0	58.1	116	56.1	112	40-159	4	20	ug/L	01/24/13 15:21	
2-Butanone (MEK)	<0.280	100	106	106	107	107	50-152	1	20	ug/L	01/24/13 15:21	
2-Chlorotoluene	<0.190	50.0	51.5	103	50.1	100	60-129	3	20	ug/L	01/24/13 15:21	
2-Hexanone	<0.320	100	106	106	107	107	55-136	1	20	ug/L	01/24/13 15:21	
4-Chlorotoluene	<0.130	50.0	53.7	107	52.5	105	64-124	2	20	ug/L	01/24/13 15:21	
4-Isopropyltoluene	<0.130	50.0	49.2	98	48.3	97	62-121	2	20	ug/L	01/24/13 15:21	
4-Methyl-2-pentanone (MIBK)	<0.260	100	95.4	95	97.7	98	65-132	2	20	ug/L	01/24/13 15:21	
Acetone	<0.350	100	106	106	108	108	40-140	2	20	ug/L	01/24/13 15:21	
Benzene	<0.160	50.0	49.6	99	48.5	97	77-118	2	20	ug/L	01/24/13 15:21	
Bromobenzene	<0.210	50.0	51.4	103	50.4	101	66-121	2	20	ug/L	01/24/13 15:21	
Bromochloromethane	<0.200	50.0	50.8	102	50.6	101	64-130	0	20	ug/L	01/24/13 15:21	
Bromodichloromethane	<0.250	50.0	52.7	105	51.8	104	68-125	2	20	ug/L	01/24/13 15:21	
Bromoform	<0.170	50.0	43.1	86	42.0	84	53-112	3	20	ug/L	01/24/13 15:21	
Bromomethane	<0.250	50.0	49.1	98	46.5	93	63-137	5	20	ug/L	01/24/13 15:21	
Carbon tetrachloride	<0.330	50.0	53.6	107	50.4	101	56-138	6	20	ug/L	01/24/13 15:21	
Chlorobenzene	<0.150	50.0	50.4	101	49.5	99	71-114	2	20	ug/L	01/24/13 15:21	
Chlorodibromomethane	<0.150	50.0	51.7	103	50.8	102	53-125	2	20	ug/L	01/24/13 15:21	
Chloroethane	<0.260	50.0	51.8	104	48.7	97	60-137	6	20	ug/L	01/24/13 15:21	
Chloroform	<0.160	50.0	53.6	107	53.2	106	65-131	1	20	ug/L	01/24/13 15:21	
Chloromethane	<0.250	50.0	48.3	97	45.4	91	48-151	6	20	ug/L	01/24/13 15:21	
cis-1,2-Dichloroethene	<0.210	50.0	51.2	102	50.0	100	22-185	2	20	ug/L	01/24/13 15:21	
cis-1,3-Dichloropropene	<0.100	50.0	49.7	99	49.3	99	67-113	1	20	ug/L	01/24/13 15:21	
Dichlorodifluoromethane	<0.220	50.0	45.3	91	40.9	82	38-145	10	20	ug/L	01/24/13 15:21	
Ethanol	<8.00	2000	2040	102	2130	107	38-162	4	20	ug/L	01/24/13 15:21	
Ethylbenzene	<0.190	50.0	50.2	100	49.2	98	66-127	2	20	ug/L	01/24/13 15:21	
Isopropyl ether	<0.0800	50.0	51.2	102	50.7	101	59-148	1	20	ug/L	01/24/13 15:21	
Isopropylbenzene	<0.150	50.0	50.2	100	48.7	97	58-127	3	20	ug/L	01/24/13 15:21	
m,p-Xylenes	<0.510	100	89.9	90	89.2	89	65-126	1	20	ug/L	01/24/13 15:21	
Methyl tert-butyl ether	<0.180	100	105	105	106	106	58-141	1	20	ug/L	01/24/13 15:21	
Methylene chloride	<0.420	50.0	49.3	99	48.4	97	63-150	2	20	ug/L	01/24/13 15:21	
Naphthalene	<0.220	50.0	50.8	102	54.6	109	30-148	7	20	ug/L	01/24/13 15:21	

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5030B

Seq Number: 905423 Matrix: Water Date Prep: 01/24/2013

Parent Sample Id: 456260-006 MS Sample Id: 456260-006 S MSD Sample Id: 456260-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.170	50.0	51.9	104	51.1	102	63-122	2	20	ug/L	01/24/13 15:21	
n-Propylbenzene	<0.180	50.0	50.5	101	48.9	98	64-127	3	20	ug/L	01/24/13 15:21	
o-Xylene	<0.200	50.0	45.8	92	45.5	91	64-123	1	20	ug/L	01/24/13 15:21	
sec-Butylbenzene	<0.210	50.0	49.5	99	48.2	96	59-124	3	20	ug/L	01/24/13 15:21	
Styrene	<0.180	50.0	33.9	68	34.8	70	50-133	3	20	ug/L	01/24/13 15:21	
tert-Butylbenzene	<0.180	50.0	51.0	102	49.5	99	58-125	3	20	ug/L	01/24/13 15:21	
Tetrachloroethene	<0.160	50.0	51.4	103	49.0	98	52-125	5	20	ug/L	01/24/13 15:21	
Toluene	<0.140	50.0	48.7	97	47.2	94	65-123	3	20	ug/L	01/24/13 15:21	
trans-1,2-Dichloroethene	<0.210	50.0	51.2	102	49.2	98	65-135	4	20	ug/L	01/24/13 15:21	
trans-1,3-Dichloropropene	<0.110	50.0	51.9	104	51.1	102	50-125	2	20	ug/L	01/24/13 15:21	
Trichloroethene	<0.190	50.0	64.3	129	57.5	115	65-125	11	20	ug/L	01/24/13 15:21	X
Trichlorofluoromethane	<0.530	50.0	56.9	114	53.9	108	51-145	5	20	ug/L	01/24/13 15:21	
Vinyl acetate	<0.720	50.0	48.0	96	46.7	93	49-135	3	20	ug/L	01/24/13 15:21	
Vinyl chloride	<0.190	50.0	49.8	100	44.7	89	52-140	11	20	ug/L	01/24/13 15:21	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	109		110		53-159	%	01/24/13 15:21
4-Bromofluorobenzene	103		103		30-186	%	01/24/13 15:21
Toluene-D8	100		101		70-130	%	01/24/13 15:21

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 905403 Matrix: Soil Date Prep: 01/24/2013

Parent Sample Id: 456260-001 MS Sample Id: 456260-001 S MSD Sample Id: 456260-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.000900	0.0598	0.0511	85	0.0472	79	62-137	8	20	mg/kg	01/24/13 16:29	
1,1,2,2-Tetrachloroethane	<0.00142	0.0598	0.0628	105	0.0601	100	64-128	4	20	mg/kg	01/24/13 16:29	
1,1,2-Trichloroethane	<0.000801	0.0598	0.0643	108	0.0558	93	61-130	14	20	mg/kg	01/24/13 16:29	
1,1-Dichloroethane	<0.000959	0.0598	0.0514	86	0.0483	81	65-136	6	20	mg/kg	01/24/13 16:29	
1,1-Dichloroethene	<0.00139	0.0598	0.0486	81	0.0457	76	33-158	6	20	mg/kg	01/24/13 16:29	
1,1-Dichloropropene	<0.000644	0.0598	0.0663	111	0.0613	102	42-152	8	20	mg/kg	01/24/13 16:29	
1,2,3-Trichlorobenzene	<0.000686	0.0598	0.0437	73	0.0494	82	48-135	12	20	mg/kg	01/24/13 16:29	
1,2,3-Trichloropropane	<0.00197	0.0598	0.0533	89	0.0549	92	58-134	3	20	mg/kg	01/24/13 16:29	
1,2,4-Trichlorobenzene	<0.00104	0.0598	0.0560	94	0.0592	99	43-139	6	20	mg/kg	01/24/13 16:29	
1,2,4-Trimethylbenzene	<0.000861	0.0598	0.0677	113	0.0648	108	66-134	4	20	mg/kg	01/24/13 16:29	
1,2-Dibromoethane (EDB)	<0.00103	0.0598	0.0536	90	0.0512	85	69-132	5	20	mg/kg	01/24/13 16:29	
1,2-Dichlorobenzene	<0.00154	0.0598	0.0599	100	0.0592	99	71-120	1	20	mg/kg	01/24/13 16:29	
1,2-Dichloroethane	<0.000714	0.0598	0.0416	70	0.0409	68	53-140	2	20	mg/kg	01/24/13 16:29	
1,2-Dichloropropane	<0.00111	0.0598	0.0650	109	0.0612	102	68-126	6	20	mg/kg	01/24/13 16:29	
1,3,5-Trimethylbenzene	<0.000973	0.0598	0.0687	115	0.0662	111	67-134	4	20	mg/kg	01/24/13 16:29	
1,3-Dichlorobenzene	<0.00119	0.0598	0.0647	108	0.0625	104	68-127	3	20	mg/kg	01/24/13 16:29	
1,3-Dichloropropane	<0.000823	0.0598	0.0546	91	0.0529	88	70-129	3	20	mg/kg	01/24/13 16:29	
1,4-Dichlorobenzene	<0.000818	0.0598	0.0604	101	0.0592	99	72-118	2	20	mg/kg	01/24/13 16:29	
2,2-Dichloropropane	<0.000716	0.0598	0.0521	87	0.0474	79	68-151	9	20	mg/kg	01/24/13 16:29	
2-Butanone (MEK)	<0.0109	0.120	0.106	88	0.0972	81	42-147	9	20	mg/kg	01/24/13 16:29	
2-Chlorotoluene	<0.000847	0.0598	0.0642	107	0.0612	102	68-127	5	20	mg/kg	01/24/13 16:29	
2-Hexanone	<0.00135	0.120	0.114	95	0.111	93	32-142	3	20	mg/kg	01/24/13 16:29	
4-Chlorotoluene	<0.000661	0.0598	0.0627	105	0.0616	103	68-127	2	20	mg/kg	01/24/13 16:29	
4-Isopropyltoluene	<0.000957	0.0598	0.0643	108	0.0610	102	64-135	5	20	mg/kg	01/24/13 16:29	
4-Methyl-2-pentanone (MIBK)	<0.00386	0.120	0.111	93	0.104	87	34-149	7	20	mg/kg	01/24/13 16:29	
Acetone	0.00833	0.120	0.0840	63	0.0724	53	51-165	15	20	mg/kg	01/24/13 16:29	
Benzene	<0.000613	0.0598	0.0641	107	0.0618	103	65-135	4	20	mg/kg	01/24/13 16:29	
Bromobenzene	<0.00102	0.0598	0.0583	97	0.0556	93	67-121	5	20	mg/kg	01/24/13 16:29	
Bromochloromethane	<0.00120	0.0598	0.0600	100	0.0558	93	66-137	7	20	mg/kg	01/24/13 16:29	
Bromodichloromethane	<0.000599	0.0598	0.0508	85	0.0499	83	60-129	2	20	mg/kg	01/24/13 16:29	
Bromoform	<0.00115	0.0598	0.0541	90	0.0514	86	48-147	5	20	mg/kg	01/24/13 16:29	
Bromomethane	<0.00294	0.0598	0.0412	69	0.0391	65	42-170	5	20	mg/kg	01/24/13 16:29	
Carbon tetrachloride	<0.000887	0.0598	0.0491	82	0.0460	77	54-148	7	20	mg/kg	01/24/13 16:29	
Chlorobenzene	<0.000692	0.0598	0.0584	98	0.0567	95	71-117	3	20	mg/kg	01/24/13 16:29	
Chlorodibromomethane	<0.00119	0.0598	0.0535	89	0.0523	87	59-135	2	20	mg/kg	01/24/13 16:29	
Chloroethane	<0.00292	0.0598	0.0417	70	0.0400	67	44-166	4	20	mg/kg	01/24/13 16:29	
Chloroform	<0.000886	0.0598	0.0487	81	0.0478	80	62-127	2	20	mg/kg	01/24/13 16:29	
Chloromethane	<0.00275	0.0598	0.0422	71	0.0382	64	34-157	10	20	mg/kg	01/24/13 16:29	
cis-1,2-Dichloroethene	<0.000792	0.0598	0.0594	99	0.0602	101	41-155	1	20	mg/kg	01/24/13 16:29	
cis-1,3-Dichloropropene	<0.000644	0.0598	0.0566	95	0.0557	93	63-128	2	20	mg/kg	01/24/13 16:29	
Dichlorodifluoromethane	<0.00141	0.0598	0.0427	71	0.0401	67	16-171	6	20	mg/kg	01/24/13 16:29	
Ethanol	<0.0335	2.39	0.855	36	0.873	36	23-148	2	20	mg/kg	01/24/13 16:29	
Ethylbenzene	<0.000676	0.0598	0.0592	99	0.0554	92	65-139	7	20	mg/kg	01/24/13 16:29	
Isopropyl Ether	<0.00152	0.0598	0.0611	102	0.0583	97	57-138	5	20	mg/kg	01/24/13 16:29	
Isopropylbenzene	<0.000907	0.0598	0.0684	114	0.0633	106	62-133	8	20	mg/kg	01/24/13 16:29	
m,p-Xylenes	<0.00145	0.120	0.130	108	0.125	104	69-130	4	20	mg/kg	01/24/13 16:29	
Methyl tert-butyl ether	<0.000829	0.120	0.0993	83	0.0944	79	48-169	5	20	mg/kg	01/24/13 16:29	
Methylene chloride	<0.00259	0.0598	0.0446	75	0.0423	71	17-184	5	20	mg/kg	01/24/13 16:29	
Naphthalene	<0.00156	0.0598	0.0588	98	0.0554	92	27-157	6	20	mg/kg	01/24/13 16:29	

QC Summary 456260

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 905403 Matrix: Soil Date Prep: 01/24/2013

Parent Sample Id: 456260-001 MS Sample Id: 456260-001 S MSD Sample Id: 456260-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.00105	0.0598	0.0708	118	0.0658	110	59-136	7	20	mg/kg	01/24/13 16:29	
n-Propylbenzene	<0.000935	0.0598	0.0706	118	0.0664	111	67-134	6	20	mg/kg	01/24/13 16:29	
o-Xylene	<0.000856	0.0598	0.0673	113	0.0657	110	71-124	2	20	mg/kg	01/24/13 16:29	
sec-Butylbenzene	<0.000786	0.0598	0.0736	123	0.0689	115	65-131	7	20	mg/kg	01/24/13 16:29	
Styrene	<0.000887	0.0598	0.0591	99	0.0580	97	50-143	2	20	mg/kg	01/24/13 16:29	
tert-Butylbenzene	<0.000997	0.0598	0.0696	116	0.0660	110	67-131	5	20	mg/kg	01/24/13 16:29	
Tetrachloroethene	<0.00124	0.0598	0.0641	107	0.0602	101	42-156	6	20	mg/kg	01/24/13 16:29	
Toluene	<0.000703	0.0598	0.0648	108	0.0616	103	65-128	5	20	mg/kg	01/24/13 16:29	
trans-1,2-Dichloroethene	<0.000933	0.0598	0.0489	82	0.0444	74	57-143	10	20	mg/kg	01/24/13 16:29	
trans-1,3-Dichloropropene	<0.000801	0.0598	0.0550	92	0.0545	91	55-141	1	20	mg/kg	01/24/13 16:29	
Trichloroethene	<0.000845	0.0598	0.0565	94	0.0589	98	39-150	4	20	mg/kg	01/24/13 16:29	
Trichlorofluoromethane	<0.00420	0.0598	0.0346	58	0.0312	52	34-179	10	20	mg/kg	01/24/13 16:29	
Vinyl acetate	<0.000862	0.0598	0.0527	88	0.0501	84	13-188	5	20	mg/kg	01/24/13 16:29	
Vinyl chloride	<0.00240	0.0598	0.0474	79	0.0442	74	40-161	7	20	mg/kg	01/24/13 16:29	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	67		65		50-150	%	01/24/13 16:29
4-Bromofluorobenzene	101		101		57-158	%	01/24/13 16:29
Toluene-D8	106		106		50-150	%	01/24/13 16:29

XENCO Laboratories

☐ 3231 NW 7th Ave, Boca Raton, Fl 33431 561-447-7373
☐ 2505 Falkenburg Rd, Tampa, Fl 33569 813-620-2000
☐ 6017 Financial Drive, Norcross, Georgia 30071 770-449-8800
☐ Philadephia/New Jersey 610-955-5649
☐ South Carolina 803-543-8099 ☐ Other

ANALYSIS REQUEST & CHAIN OF CUSTODY RECORD

Serial #: 259998 Page of

Company-City: MILL CREEK **Phone:** 706-579-1607

Lab Only: WO# 456260

Proj Name-Location ☐ Previously done at XENCO: APEX VILLAGE **Project ID:** AV-1301-2

TAT: ASAP 5h 12h (24h) 48h 3d 5d 7d 10d 21d Standard TAT is project specific.
It is typically 5-7 Working Days for level II and 10+ Working days for level III and IV data.

Proj State: AL, FL, GA, LA, MS, NC, NJ, PA, SC, TN, TX, UT Other **Proj. Manager (PM):** DAN CRUTFANTI

e-Mail Results to ☐ PM or **Fax No:** millcreek@windstream.net

Invoice to ☐ Accounting ☐ Inc. Invoice with Final Report ☐ Invoice must have a P.O Bill to:

Quote/Pricing: **P.O No:** ☐ Call for P.O.

Reg Program: UST DRY-CLEAN Land-Fill Waste-Disp NPDES DW GA HSRA

QAPP Per-Contract CLP AFCEE NAVY DOE DOD USACE OTHER:

Special DLs (GW DW QAPP MDLs RLs See Lab PM Included Call PM)

Sampler Name Signature

	Sample ID	Sampling Date	Time	Depth ft' in" m	Matrix	Composite	Grab	# Containers	Container Size	Container Type	Preservatives	VOCs Full-List BTEX-MTBE EtOH Oxyg VOHs VOAs	VOCs PP TCL DW Appdx-1 Appdx-2 CALL Other:	PAHs	FL PRO DRO GRO MA EPH MA VPH	SVOCs: Full-List DW BN&AE TCL PP Appdx-2 CALL	OC Pesticides PCBs Herbicides OP Pesticides	Metals: RCRA-8 RCRA-4 Pb 13PP 23TAL Appdx 1 Appdx 2	SPLP - TCLP (Metals VOCs SVOCs Pest. Herb. PCBs)	EDB / DBCP	EPA 8260	% MOISTURE								TAT ASAP 5h 12h 24h 48h 3d 5d 7d 10d 21d	Addn: PAH above mg/L W, mg/Kg S Highest Hit	Hold Samples (Surcharges will apply and are pre-approved)	Sample Clean-ups are pre-approved as needed			Addn:
1	S-1	1-23-13	12:00PM				X	4													X	X												1
2	S-2	1-23-13	3:00PM				X	4													X	X												2
3	S-3	1-23-13	5:00PM				X	4													X	X												3
4																																		4
5	GW-1	1-23-13	12:00PM				X	3													X													5
6	GW-2	1-23-13	3:00PM				X	3													X													6
7	GW-3	1-23-13	4:00PM				X	3													X													7
8	GW-4	1-23-13	4:30PM				X	3													X													8
9																																		9
10																																		10

Remarks From: Rcv by: Date Addn:

Relinquished by (Initials and Sign)	Date & Time	Relinquished to (Initials and Sign)	Date & Time
1) BJT	7:30PM 1-23-13	Dario Lagmas	01/24/13 10:20
2) 3)		4)	
3) 5)		6)	

Total Containers per COC: Cooler Temp: 2.5°C

Upon signings this COC you accept XENCO terms and Conditions unless otherwise agreed on writing. Reports are the Intellectual Property of XENCO until paid. Samples will be held 30 days after final report is e-mailed unless hereby requested. Rush Charges and Collection Fees are pre-approved.

Preservatives: Various (**V**), HCl pH<2 (**H**), H2SO4 pH<2 (**S**), HNO3 pH<2 (**N**), Asbc Acid&NaOH (**A**), ZnAc&NaOH (**Z**), (Cool,<4C) (**C**), None (**NA**), See Label (**L**), Other (**O**) _____

Cont. Size: 4oz (**4**), 8oz (**8**), 32oz (**32**), 40ml VOA (**40**), 1L (**1**), 500ml (**5**), Tedlar Bag (**B**), Various (V), Other _____ **Cont. Type:** Glass Amb (**A**), Glass Clear (**C**), Plastic (**P**), Various (**V**)

Matrix: Air (**A**), Product (**P**), Solid(**S**), Water (W), Liquid (L)

Committed to Excellence in Service and Quality *www.xenco.com*

Notice: Signature of this document and relinquishment of these samples constitutes a valid purchase order from client company to Xenco Laboratories and its affiliates, subcontractors and assigns under Xenco's standard terms and conditions of service unless previoiusly negotiated under a fully executed client contract.

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City DAWSONVILLE State GA ZIP 30531

2 Your Internal Billing Reference

3 To

Recipient's Name XENCO LABORATORIES Phone 770-449-8800

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8728 9595 4497

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01 ☒ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

05 ☐ FedEx Standard Overnight — Next business afternoon.* Saturday Delivery NOT available.

06 ☐ FedEx First Overnight — Earliest next business morning delivery to select locations.*

03 ☐ FedEx 2Day — Second business day.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

20 ☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

4b Express Freight Service • To most locations. *Packages over 150 lbs.*

70 ☐ FedEx 1Day Freight — Next business day.** Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

FedEx 1Day Freight Booking No

80 ☐ FedEx 2Day Freight — Second business day.** Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

83 ☐ FedEx 3Day Freight — Third business day.** Saturday Delivery NOT available.

5 Packaging • Declared value limit $500.

06 ☐ FedEx Envelope* 02 ☐ FedEx Pak* Includes FedEx Small Pak and FedEx Large Pak. 03 ☐ FedEx Box 04 ☐ FedEx Tube 01 ☒ Other

6 Special Handling and Delivery Signature Options

03 ☐ SATURDAY DELIVERY

☐ No Signature Required — Package may be left without obtaining a signature for delivery.

10 ☐ Direct Signature — Someone at recipient's address may sign for delivery. *Fee applies.*

34 ☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. *Fee applies.*

Does this shipment contain dangerous goods?

One box must be checked.

☑ No 04 ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. 06 ☐ Dry Ice Dry ice, 9, UN 1845 x kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

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1 ☒ Sender Acct. No. in Section 1 will be billed. 2 ☐ Recipient 3 ☐ Third Party 4 ☐ Credit Card 5 ☐ Cash/Check

Total Packages Total Weight lbs. Credit Card Auth.

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Mill Creek Environmental Services

Date/ Time Received: 01/24/2013 10:20:00 AM

Work Order #: 456260

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**N/A**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 01/24/2013

Checklist reviewed by: Eben Buchanan Date: 01/24/2013

APPENDIX F

EXPANDED PHASE II ESA – MILL CREEK ENVIRONMENTAL SERVICES, INC
MARCH 2013

March 18, 2013

Mr. Zachary Fisher
New Falls Property, LLC
PO Box 3807
Cary, North Carolina 27519
zacharyfisherpm@gmail.com

Subject: **Expanded Phase II Environmental Site Assessment Report**
Apex Village
500-610 East Williams Street
Apex, North Carolina 27501

Dear Mr. Fisher,

Mill Creek Environmental Services, Inc. (MCES) has completed an Expanded Phase II Environmental Site Assessment (ESA) for the subject property. The results of the Phase II ESA indicates the presence of regulated compounds in soil and groundwater at this property that exceed the NCDNER remediation goals established for those compounds. Although regulated compounds were detected in excess of their remediation goals, the concentrations detected are very low, are "spotty" in nature, and do not indicate a significant release of these compounds at this property. The extent of contaminants has been sufficiently defined and the very low concentrations detected are not a significant risk to human health or the environment.

NCDENR requires reporting of all detected compounds identified in soil or groundwater. In order to determine if additional regulatory action will be required, the property owner should submit this and previous reports to NCDENR to report the detections of regulated compounds in soil and groundwater. Based on the available data, no major regulatory clean-up actions are anticipated once the information is submitted to appropriate NCDENR programs.

Based on the findings of our investigations, MCES recommends the following actions for this property:

- Obtain and review NCDENR files that have been previously ordered to determine if compounds detected in groundwater at the property may be remnant contaminants from the formerly "closed out" UST (Tank 1) system;
- Retroactively register the used oil UST (Tank 2) and correct the discrepancies in the diesel UST (Tank 3) registration documents. Remove both existing UST systems from the ground, collect additional soil samples from beneath the tanks, and submit a UST closure reports in accordance with NCDENR UST closure guidance;

- Submit the data contained in this report and the data obtained during the UST closures to NCDENR accompanied by a letter detailing former and current site conditions. The letter should be accompanied by all site investigations conducted for this property; and,
- Work with the existing tenants to implement best management practices for the storage, use, and handling of petroleum products and other regulated compounds to prevent future impacts to the soil and groundwater at the subject property;

It is our professional opinion that the cost for implementing the above recommendations and obtaining site closure will not exceed $50,000.

Attached is the Phase II ESA Report for the subject property. Please review and feel free to call the undersigned if you have questions, comments, or if we can assist in implementing our recommendations.

Sincerely,
MILL CREEK ENVIRONMENTAL SERVICES, INC.

Jake Irwin
Program Manager

Dan Centofanti, P.G.
Project Manager

Phase II Environmental Site Assessment

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina

Prepared for:

New Falls Property, LLC
PO Box 3807
Cary, North Carolina 27519

Prepared by:

Mill Creek Environmental Services, Inc.
1818 Perimeter Road
Dawsonville, Georgia 30534

Prepared By:

Dan Centofanti, P.G.
Project Manager

Reviewed By:

Jake Irwin
Program Manager

March 2013

1818 Perimeter Road • Dawsonville, GA 30534
706-579-1607 PHONE • 1-706-265-4916 FAX • www.millcreekenvironmental.com

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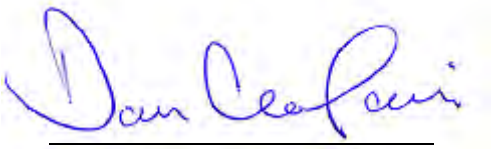
1 CERTIFICATION

I have performed this assessment in accordance with generally accepted environmental practices and procedures as of the date of this report. I have employed the degree of care and skill ordinarily exercised under similar circumstances by reputable environmental professionals practicing in this area. The conclusions contained within this assessment are based upon site conditions readily observed or were reasonably ascertainable and present at the time of the site inspection, reasonably ascertainable regulatory information, and reasonably ascertainable historical information.

The scope of this assessment does not purport to encompass every report, record, or other form of documentation relevant to the property being evaluated. To the best of my knowledge, this Environmental Site Assessment has been performed in compliance with ASTM Standard 1903-11 for Phase II Environmental Site Assessments.

We declare that, to the best of our professional knowledge and belief, we meet the definition of an Environmental Professional as defined in §312.10 of 40 CFR 312 and we have the specific qualifications based on education, training, and experience to assess a property of the nature, history, and setting of the subject property. Professional Qualifications are included in **Appendix A**.

Directed By:



Dan Centofanti, PG
Senior Geologist

March 17, 2013

2 INTRODUCTION

Mill Creek Environmental Services, Inc. (MCES) has completed an Expanded Phase II Environmental Site Assessment (ESA) for the property located at 500-610 East Williams Street in Apex, Wake County, North Carolina. The Expanded Phase II ESA was performed in accordance with the American Society for Testing and Materials (ASTM) Standard Practice E 1903-11.

3 BACKGROUND

At the request of the user, MCES completed a Phase I ESA and Limited Phase II Subsurface Investigation at the subject property on January 23, 2013. Results of the findings from those investigations are summarized below. Please refer to the full Phase I Environmental Site Assessment and Limited Phase II Subsurface Investigation dated January 2013 for additional details and information on this property.

3.1 Site Description

The subject property is located on at 500-610 East Williams Street, Apex, Wake County, North Carolina and is composed of one parcel of land with an area of approximately 5.74 acres. This property is currently occupied by Apex Village Business Center, (a multi-tenant commercial development) and is referred to in this report as the "subject property". The subject property is a single tract bordered by East Williams Street to the north, James Street to the south, Short Street to the west, and an unnamed tributary of Middle Creek to the east.

The subject property is located in a commercial and residential area of Apex, North Carolina. Improvements to the subject property include five commercial buildings with a total enclosed area of approximately 68,600 square feet. The remaining property is composed of an asphalt parking lot and landscaped areas. Current tenants include a variety of small businesses including restaurants, professional offices, auto repair shops, and retail stores. Noteworthy tenants include Southern Tire Store, R&J Auto Repair, and Carquest Auto Parts.

A site location map is presented as **Figure 1**. A site plan showing the subject property and adjoining properties is provided as **Figure 2**.

3.2 Soils and Geology/Hydrogeology

Based on MCES' review of the United States Geologic Survey (USGS) 7.5-minute topographic quadrangle map titled Apex, North Carolina, the subject property is situated at an elevation of approximately 470 feet above mean sea level (msl). The subject property has a gently sloping downward topographic gradient to the southeast.

The subject property is situated in the Piedmont Physiographic Province of North Carolina. The geology of this area is characterized by metamorphic rocks from the late Proterozoic to early Paleozoic era. Lithologies below the property include rock such as gneiss, schist, and amphibolite. These rocks weather to form a reddish-brown soil called residuum, which consists of various amounts of sand, clay

and silt mixtures. When the relict structure of the parent rock is retained in the residuum, it is called saprolite, which is formed in-place from bedrock that has been highly weathered into a soft soil.

Based on review of available information, the most common soil type found in the vicinity of the subject property belongs to the Mayodan soil series. Mayodan soil is a sandy loam to silty clay that belongs to Hydrologic Class "B" and exhibits moderate infiltration rates.

The depth to groundwater at the site ranges from approximately 8 to 14 feet below ground surface (BGS) based on observations made during the soil and groundwater sampling activities conducted as part of the Phase II subsurface investigations completed at the property.

3.2.1 Key Generalizations of Piedmont Hydrogeology

The following sections describe known generalizations of Piedmont hydrogeology as well as known properties from similar lithologies. Generalizations have been developed to form a conceptual model of the hydrogeology of the Piedmont Physiographic Province (Harry LeGrand, 1989). The generalizations were compiled from large amounts of data and are utilized to develop a site specific conceptual model for the site:

- Groundwater occurs in two separate media in the Piedmont: 1) clayey granular soil and saprolite, and; 2) fractures and linear openings in the bedrock. The more permeable soil and saprolite have a relatively large groundwater storage capacity, but transmit it slowly. The less permeable crystalline bedrock system has a relatively low storage capacity and groundwater mainly occurs in fractures and openings in the bedrock.
- The two groundwater bearing units are typically treated a separate aquifer systems. The top of the Piedmont bedrock aquifer system generally acts as a confining layer to restrict downward flow from the shallow soil and saprolite aquifer into the deeper bedrock aquifer.
- Recharge of the groundwater system is from infiltration of precipitation.
- Streams are linear lows in the water table. Topography of the water table generally mimics that of the ground surface, but with less relief.
- The behavior of groundwater can be estimated using the aquifer slope model where natural conditions prevail. This is a general concept that groundwater recharge occurs in upland areas and discharge occurs in local perennial streams. Only under rare conditions does groundwater pass beneath a perennial stream to a more distant stream.

These generalizations are used to develop a local conceptual model of the site, which is discussed later in the report.

3.3 <u>Site History</u>

Historical information regarding the subject property was obtained from personal interviews, review of aerial photos, review of a previous ESA reports, review of historical city directory listings, and review of files available at the North Carolina Department of Environmental and Natural Resources (NCDENR) offices.

Based these reviews, it appears that the subject property was occupied by a private residence and Triplett CC Grading Contractors Company in 1967. Sometime between 1967 and 1988 the property

was developed into its current configuration as a multi-tenant shopping center. Current and former tenants include auto parts stores, auto maintenance and repair operations, hardware store, dry cleaning establishments, gas station/convenience store, printing company, restaurant, offices, and a variety of other businesses. The site has not been significantly altered since 1988. Additional information and findings are discussed in the following sections.

3.4 Previous Reports

MCES reviewed the Phase I ESA report that was prepared for the subject property in March of 1999 by Ed Aguirre & Associates, Inc. of Raleigh, North Carolina. MCES prepared a Phase I ESA and Limited Phase II Subsurface Investigation at the subject property in January 2013. Relevant findings from those investigations are summarized below. Please refer to the full Phase I ESA and Limited Phase II Subsurface Investigation dated January 2013 for additional details and information on this property.

3.4.1 Ed Aguirre & Associates, Inc. Phase I ESA, March 1999

The March 1999 ESA report noted that there was a confirmed release of petroleum from three former underground storage tanks (USTs) associated with the convenience store that was located on the north side of the subject property from 1965-1982. According to the 1999 ESA report, the three (3) USTs were removed in 1993 and soil contamination was detected in the tank pit area. However, the ESA notes that groundwater samples collected during site investigation activities did not contain petroleum constituents at concentrations above the NCDENR, Division of Water Quality action limits. A review of current database files from NCDENR list the former site as the Nivision Property (Apex Hardware and Southern Tire Store.) The current database also lists the UST site as “closed out”. The NCDENR “closed out” status indicates that no additional action is required for the release from the USTs. This UST system is referred to in this report as Tank 1.

The 1999 Phase I ESA also reported the presence of a 500-gal above ground storage tank (AST) and minor oil staining on the ground behind the auto parts store that formerly occupied 548 Williams Street (Apex Ace Hardware). The report recommended the removal of the AST and stained surface soils.

3.4.2 MCES Phase I ESA, January 2013

Based on the information gathered during the completion of the January 2013 Phase I ESA, the following Recognized Environmental Conditions were identified at the subject property:

- A listing on the NCDENR database, identified as one (1) 275-gallon diesel UST registered to W.B. Nivison of Raleigh, North Carolina and located at Martin Cleaners, 540 East Williams Street. No additional information was listed and MCES could not confirm the presence of this UST on the subject property. This UST is referred to in this report as Tank 2.
- The observed presence of a UST at 548 East Williams Street (Southern Tire Store) without a clear record of current or past regulatory compliance. It was assumed that due to address number changes over the years, the UST listed as Martin Cleaners was the same UST identified by our site reconnaissance at the Southern Tire Store. This UST is referred to in this report as Tank 3; and,

- The presence of a dry cleaning and commercial laundry operations at the subject property during the approximate time period of 1979-1989 and the listing of this facility in the RCRA Non-Gen/NLR database as a former hazardous waste generator.

In addition, the following Historic Recognized Environmental Condition (HREC) was identified at the subject property:

- A confirmed release of fuel from the former UST system (Tank 1) that was removed from the property in 1993.

Since the former UST system has received a "closed out" status from the NCDENR and no groundwater contamination was identified in excess of applicable standards, this is not an REC that would normally require additional action. However, since additional action was recommended for the other RECs, this HREC was also included in the recommendations provided.

Based on the presence of the Recognized Environmental Conditions, MCES recommended the completion of a Limited Phase II Subsurface Investigation concurrently with the preparation of the Phase I ESA report.

3.4.3 MCES Limited Phase II ESA, January 2013

At the request of the User, MCES completed a Limited Phase II Subsurface Investigation at the Subject property on January 23, 2013. The scope of the Phase II was directed specifically to address potential volatile organic compound (VOC) impacts to the soil and groundwater at locations of concern on the subject property. The scope of work included the completion of soil borings at five (5) locations and the collection of soil and/or groundwater samples from the soil borings.

Upon receipt of the analytical data reports for the soil and groundwater samples, MCES evaluated and compared the results with the regulatory remediation goals for each detected compound. Laboratory analytical data indicated that six (6) regulated compounds were detected in soil samples collected from borings S-1 and S-2, none of which exceeded their respective remediation goals. Six (6) regulated compounds were detected in groundwater samples collected from borings GW-1 and GW-2. Of these, two (2) compounds, naphthalene and tetrachloroethylene exceeded their respective regulatory standards. Due to the detections of these compounds, the user and lender requested additional investigation activities at this property.

Soil and groundwater sampling locations are illustrated on **Figure 3**. Sampling results are summarized in **Tables 1 and 2**. Additional evaluation and discussions are included in the Limited Phase II Subsurface Investigation dated January 2013.

4 PURPOSE AND SCOPE OF WORK

4.1 Purpose

The purpose of this Expanded Phase II ESA is to conduct additional research and to evaluate known impacts to soil and groundwater that were discovered during the Limited Phase II ESA previously conducted for this property. Specific project purposes are as follows:

1) To conduct additional research and field investigation for the used oil UST (Tank 2) located at Southern Tire Store. Specifically, to obtain data on the size, location, and regulatory status of the UST and to collect additional soil and groundwater samples to determine if soil and/or groundwater has been impacted by the presence of this UST on the property.

2) To address the discrepancy for the UST (Tank 3) reported at Martin Cleaners. Specifically, to complete a ground penetrating radar survey to determine if there is a UST present at that location and to collect additional soil and groundwater samples to determine if soil and/or groundwater has been impacted by the presence of this UST on the property.

3) To address the detection of solvents and petroleum compounds detected in soil and groundwater at the facility. Specifically, to complete expanded Phase II ESA investigations and further define the source and extent of compounds detected.

The Phase II ESA is intended to provide a potential purchaser and lender sufficient information to make an informed business decision regarding the purchase of the property. The purpose of the investigation is also to obtain a better understanding of the potential environmental liabilities for the property and the financial impacts of such liabilities.

4.2 Scope of Work

The scope of work completed for this project is intended to meet the project purpose, address lender concerns, and provide data necessary to document compliance with regulatory requirements. The following tasks were completed during the performance of the Expanded Phase II ESA:

- Files were requested from the NC DNER UST Section for the two (2) registered UST systems (Tank 1 and 2) on the property.
- Research was conducted for the unregistered UST (Tank 3) located on the property.
- A ground penetrating radar (GPR) survey was conducted in the areas of suspected USTs at the property.
- Eight (8) additional direct-push soil borings were completed at the property in locations selected based on known and potential environmental concerns, previously detected contaminants, topography, and utilities.
- Soil samples were collected from each boring and analyzed with a photo-ionization detector (PID) to screen for volatile organic compound (VOC) vapors. Select soil samples were collected based on boring locations and PID readings and submitted to a certified laboratory and analyzed for parameters appropriate for each specific concern and location.
- Groundwater samples were collected from each boring and submitted to an approved laboratory and analyzed for parameters appropriate for each specific concern.

Sampling parameters were chosen to conform with NCDENR UST Section and NCDENR Inactive Hazardous Sites Branch (IHSB) guidance documents. Phase II ESA tasks were completed in accordance with the ASTM E 1903-11 Standard Practice for Environmental Site Assessments. All work was conducted by a NC Licensed Professional Geologist.

4.3 Limitations

The report and any other information which MCES prepared and submitted to New Falls Property, LLC **(*the user*)** in connection with this project (the "Report") are for the sole use and benefit of ***the user*** and may not be used or relied upon by any other person or entity without the prior written consent of ***the user*** and MCES, except as provided for specifically in the agreement. Any such consent given by MCES will be deemed to be and will be subject to the terms and conditions as MCES may reasonably require, including without limitation a monetary limit to MCES' liability to any person granted such consent (the "Grantee"), and any such Grantee will be deemed to have agreed to such terms and conditions by its use and reliance on the Report. The use or re-use of this document or the findings, conclusions, or recommendations presented herein, by any other party or parties is at the sole risk of said user.

MCES and ***the user*** agree that (1) the information in the report relates only to the property specifically described in the Report and was presented in accordance with and subject to the scope of work described in the Report or specifically agreed to by MCES and ***the user***; (2) the information and conclusions provided in the Report apply only to the subject property as it existed at the time of MCES' 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 Report may no longer apply; (3) MCES makes no representations regarding the value or marketability of this property or its suitability for any particular use, and none should be inferred based on the Report; (4) the Report is intended to be used in its entirety and no excerpts may be taken to be representative of the findings of this investigation; and (5) environmental land-use issues and constraints of possible relevance (e.g., wetland surveys, sensitive habits, radon, lead paint, asbestos, etc.), were not included in this scope of services.

5 INVESTIGATION PROCEDURES AND FINDINGS

The following sections summarize the procedures and results of our investigations.

5.1 Ground Penetrating Radar

A ground Penetrating Radar (GPR) survey was conducted at the property on March 7, 2013 by Ground Penetrating Radar Systems, Inc. (GPRS) The purpose of the GPR survey was to locate suspected USTs on the subject property and to clear soil boring locations of potential subsurface utilities prior to drilling.

The results of the GPR survey positively identified the presence of two (2) USTs on the property; 1) an unregistered 200-gallon used oil UST (Tank 2) located at the rear of the Southern Tire Store, and 2) a registered 2000-gallon diesel UST (Tank 3) located at the front of the former Martin Cleaners business. Locations of the USTs are shown in Figure 2. The GPRS survey report is included as **Appendix B**.

5.2 Research and File Reviews

Tank 1. Our site reconnaissance conducted in March of 2013 positively identified the location of the former UST system listed as Nivision Property (Apex Hardware and Southern Tire Store, 500 block of East Williams St.) as shown on Figure 2. This positive identification was confirmed by the presence of cracks and depressions in the asphalt pavement that indicate settlement of the former UST excavations

and dispenser islands. This UST system has a "closed out" status with the NCDENR and no further action is required. Copies of all files for this facility were ordered from NCDENR to determine the types, concentrations, and locations of remnant soil and/or groundwater contamination remaining on the property at the time the "closed out" status was granted. As of the date of this report no files had yet been received from the NCDENR.

Tank 2. Discussions with the owner of Southern Tire Store revealed that the existing UST located at the rear of that business is a 200-gallon UST that was originally installed as a kerosene heating oil tank and was therefore exempt from the NC UST registration and compliance regulations. When Southern Tire Store stopped heating their facility with kerosene they disconnected the UST from the heater and began using it as a used oil UST. The UST is currently unused, is capped, and contains approximately 4-inches of used motor oil.

Tank 3. Information obtained from the NCDENR UST Section revealed that the existing UST registered at the Martin Cleaners business was originally registered as a 2000-gallon diesel UST, but was later changed to a 275-gallon diesel UST. GPR surveys conducted at the property confirmed the location and size of the UST as 2000-gallon.

5.3 Expanded Subsurface Investigation

At the request of the user and as part of this Expanded Phase II ESA, MCES completed an expanded subsurface investigation at the subject property on March 7-8, 2013. The scope of the subsurface investigation was directed specifically to address petroleum and volatile organic compounds detected during previous Phase II ESA investigations. The subsurface investigation was also designed to collect additional data required to support the closure of the two existing USTs identified at the property.

The scope of work for the subsurface investigation included the completion of soil borings at eight (8) locations and the collection of soil and/or groundwater samples from the soil borings. The procedures and findings of the limited subsurface investigation are discussed in the following sections.

5.3.1 Soil Boring Location Rationale

Boring locations were chosen to address potential impacts from the RECs that were identified during the Phase I ESA and to further define the extent of contaminants detected during the previously conducted Limited Phase II ESA. The following is our rationale for soil and groundwater sampling locations:

- S-1/GW-1. To evaluate soil and groundwater adjacent the former dry cleaning business and adjacent to the formerly "closed out" UST (Tank 1) area.
- S-2/GW-2. To evaluate soil and groundwater adjacent to the existing used oil UST (Tank 2) and evaluate groundwater downgradient of the former dry cleaning business.
- S-3. To evaluate soil adjacent to the former dry cleaning business.
- GW-3. To evaluate groundwater adjacent to the existing printing company and downgradient of the dry cleaners, auto repair, and UST areas.
- GW-4. To evaluate groundwater adjacent to the existing car wash and downgradient of the dry cleaners, auto repair, and UST areas.

- SB-1. To evaluate soil and groundwater concentrations downgradient of the former dry cleaner facilities, to further define the extent of naphthalene detected in groundwater at GW-1 and GW-2, and tetrachloroethylene detected in groundwater at GW-2, and to evaluate groundwater concentrations in the proximity of the used oil UST (Tank 2) and downgradient of the diesel UST (Tank 3).
- SB-2. To evaluate soil and groundwater concentrations downgradient of the former dry cleaner facilities, to the further define extent of naphthalene detected at GW-1 and GW-2, and tetrachloroethylene detected at GW-2, and to evaluate soil and groundwater concentrations in the proximity of the used oil UST (Tank 2). To evaluate the vertical extent of tetrachloroethylene detected in groundwater at GW-2.
- SB-3. To further define the extent of naphthalene and tetrachloroethylene detected in groundwater at GW-2.
- SB-4. To further define the extent of naphthalene detected in groundwater at GW-1.
- SB-5. To further define the extent of naphthalene detected in groundwater at GW-1 and the naphthalene and tetrachloroethylene detected in groundwater at GW-2, and to evaluate groundwater concentrations downgradient of the former UST (Tank 1) area located on the northeastern portion of the property.
- SB-6. To evaluate groundwater concentrations downgradient of the former dry cleaner facilities, to the further define extent of naphthalene detected at GW-1 and GW-2, and tetrachloroethylene detected at GW-2, and to evaluate groundwater concentrations in the vicinity of the former used oil AST.
- SB-7. To evaluate soil and groundwater concentrations adjacent to the former dry cleaners and diesel UST (Tank 3), and to further define the extent of naphthalene detected in groundwater at GW-1.
- SB-8. To evaluate potential groundwater contaminants downgradient of the former dry cleaners and diesel UST (Tank 3).

The boring locations were chosen based on information obtained to date, site conditions, and the fate and transport characteristics of chemicals of concern. A description of soil and groundwater sampling procedures is provided in the following sections.

5.3.2 Subsurface Investigation Procedures

On March 7-8, 2013, MCES mobilized to the site with The Probing Company, Inc. to complete the soil borings. A truck-mounted GeoProbe direct-push drilling system was used to advance 2.25-inch diameter borings through surface soils at eight (8) locations at the subject property. Each boring was continued to approximately 20-feet below ground surface (BGS), while SB-2 was advanced to probe refusal on bedrock at 30-feet BGS. Soil and/or groundwater samples were collected from each location. Upon completion of soil and groundwater sampling, each boring was filled with bentonite pellets to within 0.5-foot of the ground surface. The remainder of the borehole was then patched with

asphalt to match the surrounding ground cover. Soil boring locations are illustrated in **Figure 3**. Soil boring logs are included in **Appendix C**.

5.3.2.1 Soil Sampling Procedures

During the completion of each soil boring, continuous soil samples were collected using a 4-foot macro-core sampling device with polyethylene liners. A soil vapor headspace analysis was conducted on each sample interval using a photo-ionization detector (PID). Significant volatile organic vapors were not detected in any of the borings advanced for this expanded subsurface investigation. Soil samples were collected for laboratory analysis from SB-1 (0-4'), SB-2 (4-8'), and SB-7 (4-8'). Soil samples were placed in laboratory provided containers, sealed, labeled, placed on ice, and shipped to Xenco Laboratories, Inc. under standard chain of custody procedures.

5.3.2.2 Groundwater Sampling Procedures

Upon contact with groundwater, the drilling rods were advanced further and then raised two or three feet from the bottom of the boring. A groundwater sample was then collected by inserting a suitable length of 0.25-inch polyethylene tubing into the boring through the hollow stem of the rods and using a peristaltic pump to collect water samples directly into laboratory provided containers. Groundwater was encountered in the borings at depths ranging from 8-14 feet BGS. Groundwater samples were colleted from each of the eight (8) borings. The groundwater samples were placed directly into laboratory provided containers, sealed, labeled, placed on ice, and shipped to Xenco Laboratories, Inc. under standard chain of custody procedures.

5.3.3 Subsurface Investigation Results

Upon receipt of the analytical data reports for the soil and groundwater samples, MCES evaluated and compared the results with the regulatory remediation goals for each detected compound. For soil, the established remediation goals are listed in the NCDENR Inactive Hazardous Sites Branch, Preliminary Soil Remediation Goals (PSRGs) Table, July 2012 and the NCDENR UST Section, Maximum Soil Contaminant Concentrations Table. For groundwater, the established remediation goals are the NCDENR Rule 15A NCAC 02L.0200 Classifications and Groundwater Quality Standards (for Protection of Groundwater). The comparison is summarized on Table 1 and 2 and in the following sections.

5.3.3.1 Soil Analytical Results

Laboratory analytical data indicated trace concentrations of many compounds in the soil samples collected from the site. A complete list of compounds detected is included in **Appendix D**. Of the compounds detected, only one (1) exceeded it's respective remediation goal. The following is a summary of the detected compound that exceeded it's respective remediation goal.

Boring	Compound	Detected Concentration	NC Remediation Goal
SB-2, 4-8'	Naphthalene	**1.01 mg/kg**	0.16 mg/kg UST 0.21 mg/kg IHSB

Soil sampling locations and results are illustrated on **Figure 3**. Laboratory analytical data is summarized on Table 1. Laboratory analytical reports are included in **Appendix D**.

5.3.3.2 Groundwater Analytical Results

Laboratory analytical data indicated trace concentrations of many compounds in the groundwater samples collected from the site. A complete list of compounds detected is included in **Appendix D**. Of the compounds detected, only three (3) exceeded their respective remediation goals. The following is a summary of the detected compounds that exceeded their respective remediation goals.

Boring	Compound	Detected Concentration	NC Remediation Goal
GW-1	Naphthalene	**8.68 ug/l**	6.0 ug/l
GW-2	Naphthalene	**8.35 ug/l**	6.0 ug/l
	Tetrachloroethene	**1.08 ug/l**	0.7 ug/l
SB-6	Naphthalene	**10.8 ug/l**	6.0 ug/l
	Tetrachloroethene	**1.82 ug/l**	0.7 ug/l
SB-7	Bis(2-ethylhexyl) phthalate	**6.67 ug/l**	3.0 ug/l
SB-8	Bis(2-ethylhexyl) phthalate	**4.67 ug/l**	3.0 ug/l

Soil sampling locations are illustrated on **Figure 3**. Laboratory analytical reports are included in **Appendix D.**

Laboratory analytical data indicated trace concentrations of many compounds in the soil samples collected from the site. A complete list of compounds detected is included in **Appendix D**. Of the

5.4 Site Conceptual Model

A local site conceptual model was developed for the Apex Village property. The purpose of the site conceptual model is to develop an understanding of the geology and hydrogeology, groundwater flow patterns at the site, and the fate and transport of contaminants identified at the site. The site conceptual model is a means of achieving a graphic idealization of hydrogeologic site conditions with limited site data. The model is a simplification of actual conditions at the site. The conceptual model is consistent with data and observations to date.

5.4.1 Local Hydrogeologic Model

Two distinct lithologic zones exist below the site: the soil and saprolite and competent bedrock. Separate aquifers are found in each of the two lithologies, with a shallow water table aquifer being located in the soil and saprolite and a bedrock aquifer being located in fractures in the competent bedrock. The bedrock aquifer was not investigated during this Phase II ESA and discussions are included for reference. The surficial aquifer at the site is estimated to be approximately 20-feet thick, starting at the water table located from 8-14 feet BGS and ending at the top of bedrock identified in SB-2 at approximately 30-feet BGS.

Based on the aquifer slope model discussed previously, groundwater recharge occurs in upland areas and discharge occurs in local perennial streams. Only under rare conditions does groundwater pass

beneath a perennial stream to a more distant stream. The upper surface of the bedrock typically acts as a confining surface to separate the two aquifer units. Groundwater flow at the site is assumed to mimic topography, with recharge being upgradient to the northwest, groundwater flow towards the southeast, and groundwater discharge to the stream located on the eastern property boundary.

5.4.2 Contaminant Fate and Transport

Naphthalene detected in soil and groundwater originated from non-point source contaminants entering the soil and surficial groundwater system from historical drips and spills of automotive and hydraulic oils and leached from the asphalt pavement covering the majority of the property. This can be demonstrated by the presence of naphthalene in groundwater collected from GW-1, which is located topographically upgradient of all the potential sources of naphthalene located on the property. This is also demonstrated by the low concentrations and the widespread “spotty” nature of the detections.

Tetrachloroethylene detected in groundwater is assumed to originate from the Southern Tire Store and/or the former Apex Hardware. Historical use of tetrachloroethylene as an automotive and small engine parts washing solvent at these facilities may have led to the isolated and low concentrations detected at the property. No correlation can be made between the tetrachloroethylene and the former dry cleaners located on the property. This lack of correlation is validated by the absence of tetrachloroethylene in soil and groundwater samples collected around the former dry cleaner locations.

Bis (2-ethylhexyl) phthalate is a compound found in PVC, plastic, and rubber products and has been documented to be found almost everywhere in our environment. It is our assumption that the bis (2-ethylhexyl) phthalate detected in groundwater samples collected from SB-7 and SB-8 are the results of cross contamination from sampling equipment, laboratory contamination, and/or from leaching of this compound from a PVC water line that is located adjacent to those sampling locations.

Contaminants that have the potential to migrate with groundwater will conform to the aquifer slope model, be transported to the southeast, and discharge to the stream on the eastern property boundary. The stream on the eastern property boundary acts as a hydraulic barrier to groundwater flow and defines the maximum downgradient extent of the contaminants detected on the property. The top of bedrock identified at 30-feet BGS in SB-2 acts as a restrictive layer to vertical movement of groundwater. Samples collected from SB-2 at 30-feet BGS did not contain contaminants in excess of their respective remediation goals and demonstrates that the vertical extent of contaminants and been defined. The horizontal extent of contaminants of concern has been sufficiently defined for the purpose of this investigation. This conceptual groundwater flow model is conservative in that natural process such as absorption, adsorption, dispersion, dilution, and biodegradation will significantly limit the contaminants movement with groundwater.

6 PHASE II ESA CONCLUSIONS

The results of the Phase II ESA indicates the presence of regulated compounds in soil and groundwater at this property that exceed the NCDNER remediation goals established for those compounds. Although regulated compounds were detected in excess of their remediation goals, the concentrations detected are very low, are “spotty” in nature, and do not indicate a significant release of these

compounds at this property. Overall the results appear to be what is expected of minor drips, spills, and non-point sources from this type of property.

Sufficient investigation has been conducted to understand the nature and extent of contaminants detected at this property. Justification for this conclusion is as follows:

1) Contaminants detected are assumed to be from non-point sources, meaning a specific structure or operation such as a tank or dry cleaner could not be positively identified as the source of the contaminants.

2) Contaminants identified are of trace concentration and are widespread and 'spotty" in nature. The very low concentrations detected are not a significant risk to human health or the environment.

3) Sufficient understanding of Piedmont hydrogeology and of the fate and transport of detected contaminants is known to validate that the nature and extent of contaminants has been sufficiently defined for the purpose of this investigation.

It is our professional opinion that additional subsurface investigation activities will not provide additional useful information towards the goals of the user or lender.

NCDENR requires reporting of all detected compounds identified in soil or groundwater. In order to determine if additional regulatory action will be required, the property owner should submit this and previous Phase I and II ESA Reports to the NCDENR for review to report the detections of regulated compounds in soil and groundwater. Based on the available data, no major regulatory clean-up actions are anticipated once the information is submitted to appropriate NCDENR programs.

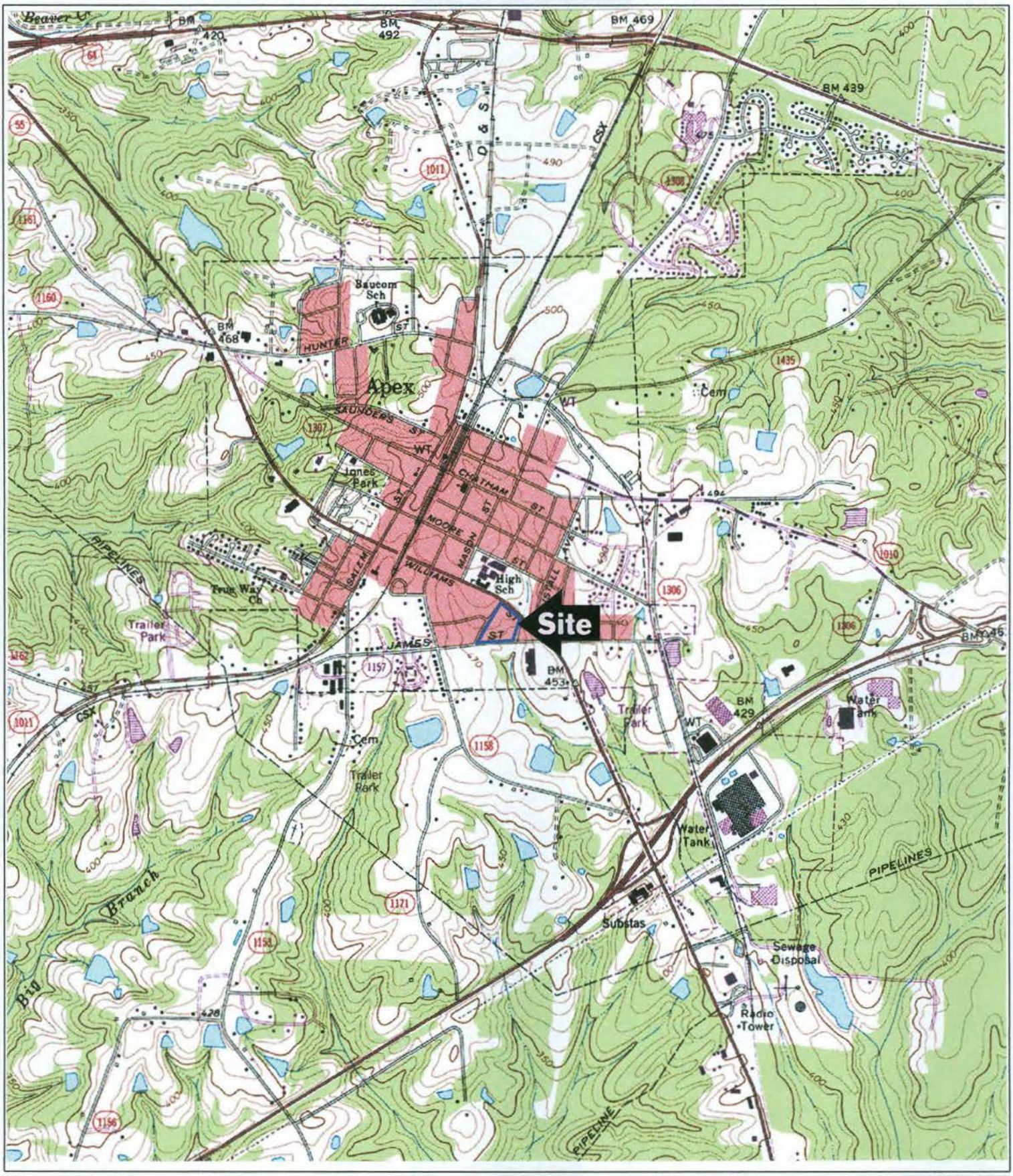
7 RECOMMENDATIONS

Based on the findings of our investigations, MCES recommends the following actions for this property:

- Obtain and review NCDENR files that have been previously ordered to determine if compounds detected in groundwater at the property may be remnant contaminants from the formerly "closed out" UST (Tank 1) system.
- Retroactively register the used oil UST (Tank 2) and correct the discrepancies in the diesel UST (Tank 3) registration documents. Remove both existing UST systems from the ground, collect additional soil samples from beneath the tanks, and submit a UST closure reports in accordance with NCDENR UST closure guidance;
- Submit the data contained in this report and the data obtained during the UST closures to NCDENR accompanied by a letter detailing former and current site conditions. The letter should be accompanied by all site investigations conducted for this property.
- Work with the existing tenants to implement best management practices for the storage, use, and handling of petroleum products and other regulated compounds to prevent future impacts to the soil and groundwater at the subject property;

We would be pleased to assist you in implementing the above recommendations, if required. Please contact us if you have questions, comments, or if we can be of assistance in any other way.

FIGURES



MCES

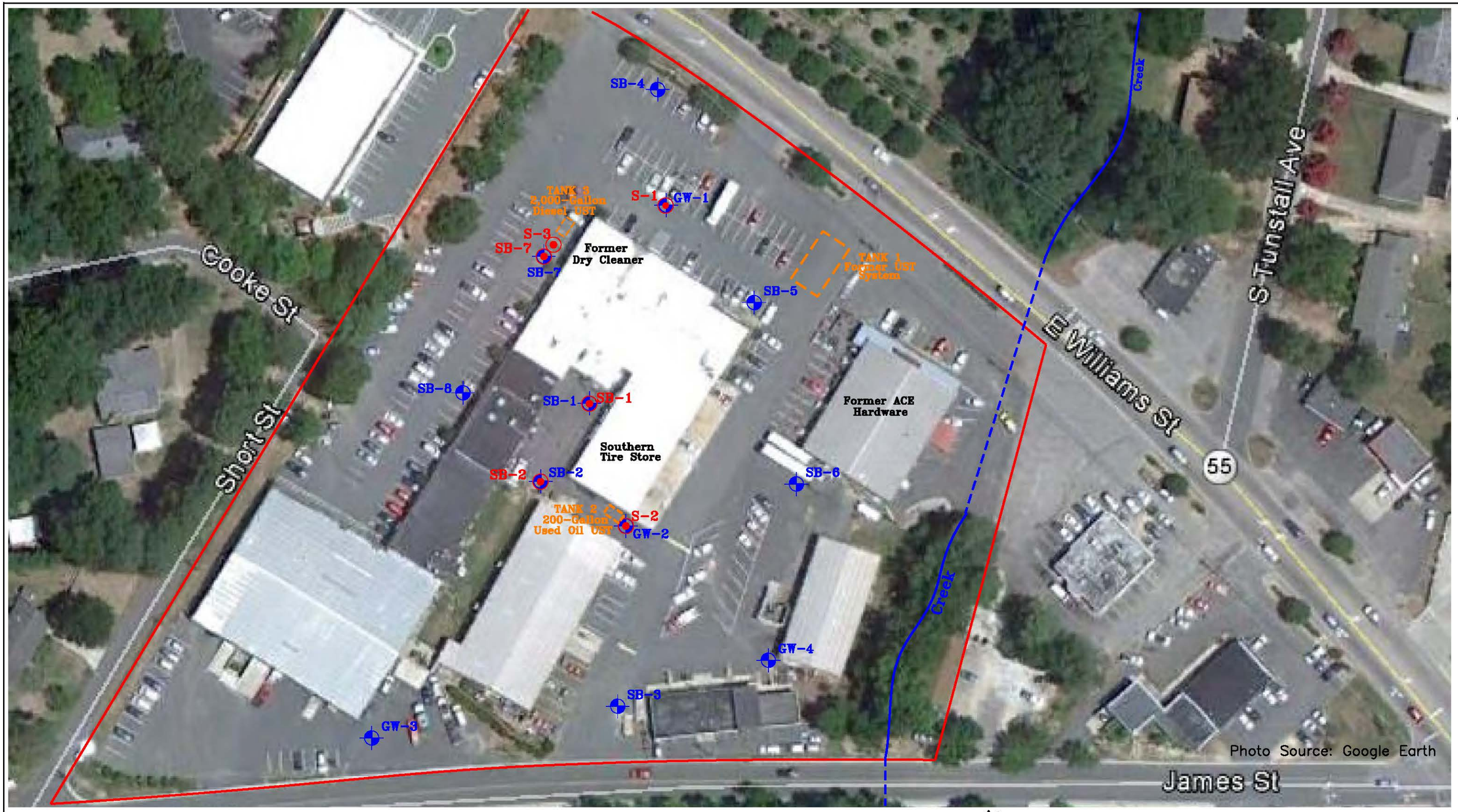
MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Rd.
Dawsonville, Georgia 30534
706-579-1607

FIGURE 1: SITE LOCATION MAP

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina

0 1000 2000
SCALE IN FEET
1 INCH = 2000 FEET

SOURCE: Maptech Terrain Navigator 1:24,000 scale topographic map, 1997



LEGEND

GW-1 *Geoprobe Sampling Groundwater Location*

S-1 *Geoprobe Sampling Soil Location*

MILL CREEK
ENVIRONMENTAL SERVICES
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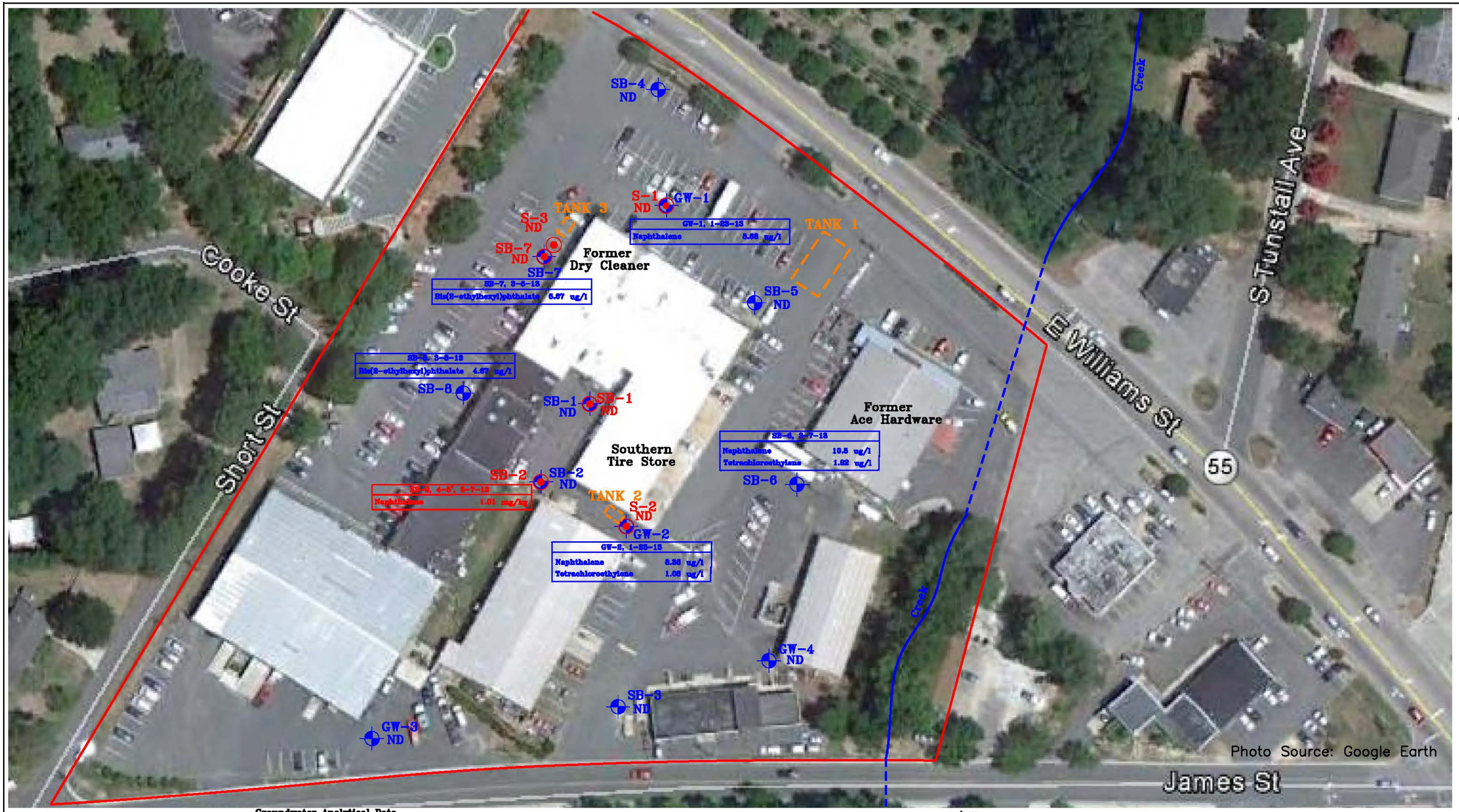
Dawsonville, Georgia 30534
706-579-1607

FIGURE 2: SITE PLAN
Phase II ESA
January 23 and March 7-8, 2013
Apex Village
500-610 E Williams Street
Apex, Wake County, Georgia



LEGEND

GW-1 Geoprobe Sampling Groundwater Location

S-1 Geoprobe Sampling Soil Location

Groundwater Analytical Data

GW-2, 1-23-13	
Tetrachloroethylene	1.06 ug/l

Sample ID and Collection Date

Detected Compound and Concentration

All concentrations given in micrograms per liter (ug/l)

ND = None Detected in Excess of Clean-Up Criteria

Soil Analytical Data

SB-2, 4-6', 3-7-13	
Naphthalene	1.01 mg/kg

Sample ID and Collection Date

Detected Compound and Concentration

All concentrations given in milligrams per kilogram (mg/kg)

ND = None Detected in Excess of Clean-Up Criteria

NOTE: Only those compounds with concentrations in excess of their respective clean-up criteria are shown on this figure. Please refer to laboratory reports for a full list of compounds analyzed.

MILL CREEK
ENVIRONMENTAL SERVICES
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706-579-1607

FIGURE 3: SUMMARY OF SAMPLING RESULTS

Phase II ESA

January 23 and March 7-8, 2013

Apex Village

500-610 E Williams Street

Apex, Wake County, Georgia

TABLES

TABLE 1: GROUNDWATER ANAYTICAL RESULTS
SUMMARY OF DETECTED COMPOUNDS
PHASE II SUBSURFACE INVESTIGATION
January 23 and March 7-8, 2013

Sample ID	Collection Date	Acetone	(+-)-5-(1-Acetoxy-1-methylethyl)-2 (TIC)	Benzene, (1-methylethyl)- (TIC)	Benzene, 1,2,3-trimethyl- (TIC)	Benzene, 1,2,4-trimethyl- (TIC)	Benzene, 1,3-dimethyl- (TIC)	Benzene, 1-ethyl-2,3-dimethyl- (TIC)	Benzene, 1-ethyl-2,4-dimethyl- (TIC)	Benzene, 1-ethyl-2-methyl- (TIC)	Benzene, 1-ethyl-3-methyl- (TIC)	Benzene, 1-ethyl-4-methyl- (TIC)	Benzene, 1-methyl-2-(1-methylethyl) (TIC)	Benzene, 1-methyl-3-(1-methylethyl) (TIC)	Benzene, 1-methyl-3-propyl- (TIC)	Benzene, 2-ethyl-1,4-dimethyl- (TIC)	Benzene, 2-ethyl-1,4-dimethyl- (TIC)	Benzene, cyclopropyl- (TIC)	Benzene, propyl- (TIC)	Bis(2-ethylhexyl) phthalate	Chloroform	Cyclobutane, methyl- (TIC)	Cyclopentasiloxane, decamethyl- (TIC)	Cyclotetrasiloxane, octamethyl- (TIC)	Cyclotrisiloxane, hexamethyl- (TIC)	Di-n-butyl phthalate	13-Docosenamide, (Z)- (TIC)	Fluoranthene	Indane (TIC)	2-Methylnaphthalene	Naphthalene	2,4-Nonadiyne (TIC)	9-Octadecenamide, (Z)- (TIC)	2,6,6-Octadiene, 1-bromo-3,7-dimethy (TIC)	Octane (TIC)	Octane, 2-methyl-2-phenyl- (TIC)	Phenanthrene	Pyrene	Tetrachloroethene (PCE)	trans-13-Docosenamide (TIC)	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	unknown (TIC)	m,p-Xylenes	o-Xylene
GW-1	1/23/2013	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8.68**	NS	NS	NS	NS	NS	NS	NS	ND	NS	3.44	1.22	NS	ND	ND
GW-2	1/23/2013	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	**8.35**	NS	NS	NS	NS	NS	NS	NS	**1.08**	NS	2.9	ND	ND	0.66	1.39
GW-3	1/23/2013	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	ND	ND	ND	ND	ND
GW-4	1/23/2013	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	ND	NS	NS	NS	NS	NS	NS	NS	ND	NS	ND	ND	ND	ND	ND
SB-1	3/7/2013	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.67	ND	ND	ND	11.6	ND	ND	6.93	ND	ND	ND	ND	ND	4.47	6.68	ND	ND	ND	ND	ND	ND	ND	ND	ND	8.80	ND	ND
SB-2 (20')	3/7/2013	ND	ND	11.7	110	24.6	ND	ND	ND	ND	ND	ND	ND	16.2	12.6	ND	ND	8.93	33.2	ND	ND	ND	ND	8.54	ND	ND	13.3	ND	ND	ND	1.62	ND	ND	ND	8.45	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-2 (30')	3/7/2013	3.18	5.93	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.24	0.810	ND	10.1	ND	6	ND	ND	ND	ND	ND	ND	ND	14.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-3	3/7/2013	ND	ND	10.1	103	23.5	ND	8.54	ND	ND	ND	ND	15.2	ND	11.9	ND	ND	ND	29.2	ND	4.60	ND	ND	18.8	ND	ND	ND	ND	ND	ND	1.66	ND	9.13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-4	3/7/2013	ND	ND	5.10	51.5	11.5	ND	ND	ND	ND	ND	21.1	ND	ND	6.05	6.90	ND	ND	15.3	ND	ND	ND	ND	11.0	5.15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	7.84	ND	ND	ND	ND	ND
SB-5	3/7/2013	ND	ND	ND	14.4	37.4	46.6	5.10	ND	ND	ND	ND	ND	ND	4.22	ND	ND	ND	11.4	ND	ND	ND	6.18	134	39.0	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	6.18	ND	ND
SB-6	3/7/2013	0.810	ND	19.2	100	313	ND	ND	34.0	ND	ND	ND	ND	55.8	46.0	13.1	ND	ND	65.9	ND	ND	ND	ND	ND	ND	ND	ND	5.22	22.0	3.28	**10.8**	ND	ND	ND	ND	12.2	3.45	3.27	**1.82**	ND	ND	ND	ND	ND	ND	ND
SB-7	3/8/2013	NS	ND	ND	7.03	ND	ND	ND	ND	4.08	ND	ND	ND	ND	ND	ND	ND	ND	ND	**6.67**	NS	17.7	ND	4.140	ND	2.51	21.8	ND	ND	ND	ND	ND	17.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
SB-8	3/8/2013	1.78	ND	ND	12.5	ND	ND	ND	ND	ND	7.74	ND	ND	ND	ND	ND	ND	ND	ND	**4.67**	0.840	ND	ND	ND	ND	ND	23.6	ND	ND	ND	ND	5.74	15.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
NC GWQS		**6,000**	**NL**	**NL**	**NL**	**400**	**NL**	**NL**	**500**	**NL**	**NL**	**NL**	**NL**	**NL**	**600**	**NL**	**500**	**NL**	**70**	**3.0**	**70**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**300**	**NL**	**30**	**6.0**	**NL**	**NL**	**NL**	**NL**	**NL**	**200**	**200**	**0.7**	**NL**	**400**	**400**	**NL**	**500**	**500**
NC GCL		**6,000,000**	**NL**	**NL**	**NL**	**28,500**	**NL**	**NL**	**85,500**	**NL**	**NL**	**NL**	**NL**	**NL**	**260,000**	**NL**	**85,500**	**NL**	**30,000**	**170**	**70,000**	**NL**	**NL**	**NL**	**NL**	**NL**	**NL**	**300**	**NL**	**12,500**	**6,000**	**NL**	**NL**	**NL**	**NL**	**NL**	**410**	**200**	**700**	**NL**	**28,500**	**28,500**	**NL**	**85,500**	**85,500**

NOTES:
Only those constituents that were detected above the laboratory reporting limits are presented in this table.
All results are reported in units of micrograms per liter
Bold results indicate exceedance of the NC GWQS
NC GWQS - North Carolina Groundwater Quality Standards (NCAC 2L .0202)
NC GCL - North Carolina Gross Contamination Level
ND - Not Detected (i.e. concentration was below the laboratory reporting limit)
NL - Not Listed
NS - Not Sampled for this constituent

TABLE 2: SOIL ANAYTICAL RESULTS

SUMMARY OF DETECTED VOLATILE and SEMIVOLATILE ORGANIC COMPOUNDS
PHASE II SUBSURFACE INVESTIGATION

Apex Village
500-610 East Williams Street
Apex, Wake County, North Carolina 27501

Sample ID	Date Collected	Depth	Acetone	sec-Butlybenzene	Isopropylbenzene	2-Methylnaphthalene	Naphthalene	n-Propylbenzene	1,2,4-Trimethylbenzene
Site Sampling Results									
S-1	1/23/2013	6'	0.00833	ND	ND	NS	ND	ND	ND
S-2	1/23/2013	5'	0.0483	0.00119	0.00212	NS	0.00321	0.00143	0.00595
S-3	1/23/2013	7'	ND	ND	ND	ND	ND	ND	ND
SB-1, 0-4'	3/7/2013	0-4'	ND	ND	ND	ND	ND	ND	ND
SB-2, 4-8'	3/7/2013	4-8'	ND	ND	ND	0.645	**1.01**	ND	ND
SB-7, 4-8'	3/8/2013	4-8'	ND	ND	ND	ND	ND	ND	ND
Regulatory Standards Comparision									
UST Soil to Water MCC			24	3.3	1.7	3.6	0.16	1.7	8.5
UST Residential SCL			14,000	626	1,564	63	313	626	782
UST Industrial SCL			360,000	16,350	40,880	1,635	8,176	16,350	20,440
IHSB Soil to Water PSRG			24	2.2	1.3	1.6	0.21	1.5	6.7
IHSB Residential PSRG			12,000	NA	270	46	3.6	260	12
IHSB Industrial PSRG			100,000	NA	270	370	18	260	52

NOTES:
Only those constituents that were detected above the laboratory reporting limits are presented in this table.
All results are reported in units of milligrams per kilogram (mg/kg)
Bold results indicate exceedance of the most stringent criteria.

UST = NC DENR Underground Storage Tank Section
MCC = Maximum Contaminant Concentration
SCL = Soil Clean-Up Level
IHSB = NCDENR Inactive Hazardsous Sites Branch
PSRG = Preliminary Soil Remediation Goal
ND - Not Detected (i.e. concentration was below the laboratory reporting limit)
NS - Not Sampled for this constituent
NA = Not Available

APPENDIX A

ENVIRONMENTAL PROFESSIONAL QUALIFICATIONS

RESUME OF: Daniel L. Centofanti, PG

EDUCATION

B.S., Environmental Geology, 1990. ***Georgia State University,***

PROFESSIONAL EXPERIENCE

In May 1997, Mr. Centofanti founded Mill Creek Environmental Services, Inc. (MCES) to serve his existing clients. Since that time, Mr. Centofanti has overseen MCES' growth into a small consulting company servicing such clients as Colonial Pipeline Company, the Georgia Environmental Facilities Authority, and Paulding County Board of Commissioners. Duties include all aspects of small business operation, client development, project management and project services. Mr. Centofanti has served as Project Manager on several key projects, including the Paulding County Landfill where he has completed detailed plans for the assessment and remediation of a chlorinated hydrocarbon plume, methane monitoring and abatement, site suitability studies for the expansion of permitted property lines, and cap designs for source control and facility closure. Responsibilities at MCES also include Professional Geologist review, technical direction, and oversight of a wide variety of projects including petroleum releases, hazardous and industrial facility investigation and property transactions, solid waste facility assessments and permitting, stormwater and Phase II NPDES monitoring programs, wetlands and stream delineations, streambank restorations, and many other environmental issues. Mr. Centofanti has served as Professional Geologist and Technical Director for 7-14 employees during the 15-years operating MCES.

Mr. Centofanti also has extensive experience as a Certified Soil Classifier where he has directed hundreds of soil classification projects for on-site sewage management systems. He has also designed many septic systems and provided cost effective solutions for failing septic systems. Additional experience includes direction of hundreds of property transaction related investigations, including Phase I and Phase II Environmental Site Assessments, Transaction Screening Processes, and Level 2 and 3 Soil Surveys, water-supply evaluations, and related projects.

Mr. Centofanti is also a Level II Certified Design Professional, licensed by the GSWCC for preparing Erosion Sedimentation and Pollution Control Plans, Comprehensive Monitoring Plans, and designing best management practices for a wide variety of sites. Mr. Centofanti also has a Georgia Class 4 Water operator license and has directed the permitting, installation, and operation of small non-community public water systems.

Prior to starting MCES, Mr. Centofanti spent 6 years in the employment of Environmental Corporation of America, (Parsons) Engineering-Science, Inc., and other consulting companies and government agencies. During this time Mr. Centofanti acted as a client liaison for several major petroleum companies assisting in the management of petroleum releases. His responsibilities included all aspects of project execution, budget management and regulatory interfacing. Mr. Centofanti is highly experienced in site remediation activities such as system operations, maintenance, site monitoring, groundwater modeling, and aquifer evaluation. In addition to these capabilities, Mr. Centofanti acted as the Task Manager for the Geology and Soils sections of Ocoee Olympic Whitewater Venue Environmental Impact Statement prepared for the USFS.

PROFESSIONAL CAPABILITIES

Mr. Centofanti's investigation capabilities include completion of soil baseline studies, soil erosion and sedimentation impact assessments, hydrogeologic investigations, aquifer analysis, fracture trace analysis, well packer testing, air permeability testing, biorespiration testing, soil gas surveys, geophysical logging, drilling, and land surveying. He has overseen or personally completed several hundred petroleum related site closures, assessments, and remedial action plans that required monitoring well installation, soil boring and classification, potential receptor surveys, risk analysis, utility surveys, records reviews, land surveying, and detail report preparation.

His remediation capabilities include multi-phase system design and installation for soil and groundwater applications, in-situ remediation system installation including chemical oxidation, air sparging, monitored natural attenuation, and bioremediation., as well as ex-situ remediation systems including soil vapor extraction, pump and treat, and excavation. His ecological experience includes wetland delineation, stream determination, and stream classification and restoration. Mr. Centofanti's solid waste capabilities include multi-level monitoring well installation, groundwater sampling, statistical evaluation of data, permit modifications, methane gas surveys and abatement plans, and many others.

He is currently responsible for the supervision of all field personnel, budget planning and tracking, subcontractor procurement, report preparation, and client relations in addition to his responsibilities running the company.

CERTIFICATIONS, REGISTRATIONS, AND AFFILIATIONS

Professional Geologist Registrations:

Georgia #1321
North Carolina #1557
South Carolina #2124
Tennessee #3739
Alabama #250
Mississippi #0121

ASTM Environmental Professional
Certified Soil Classifier for On-Site Sewage Treatment Systems, March 21, 2001
Certified Soil and Erosion Control Technician
GSWCC Level II Design Professional, Certificate #0000054973
Georgia Class 4 Water Operator, License #W4-002262

OSHA HAZWOPER Hazardous Materials Technician (40 hours)
OSHA 8-Hour Refreshers, 1991-2011
Standard First Aid and Adult CPR, 2010

American Institute of Professional Geologists MEM-0394
Georgia Groundwater Association
National Ground Water Association
Atlanta Geological Society
Georgia Water Pollution Control Association

APPENDIX B

GROUND PENETRATING RADAR SURVEY REPORT

November 1, 2012

Mill Creek Environmental Services, Inc.
Attn: *Dan Centofanti*
1818 Perimeter Rd.
Dawsonville, GA 30534
Phone: 770.380.1488
Email: millcreek1@windstream.net

Re: GPR Report of Investigation and Survey of Underground Utilities and UST's – 500-610 E. Williams St. Apex, NC.
Date of Inspection: Thursday 3/7/2013 8:00a.m.

Mr. Centofanti,

I appreciate the opportunity to work with you and Mill Creek Environmental Services on this project. All things considered I am pleased with the results of our survey from Thursday, 3/7/2013.

Ground penetrating radar was used to inspect and locate potential underground storage tanks and underground utilities at the address listed above. There were two areas surveyed for the underground storage tanks. It was the understanding of Mill Creek Environmental that underground storage tanks may be present on site. Additionally, the area was surveyed to locate any utilities that may be in the area prior to placing soil borings. The total amount of areas surveyed for soil borings was 12 around the buildings. The purpose of this survey was to, simply, to determine the presence of an underground storage tank as well as any pertinent utilities.

On the following pages you will find information regarding the equipment we used, the survey process executed on site, and information on the results of the survey.

Equipment:

We used a GSSI (Geophysical Survey Systems, Inc.) Ground Penetrating Radar Unit with one specific antenna. The GPR head unit is classified as a SIR-3000. The antenna used on this project was a 400MHz antenna which is capable of reaching depths between 8'-10'. This specific antenna was created and calibrated specifically for locating underground utilities, UST's, and other underground anomalies. This equipment represents the latest technology available from GSSI. We have found the typical accuracy when surveying with the 400MHz antenna to be +/- 3" to the center of the object being located.
When determining the depth of an object GPR generally has a 10% margin of error. Please keep in mind that these statistics are based on ideal concrete conditions and may not necessarily reflect the findings from your project.

Nate Stair
Ground Penetrating Radar Systems
(919)671-9476
Nate.stair@gp-radar.com

Finally, we also use an electro-magnetic tone locating devise manufactured by Radio Detection. The specific model that we use on projects is an RD-7000. This device detects live power and RF signals underground, allowing us to locate electrical or telephone lines even if they are below the minimum size requirements to be detected by GPR. It also allows us to detect utilities via induction or conduction with an exposed or known surface of the utility.

Survey Process/Results:

We covered all the areas requested in the scope stated above in a grid pattern (North-South and East-West). Scans were placed roughly on 3' centers in highly suspect areas and on 6' centers throughout the rest of the property. This allows us the maximum amount of coverage while still being time sensitive. We then surveyed and marked any anomalies on the surface using typical spray marking paint. If and when utilities were discovered their path was painted directly on the surface.

It is our estimate that we were able to penetrate to a depth of 6' on this project. The survey located several utilities, as would be expected with such a large area. We confirmed the evidence of underground storage tanks (UST's) being on site. On the Northwest side of the building, we found a suspicious plate in the asphalt. After scanning around the parking lot, I found a UST located right under that plate. The second area was on the Southeast corner of the building. There was evidence of a vent pipe and another pipe going into the ground. After scanning around that area next to the building, anomaly was found right up against the building. The depth was about 3.5' to the top of the reaction. I was not able to confirm a tank existed but the data did show a dense, rounded reaction around these pipes. UST's have a significant reaction and are generally easy to detect with GPR. Also, being able to locate other utilities on site gives me confidence that the radar was collecting accurate data. As stated above, there was some signal disturbance at 6' but I am confident that the data collected will yield acceptable results. You will find data screen shots on the following pages.

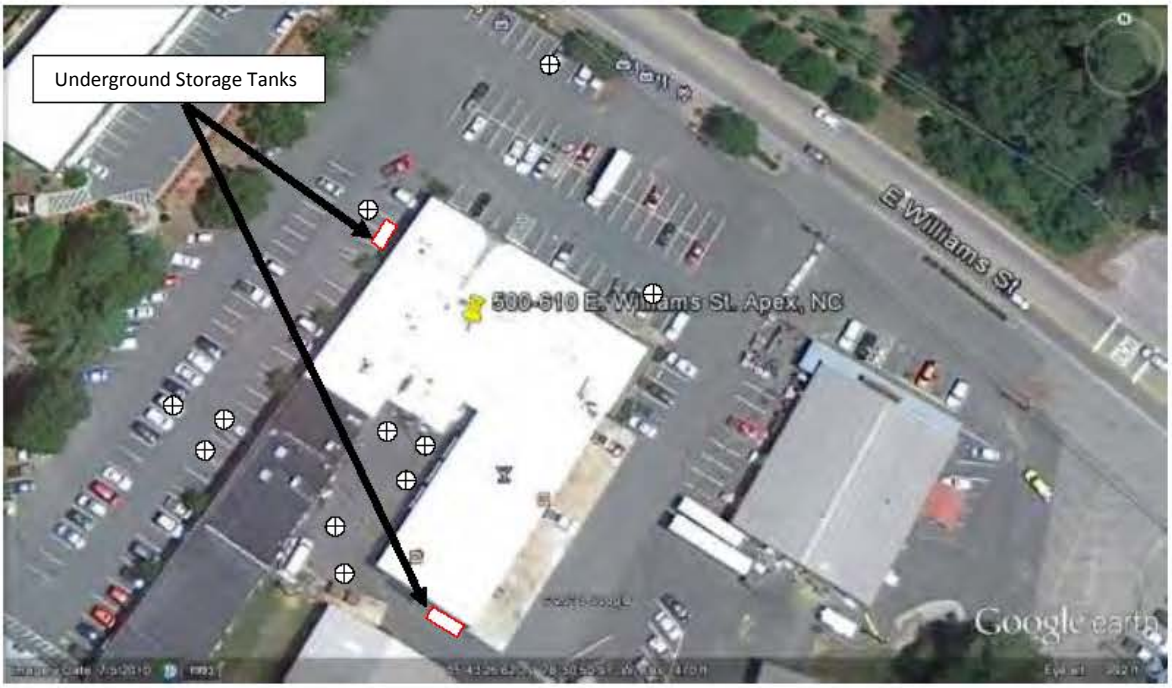
The area surveyed did not reveal any anomalies that were questionable. The soil seemed to be relatively clean and undisturbed.

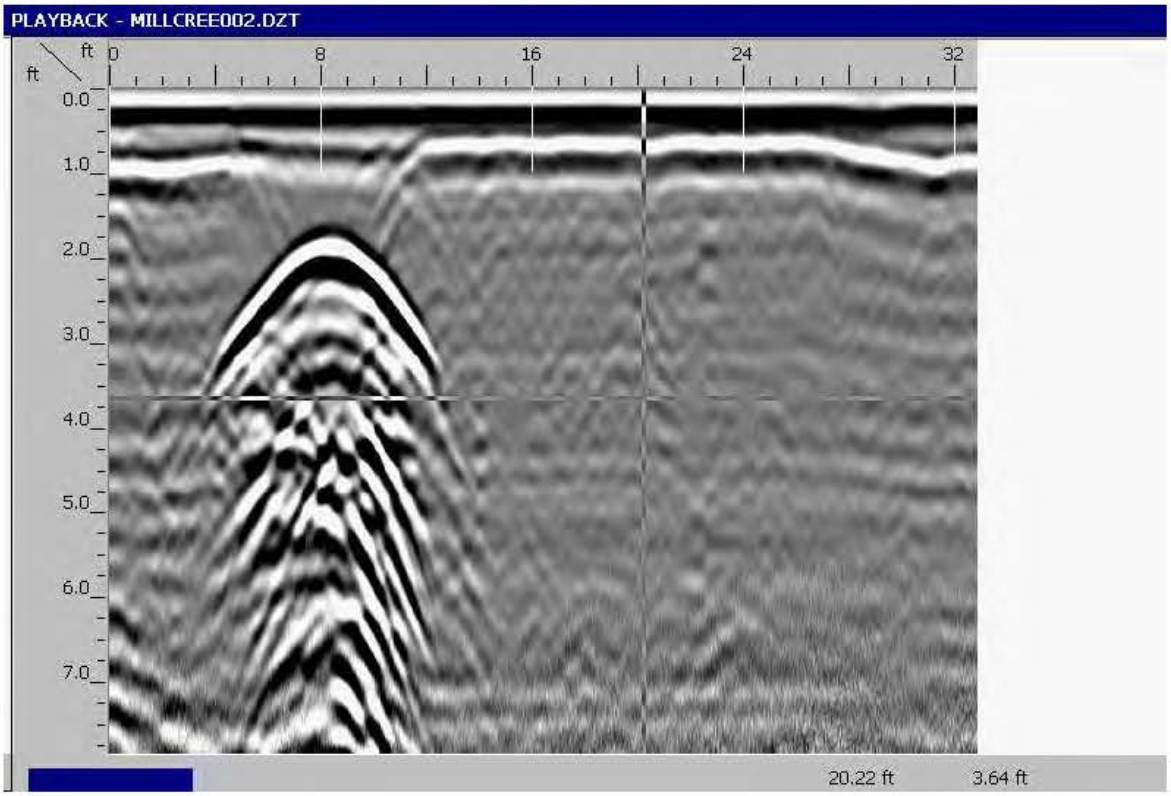
Conclusion:

The results above are based on the field findings from the relatively simple survey conducted. Again, restating the findings it was determined that they was 1 UST located at the Northwest corner and a second, suspicious anomaly was located at the Southeast corner of the building near a vent pipe sticky out from the ground.

On the following pages I have included screen shots of our data for your records. I have also included pictures of the areas detailed and discussed above showing the areas surveyed for the UST's and utilities. If you have any questions regarding this inspection please do not hesitate to contact me. Thanks again for the opportunity and let us know if we can assist you in the future.

Kind Regards,
Nate Stair
Ground Penetrating Radar Systems, Inc.
(919)671-9476
nate.stair@gp-radar.com
www.gp-radar.com





Data Collected by the SIR3000 using a 400MHz antenna. Data shows a UST that was located at the Northwest corner of the building.

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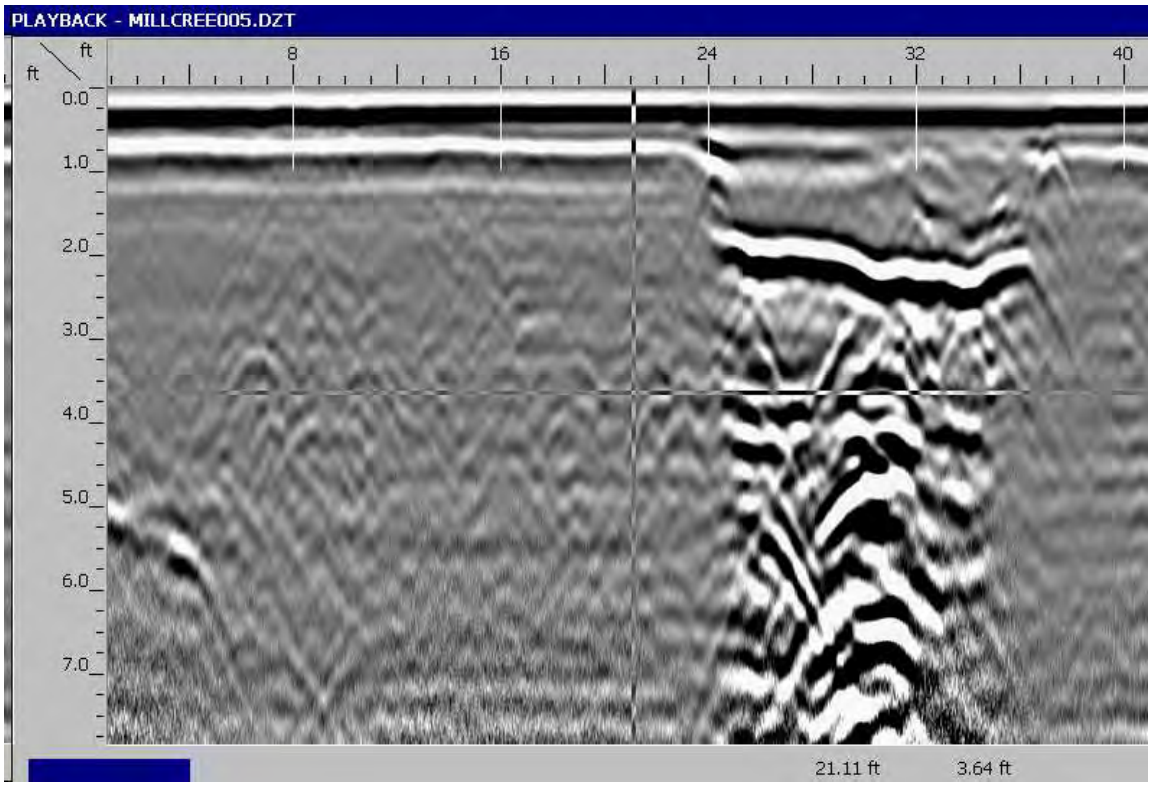
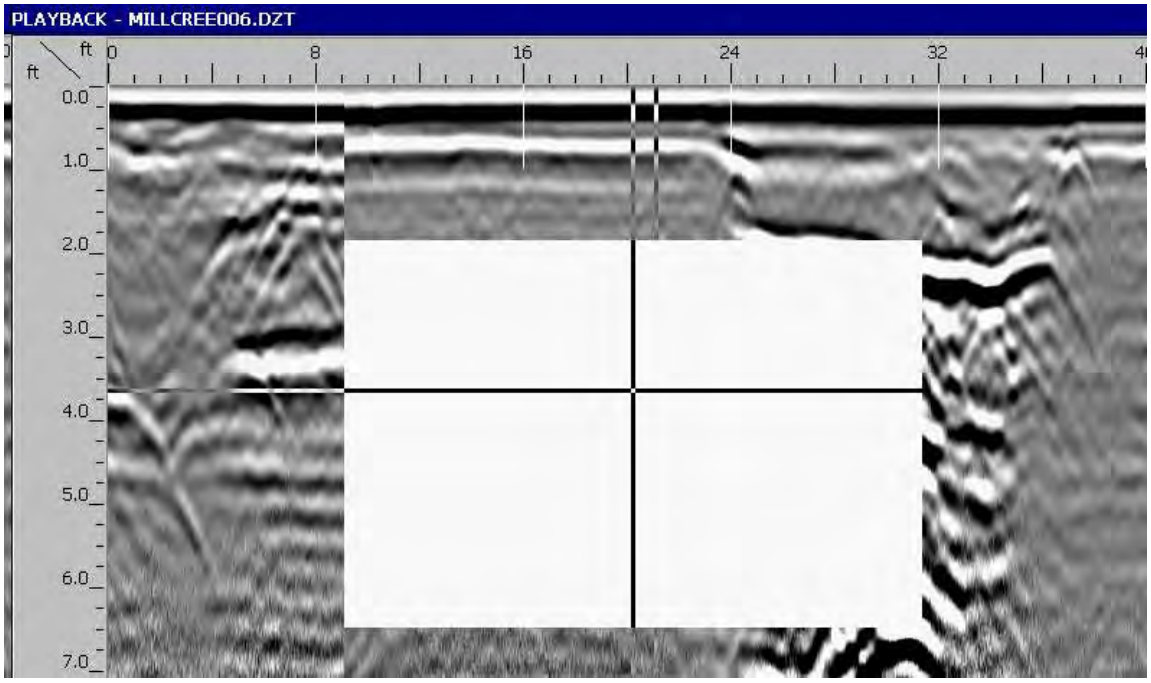


Screen shot of data showing a UST present on site.



This data shows a flat reaction right up against the Southeast corner of the building near a vent pipe sticking out of the ground.

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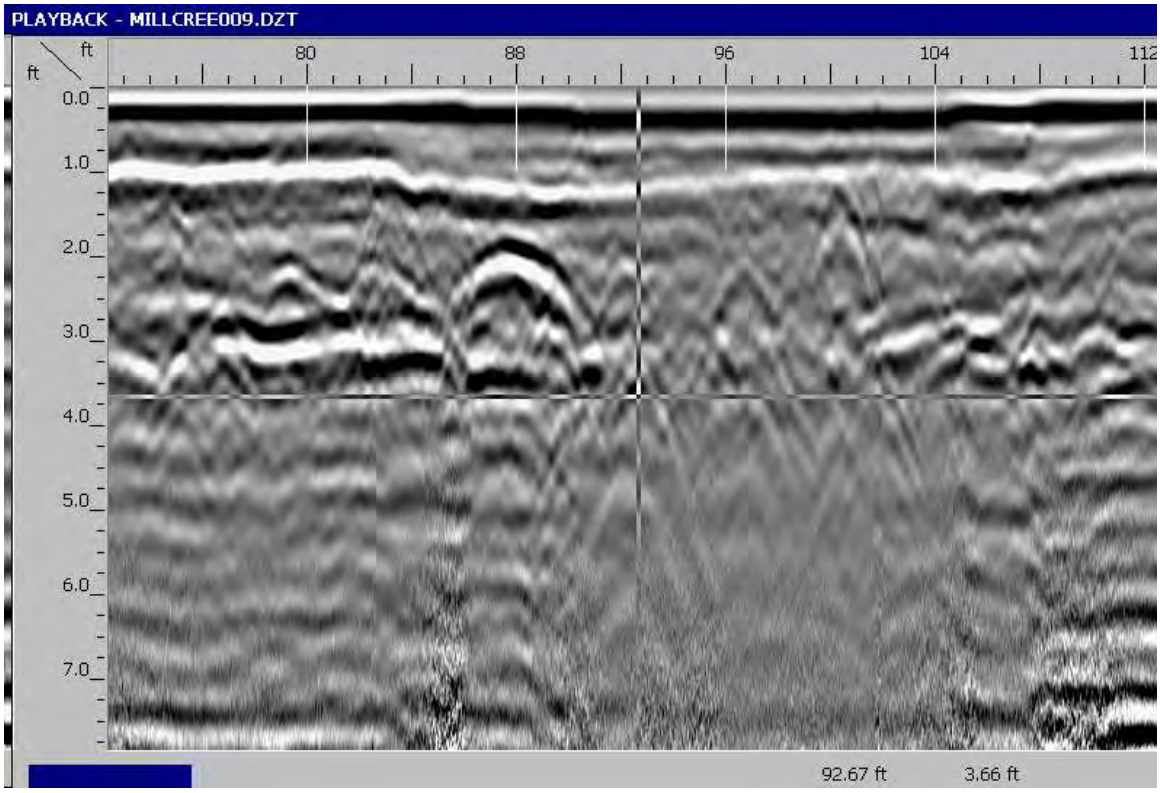

Data shows utilities that were located an cleared next to soil borings.

UST was found and marked in white on the surface.

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APPENDIX C

SOIL BORING LOGS

LOG OF SOIL BORING

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	Apex Village	Boring No.:	S-1 / GW-1
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	17 FT
Date Installed:	1-23-15	Well Diam.:	
Installed By:	BEN TROXLER	Screen Length:	5 FT TEMPORARY
Drilling Company:	TROXLER GEOLOGIC	Screen Material:	1" PVC
Boring Depth:	18FT	Slot Size:	.001
Boring Diam.:	2.5"	GW Level:	8.5
Drilling Method:	DIRECT PUSH	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
1		ORANGE TAN SILTY SAND								
2								0		
3										
4								0		
5	8.5	RED-ORANGE CLAYEY SILT								
6	GW DEPTH							0		
7										
8	↓ AFTER 15 MINUTES							0		- PETROLEUM DIESEL ODOR AT 8-10FT
9	↑	TAN-ORANGE								
10		SILTY CLAY						0		
		TAN-ORANGE SILTY COARSE SAND MOIST-WET						0		- DISAPPEARS AT DEPTH
								0		
15										- ODOR IN GROUNDWATER
								0		
		BORING TERMINATED								NO
20		GW MEASURED AT 9 FT AFTER WELL SET FOR 15 MINUTES								
25										
		S-1 SAMPLE TAKEN AT 6.0 FT								
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

LOG OF SOIL BORING

Page____ of____

MILL CREEK ENVIRONMENTAL SERVICES
1618 Perimeter Road
Dawsonville, Georgia 30534
706-579-1807

Client:	Apex Village	Boring No.:	S-2 / GW-2
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	13 FT
Date Installed:	1-23-13	Well Diam.:	1" PVC
Installed By:	BEN TROXLER	Screen Length:	5 FT
Drilling Company:	TROXLER GEOLOGIC	Screen Material:	PVC
Boring Depth:	16 FT	Slot Size:	.001"
Boring Diam.:	2.5	GW Level:	10 FT
Drilling Method:	DIRECT PUSH	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		BROWN - GRAY CLAYEY SAND COARSE						5		
5								25		
		TAN-ORANGE CLAYEY MED SAND						5		
	10 FT GW DEPTH							0		
10								0		
		RED ORANGE SILTY MED SAND (moist)						0		
								0		
15		RED ORANGE SILTY FINE SAND (WET)								
	BORING TERMINATED @ 16 FT									
20										
25		S-2 SAMPLE TAKEN AT 5 FT								
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

LOG OF SOIL BORING

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	Apex Village	Boring No.:	S-3
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	15 FT
Date Installed:	1-23-13	Well Diam.:	1"
Installed By:	BEN TROXLER	Screen Length:	5 FT
Drilling Company:	TROXLER GEOLOGIC	Screen Material:	1" PVC
Boring Depth:	16 FT	Slot Size:	.001"
Boring Diam.:		GW Level:	9.30
Drilling Method:	DIRECT PUSH	TOC Elev.:	

N/A

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		ASHALT								
		ORANGE-TAN SILTY MED SAND						0		
								0		
5		ORANGE-TAN CLAYEY FINE SAND						0		
	9.3 GW DEPTH AFTER 20 MINUTES	TAN-ORANGE SILTY MED (MOIST) SAND						0		
10								0		
								0		
		TAN-ORANGE SILTY FINE SAND (WET)						0		
15										
		BORING TERMINATED						0		
20		NO ODOR								
25		S-3 SAMPLE TAKEN AT 7.0 FT								
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

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LOG OF SOIL BORING

GW-3

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1807

Client:	Apex Village	Boring No.:	GW-3
Job No.:		Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	15 FT
Date Installed:	1-23-13	Well Diam.:	1"
Installed By:	BEN TROXEL	Screen Length:	5 FT
Drilling Company:	TROXEL GEOLOGIC	Screen Material:	1" PVC
Boring Depth:	16 FT	Slot Size:	.001
Boring Diam.:	2.5	GW Level:	
Drilling Method:	DIRECT PUSH	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		TAN SILTY COARSE SAND						0		
		ORANGE - RED CLAYEY FINE SAND						0		
5								0		
	9.0' GW DEPTH							0		
10		ORANGE - RED SILTY COARSE SAND moist wet						0		
								0		
15								0		
		BORING TERMINATED @ 16.0						0		
20										
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

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LOG OF SOIL BORING

GW-4

MILL CREEK
ENVIRONMENTAL SERVICES
1810 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	Apex Village	Boring No.:	
Job No.:		Well Number:	
Job Name:		Well Depth:	15 FT
Date Installed:	1-23-13	Well Diam.:	
Installed By:	BEN TROXLER	Screen Length:	5 FT
Drilling Company:	TROXLER GEOLOGY	Screen Material:	1" PVC
Boring Depth:	16 FT	Slot Size:	.001
Boring Diam.:		GW Level:	10 FT
Drilling Method:		TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		TAN-ORANGE MED SILTY SAND						0		
								0		
5										
		TAN-ORANGE CLAYEY FINE SAND (moist)						0		
	10 FT GW DEPTH AFTER 10 MIN									
10		TAN-BROWN CLAYEY MED SAND (WET)						0		
								0		
								0		
15										
		BORING TERMINATED @ 16.0						0		
20										
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

(GW-9)

LOG OF SOIL BORING SB-1

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX VILLAGE	Boring No.: SB-1
Job No.: 11-1301-3	Well Number:
Job Name: APEX	Well Depth:
Date Installed: 3-7-13	Well Diam.:
Installed By: DLL	Screen Length:
Drilling Company: TPC	Screen Material:
Boring Depth: 20'	Slot Size:
Boring Diam.: 2.25"	GW Level: ≈ 16'
Drilling Method: Geoprobe	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		- ASPHALT								
		- COARSE TO SAND FILL	FL					0	100	
2		- Clay red-brown, white spots, black spots, rounded QTZ pebbles, dry, sandy layers, (residuum)	CL					0		
4								0		
		- clay FIRM, moist, mottled w/ red, gray, brown, yellow, some sandy layers, QTZ FRAGS, pebbles, redox mottles, Mch SAND (residuum)	CL					0	100	
6										
8										
		- clay, soft, wet, mottled w/ brown, red, gray, white, lots of Amphibole fragments, QTZ sand, some pebbles, (residuum)	CL					0	100	
10										
12										
		- SAME, moist, mottled (residuum)	CL					0	100	
14										
16										

(CONTINUED)

Screen Interval:	
Casing Interval:	Locking Cap:
Sand Interval:	Bottom Cap:
Bentonite Interval:	Type of Cover: C
Grout Interval:	~~Water Level: 24 Hours:~~
Bags Sand:	~~REMARKS:~~
Bags Bentonite:	
Bags Cement:	

Installation Observed By: DLL

Signature: [signature]

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LOG OF SOIL BORING

SB-1 (CONT)

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: AOISP	Boring No.: SB-1
Job No.:	Well Number:
Job Name:	Well Depth:
Date Installed: DU	Well Diam.:
Installed By:	Screen Length:
Drilling Company:	Screen Material:
Boring Depth:	Slot Size:
Boring Diam.:	GW Level:
Drilling Method:	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
16		Clay - Saturated, Mottled, lots of CAWO, Banded white Kaolin	CL					0	100	
17										
18										
19										
20								0		
		BT at 20' BGS								
24										
28										
32										

Screen Interval:	
Casing Interval:	Locking Cap:
Sand Interval:	Bottom Cap:
Bentonite Interval:	Type of Cover:
Grout Interval:	~~Water Level at 24 Hours:~~ ≈ 16' wt
Bags Sand:	REMARKS:
Bags Bentonite:	
Bags Cement:	

Installation Observed By:

Signature:

LOG OF SOIL BORING SB-2 (GW-10)

Page_____ of_____

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX	Boring No.: SB-2
Job No.: AV-1301-3	Well Number:
Job Name: APEX VILLAGE	Well Depth:
Date Installed: 3-7-13	Well Diam.:
Installed By: DLC	Screen Length:
Drilling Company: TPC	Screen Material:
Boring Depth: 30'	Slot Size:
Boring Diam.: 2.25"	GW Level:
Drilling Method: PROBE	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		- Asphalt	FL					0	100	
		- orange fill	FL							
		- sand fill	FL							
		- old Asphalt	CL							
		- clay at 3'	CL							
5		- clay, Dry, loose to firm, mottled w/ orange, red, gray, black spots, sandy layers, QTZ sand + pebbles, (residuum)	CL					0	100	Soil at 4-8'
10		SAME - MOIST -	CL					1.0	100	1.0
		clay-residuum to ≈16' wet spots at ≈14' Saprolite below 16' BGS	CL					1.0	100	
15										
		- Saprolite, Banded, sandy, gritty texture, red-brown, purple, pink, gray BANDED, SATURATED, Soft	CL							Water Supply at 20'
			SM					0	100	
20										
		~~Not at 20 BGS~~								
25		OFFSET + Drill to AR								
30		AR at 30'								Water Supply at 30'

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: DLC

Signature: [signature]

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LOG OF SOIL BORING SB-3

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX	Boring No.: SB-3
Job No.: AV-1301-3	Well Number:
Job Name: APEX VILLAGE	Well Depth:
Date Installed: 3-7-13	Well Diam.:
Installed By: DLC	Screen Length:
Drilling Company: TPC	Screen Material:
Boring Depth: 20'	Slot Size:
Boring Diam.:	GW Level:
Drilling Method: GEOPROBE	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		ASPHALT	FL							
		GRAVEL FILL, SAND	FL					0	100	
		clay, mottled, red-orange, tan, gray, white, etc.								
		Dry to moist,								
5			CL						NS	
		Increase moisture w/ depth								
		SAME Clay Lithology as SB-1/SB-2								
10			CL							
									NS	
			CL							
15									NS	
			CL							Water Sample @ 20'
20		BT at 20' BGS								
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: DLC

Signature: [signature]

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LOG OF SOIL BORING SB-4

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX	Boring No.:
Job No.: AV-1301-3	Well Number:
Job Name: APEX Village	Well Depth:
Date Installed: 3-7-13	Well Diam.:
Installed By: DLL	Screen Length:
Drilling Company: TPC	Screen Material:
Boring Depth: 20	Slot Size:
Boring Diam.:	GW Level:
Drilling Method: GEOPROB	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		Asphalt	FL							
		Gravel fill	FL							
		Clay - SAME	CL					0	100	
		Soft, mottled, moist,	CL							
5		yellow, red, gray, brown								
		Same as above	CL							
10										
15										
20		BT at 20' BGS								
25										
30										

Water for SB-4 6222/625

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature: Dan Cole

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LOG OF SOIL BORING SB-5

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client:	APEX	Boring No.:	SB-5
Job No.:	AV-1301-3	Well Number:	
Job Name:	APEX VILLAGE	Well Depth:	
Date Installed:	3-7-13	Well Diam.:	
Installed By:	DU	Screen Length:	
Drilling Company:	TPC	Screen Material:	
Boring Depth:	20	Slot Size:	
Boring Diam.:		GW Level:	
Drilling Method:	GP	TOC Elev.:	

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		- ASPHALT	FL							
		- GRAVEL FILL	FL							
		- Clay, mottled, stiff, moist	CL							
		lots of colors,	CL							
5		(SAME AS SB-2)	CL					0	100	
			CL					0		GW collected at 20'
10										
			CL					0		
15										
			CL					0		
20										
		BT at 20' BGS								
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: Signature:

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LOG OF SOIL BORING

SB-6

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX	Boring No.:
Job No.: AV+1301-3	Well Number:
Job Name: APEX	Well Depth:
Date Installed: 3-7-13	Well Diam.:
Installed By: DVL	Screen Length:
Drilling Company: TPC	Screen Material:
Boring Depth: 20'	Slot Size:
Boring Diam.: 2.25"	GW Level:
Drilling Method: GP	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
5		(SAME AS SB-5)	CL					0		
10			CL					0		GW collected at ≈20
15			CL					0		
20		BT at 20' BGS	CL					0		
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: D. Cerrato Signature:

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LOG OF SOIL BORING SB-7

MILL CREEK
ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX	Boring No.: SB-7
Job No.: AV-1301-3	Well Number:
Job Name: Apex village	Well Depth:
Date Installed: 3-8-13	Well Diam.:
Installed By: DL	Screen Length:
Drilling Company: TDC	Screen Material:
Boring Depth:	Slot Size:
Boring Diam.:	GW Level:
Drilling Method: GP	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		Asphalt	PL					0	100	
		GRAVEL FILL	GL							
		Clay yellow-orange mottled w/ Gray + white spots, sures and firm, moist, (residuum)								
5		clay, yellowish, w/colors, firm, sandy areas, QTZ Rocks, Brown Blobs, etc (residuum)	CL					0.1	100	Soils lab 4-8
10		Clay mottled w/ red-gray-yellowish tan colors lots of QTZ sand + pebbles - darker clay films on peds (residuum) HARD, moist	CL						100	WT ≈ 12' BGS
		GRADES to white - tan moist tougher, sandy clay, soft, (residuum)	CL					0.2	100	GW lab
15										
		clay soft, wet mottled w/ red, yellow, gray, white minor banded gray clay, sandy layers residuum	CL					0.4		
20										
		BT at 20' BGS								
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	
Installation Observed By: DL	Signature:

LOG OF SOIL BORING SB-8

Page 1 of 1

MILL CREEK ENVIRONMENTAL SERVICES
1818 Perimeter Road
Dawsonville, Georgia 30534
706-579-1607

Client: APEX	Boring No.: SB-8
Job No.: AV-1301-3	Well Number:
Job Name: APEX LDMAGE	Well Depth:
Date Installed: 3-8-13	Well Diam.:
Installed By: DLL	Screen Length:
Drilling Company: TPC	Screen Material:
Boring Depth: 20'	Slot Size:
Boring Diam.: 2.25"	GW Level:
Drilling Method: GP	TOC Elev.:

DEPTH (feet)	SAMPLE INTERVAL (feet)	LITHOLOGIC DESCRIPTION	USCS CLASS	BLOW COUNTS 0-6 6"	6-12 12"	12-18 18"	18-24 24"	PID (ppm)	% REC	WELL CONSTRUCTION DIAGRAM
		(SAME AS SB-7)	FL							
								0		
			CL							
5										
			CL					0		
			CL					0		
10										
			CL					0		
										GW collected @ 20' BGS
15			CL					0		
			CL					0		
20		BT at 20' BGS								
25										
30										

Screen Interval:	Locking Cap:
Casing Interval:	Bottom Cap:
Sand Interval:	Type of Cover:
Bentonite Interval:	Water Level at 24 Hours:
Grout Interval:	REMARKS:
Bags Sand:	
Bags Bentonite:	
Bags Cement:	

Installation Observed By: D. CONSTANT

Signature:

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APPENDIX D

LABORATORY ANALYTICAL REPORTS

Analytical Report 458941

for

Mill Creek Environmental Services

Project Manager: Dan Centofanti

Apex Village

AV-1301-3

15-MAR-13

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

15-MAR-13

Project Manager: **Dan Centofanti**
Mill Creek Environmental Services
1818 Perimeter Road
Dawsonville, GA 30534

Reference: XENCO Report No(s): **458941**
Apex Village
Project Address: NC

Dan Centofanti:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 458941. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 458941 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-1, 0-4'	S	03-07-13 10:30	0 - 4 ft	458941-001
SB-1	W	03-07-13 10:50		458941-002
SB-2, 4-8'	S	03-07-13 10:45	4 - 8 ft	458941-003
SB-2	W	03-07-13 12:30	ft	458941-004
SB-2, 30'	W	03-07-13 13:00	ft	458941-005
SB-3	W	03-07-13 14:00		458941-006
SB-4	W	03-07-13 14:45		458941-007
SB-5	W	03-07-13 15:15		458941-008
SB-6	W	03-07-13 16:00		458941-009

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:
Batch: LBA-908630 VOCs by GC/MS by SM6200B
SM6200B

Batch 908630, Bromoform recovered above QC limits in the Blank Spike Duplicate.
Samples affected are: 458941-002, -008, -005, -006, -009, -004, -007.

SM6200B

Batch 908630, cis-1,3-Dichloropropene recovered above QC limits in the Matrix Spike.
Samples affected are: 458941-002, -008, -005, -006, -009, -004, -007.
The Laboratory Control Sample for cis-1,3-Dichloropropene is within laboratory Control Limits

SM6200B

Batch 908630, Chloromethane, Vinyl Chloride RPD was outside QC limits.
Samples affected are: 458941-002, -008, -005, -006, -009, -004, -007

Batch: LBA-908641 VOCs by SW-846 8260B
SW8260B_ATL

Batch 908641, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,3-Dichloropropane, 2-Hexanone, Bromobenzene, Ethanol, Isopropyl Ether, Naphthalene, Toluene recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 458941-001, -003.
The Laboratory Control Sample for Ethanol, Toluene, 1,3-Dichloropropane, Naphthalene, Isopropyl Ether, 2-Hexanone is within laboratory Control Limits

SW8260B_ATL

Batch 908641, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, Bromobenzene recovered below QC limits in the Blank Spike and Duplicate.
Samples affected are: 458941-001, -003.

Batch: LBA-908874 MADEP VPH REV 1.1
VPH_ATL

Batch 908874, 2,5-Dibromotoluene recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635025-1-BKS,635025-1-BLK,635025-1-BSD,458941-004 S,458941-002,458941-004.
2,5-Dibromotoluene (PID) recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635025-1-BKS,635025-1-BLK,635025-1-BSD,458941-004 S,458941-004,458941-002.

Batch: LBA-908927 SVOCs by EPA 625M + 10 TICs
E625_ATL

Batch 908927, 2,4,6-Tribromophenol, 2-Fluorophenol recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635024-1-BKS,635024-1-BLK,635024-1-BSD.
Phenol-d6 recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635024-1-BLK.

The extraction technician mistakenly spiked the BLK/BKS/BSD with only the PAH surrogate standard, which is missing the three phenol surrogates; therefore resulting in surrogate failure. Note: all Laboratory Control Spike recoveries were within method control limits in the BKS & BSD QC samples.

Batch: LBA-908960 SVOCs by SW-846 8270D
SW8270D_ATL

Batch 908960, 1,2-Dichlorobenzene, 2-Chlorophenol, Anthracene, Benzo(a)pyrene, Chrysene, Dibenzofuran, Fluoranthene, Phenanthrene, di-n-Butyl Phthalate recovered below QC limits in the Matrix Spike. 2-Methylnaphthalene, Naphthalene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 458941-001, -003.
The Laboratory Control Sample for 2-Chlorophenol, Anthracene, Naphthalene, Chrysene, Fluoranthene, 1,2-Dichlorobenzene, Dibenzofuran, 2-Methylnaphthalene, Benzo(a)pyrene, Phenanthrene, di-n-Butyl Phthalate is within laboratory Control Limits

SW8270D_ATL

Batch 908960, 2-Chlorophenol, 2-methylphenol, Anthracene, Benzyl Alcohol, N-Nitrosodi-n-Propylamine, Pentachlorophenol, Phenanthrene, Phenol, bis(2-chloroethyl) ether, bis(2-chloroisopropyl) ether, bis(2-ethylhexyl) phthalate, di-n-Butyl Phthalate RPD was outside QC limits.
Samples affected are: 458941-001, -003

Several analytes failed for the MS/MSD possibly due to matrix interference. The Blank Spike recoveries were within reportable control limits.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-002** Date Collected: **03.07.13 10.50**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Bis(2-ethylhexyl) phthalate	117-81-7	1.67	ug/L	03.13.13 15.19	J	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	11.6	ug/L	03.13.13 15.19	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	4.47	ug/L	03.13.13 15.19	JN	1
2,6-Octadiene, 1-bromo-3,7-dimethy (TIC)	TIC	6.68	ug/L	03.13.13 15.19	JN	1
13-Docosenamide, (Z)- (TIC)	TIC	6.93	ug/L	03.13.13 15.19	JN	1
unknown (TIC)	TIC	8.80	ug/L	03.13.13 15.19	JN	1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id:	**SB-2, 4-8'**	Matrix:	**Soil**	% Moisture:	**20.87**
Lab Sample Id:	**458941-003**	Date Collected:	**03.07.13 10.45**	Basis:	**Dry Weight**
Sample Depth:	**4 - 8 ft**	Date Received:	**03.08.13 10.00**		

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Seq Number: 908960 Date Prep: 03.13.13 10.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
2-Methylnaphthalene	91-57-6	0.645	mg/kg	03.14.13 00.58	X	1
Naphthalene	91-20-3	1.01	mg/kg	03.14.13 00.58	X	1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-004** Date Collected: **03.07.13 12.30**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	1.62	ug/L	03.13.13 15.46	J	1
Benzene, (1-methylethyl)- (TIC)	TIC	11.7	ug/L	03.13.13 15.46	JN	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	110	ug/L	03.13.13 15.46	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	12.6	ug/L	03.13.13 15.46	JN	1
13-Docosenamide, (Z)- (TIC)	TIC	13.3	ug/L	03.13.13 15.46	JN	1
Benzene, 1-methyl-3-(1-methylethyl (TIC)	TIC	16.2	ug/L	03.13.13 15.46	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	24.6	ug/L	03.13.13 15.46	JN	1
Benzene, propyl- (TIC)	TIC	33.2	ug/L	03.13.13 15.46	JN	1
unknown (TIC)	TIC	7.11	ug/L	03.13.13 15.46	JN	1
unknown (TIC)	TIC	7.54	ug/L	03.13.13 15.46	JN	1
Octane (TIC)	TIC	8.45	ug/L	03.13.13 15.46	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	8.54	ug/L	03.13.13 15.46	JN	1
Benzene, cyclopropyl- (TIC)	TIC	8.93	ug/L	03.13.13 15.46	JN	1

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Date Prep: 03.09.13 11.56

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloroform	67-66-3	2.05	ug/L	03.09.13 16.43		1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 30'** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-005** Date Collected: **03.07.13 13.00**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Bis(2-ethylhexyl) phthalate	117-81-7	1.24	ug/L	03.13.13 16.14	J	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	10.1	ug/L	03.13.13 16.14	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	14.4	ug/L	03.13.13 16.14	JN	1
(+-)-5-(1-Acetoxy-1-methylethyl)-2 (TIC)	TIC	5.93	ug/L	03.13.13 16.14	JN	1
Cyclotrisiloxane, hexamethyl- (TIC)	TIC	6.00	ug/L	03.13.13 16.14	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	8.58	ug/L	03.13.13 16.14	JN	1

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Date Prep: 03.09.13 11.56

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	3.18	ug/L	03.09.13 17.17		1
Chloroform	67-66-3	0.810	ug/L	03.09.13 17.17		1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-3** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-006** Date Collected: **03.07.13 14.00**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Naphthalene	91-20-3	1.66	ug/L	03.13.13 16.41	J	1
Benzene, (1-methylethyl)- (TIC)	TIC	10.1	ug/L	03.13.13 16.41	JN	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	103	ug/L	03.13.13 16.41	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	11.5	ug/L	03.13.13 16.41	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	11.9	ug/L	03.13.13 16.41	JN	1
Benzene, 1-methyl-2-(1-methylethyl (TIC)	TIC	15.2	ug/L	03.13.13 16.41	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	18.8	ug/L	03.13.13 16.41	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	23.5	ug/L	03.13.13 16.41	JN	1
Benzene, propyl- (TIC)	TIC	29.2	ug/L	03.13.13 16.41	JN	1
Benzene, 1-ethyl-2,3-dimethyl- (TIC)	TIC	8.54	ug/L	03.13.13 16.41	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	9.13	ug/L	03.13.13 16.41	JN	1

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Date Prep: 03.09.13 11.56

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Chloroform	67-66-3	4.60	ug/L	03.09.13 17.50		1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-4** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-007** Date Collected: **03.07.13 14.45**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
13-Docosenamide, (Z)- (TIC)	TIC	9.48	ug/L	03.14.13 23.14	JN	1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-5** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-008** Date Collected: **03.07.13 15.15**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Benzene, propyl- (TIC)	TIC	11.4	ug/L	03.13.13 17.36	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	134	ug/L	03.13.13 17.36	JN	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	14.4	ug/L	03.13.13 17.36	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	37.4	ug/L	03.13.13 17.36	JN	1
Cyclotrisiloxane, hexamethyl- (TIC)	TIC	39.0	ug/L	03.13.13 17.36	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	4.22	ug/L	03.13.13 17.36	JN	1
unknown (TIC)	TIC	4.26	ug/L	03.13.13 17.36	JN	1
Benzene, 1,3-dimethyl- (TIC)	TIC	46.6	ug/L	03.13.13 17.36	JN	1
Benzene, 1-ethyl-2,3-dimethyl- (TIC)	TIC	5.10	ug/L	03.13.13 17.36	JN	1
Cyclopentasiloxane, decamethyl- (TIC)	TIC	6.18	ug/L	03.13.13 17.36	JN	1
unknown (TIC)	TIC	6.18	ug/L	03.13.13 17.36	JN	1

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Date Prep: 03.09.13 11.56

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	2.93	ug/L	03.09.13 19.29		1
Chloroform	67-66-3	0.480	ug/L	03.09.13 19.29	J	1

Hits Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-6** Matrix: **Water** % Moisture:

Lab Sample Id: **458941-009** Date Collected: **03.07.13 16.00**

Date Received: **03.08.13 10.00**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
2-Methylnaphthalene	91-57-6	3.28	ug/L	03.13.13 18.03	J	1
Fluoranthene	206-44-0	5.22	ug/L	03.13.13 18.03	J	1
Naphthalene	91-20-3	10.8	ug/L	03.13.13 18.03		1
Phenanthrene	85-01-8	3.45	ug/L	03.13.13 18.03	J	1
Pyrene	129-00-0	3.27	ug/L	03.13.13 18.03	J	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	100	ug/L	03.13.13 18.03	JN	1
Oxirane, 2-methyl-2-phenyl- (TIC)	TIC	12.2	ug/L	03.13.13 18.03	JN	1
Benzene, 2-ethenyl-1,4-dimethyl- (TIC)	TIC	13.1	ug/L	03.13.13 18.03	JN	1
Benzene, (1-methylethyl)- (TIC)	TIC	19.2	ug/L	03.13.13 18.03	JN	1
Indane (TIC)	TIC	22.0	ug/L	03.13.13 18.03	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	313	ug/L	03.13.13 18.03	JN	1
Benzene, 1-ethyl-2,4-dimethyl- (TIC)	TIC	34.0	ug/L	03.13.13 18.03	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	46.0	ug/L	03.13.13 18.03	JN	1
Benzene, 1-methyl-3-(1-methylethyl (TIC)	TIC	55.8	ug/L	03.13.13 18.03	JN	1
Benzene, propyl- (TIC)	TIC	65.9	ug/L	03.13.13 18.03	JN	1

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Date Prep: 03.09.13 11.56

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	0.810	ug/L	03.09.13 20.02	J	1
Tetrachloroethene (PCE)	127-18-4	1.82	ug/L	03.09.13 20.02		1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1, 0-4'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-001** Date Collected: 03.07.13 10.30 **Sample Depth:** 0 - 4 ft

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Tech: BRO % Moisture: 16.19

Analyst: NTR Date Prep: 03.13.13 10.00 Basis: Dry Weight

Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.396	0.0700	mg/kg	03.14.13 00.31	U	1
1,2-Dichlorobenzene	95-50-1	U	0.396	0.0641	mg/kg	03.14.13 00.31	U	1
1,2-Diphenylhydrazine	122-66-7	U	0.396	0.0435	mg/kg	03.14.13 00.31	U	1
1,3-Dichlorobenzene	541-73-1	U	0.396	0.0625	mg/kg	03.14.13 00.31	U	1
1,4-Dichlorobenzene	106-46-7	U	0.396	0.0617	mg/kg	03.14.13 00.31	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.396	0.0764	mg/kg	03.14.13 00.31	U	1
2,4-Dichlorophenol	120-83-2	U	0.396	0.0503	mg/kg	03.14.13 00.31	U	1
2,4-Dimethylphenol	105-67-9	U	0.396	0.0720	mg/kg	03.14.13 00.31	U	1
2,4-Dinitrophenol	51-28-5	U	0.396	0.0637	mg/kg	03.14.13 00.31	U	1
2,4-Dinitrotoluene	121-14-2	U	0.396	0.0637	mg/kg	03.14.13 00.31	U	1
2,6-Dinitrotoluene	606-20-2	U	0.396	0.0514	mg/kg	03.14.13 00.31	U	1
2-Chloronaphthalene	91-58-7	U	0.396	0.0720	mg/kg	03.14.13 00.31	U	1
2-Chlorophenol	95-57-8	U	0.396	0.0708	mg/kg	03.14.13 00.31	U	1
2-Methylnaphthalene	91-57-6	U	0.396	0.0605	mg/kg	03.14.13 00.31	U	1
2-methylphenol	95-48-7	U	0.396	0.0554	mg/kg	03.14.13 00.31	U	1
2-Nitrophenol	88-75-5	U	0.396	0.0499	mg/kg	03.14.13 00.31	U	1
3&4-Methylphenol	15831-10-4	U	0.396	0.117	mg/kg	03.14.13 00.31	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.396	0.0578	mg/kg	03.14.13 00.31	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.396	0.0689	mg/kg	03.14.13 00.31	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.396	0.0673	mg/kg	03.14.13 00.31	U	1
4-chloro-3-methylphenol	59-50-7	U	0.396	0.0566	mg/kg	03.14.13 00.31	U	1
4-Chloroaniline	106-47-8	U	0.396	0.0657	mg/kg	03.14.13 00.31	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.396	0.0752	mg/kg	03.14.13 00.31	U	1
4-Nitrophenol	100-02-7	U	0.396	0.0487	mg/kg	03.14.13 00.31	U	1
Acenaphthene	83-32-9	U	0.396	0.0554	mg/kg	03.14.13 00.31	U	1
Acenaphthylene	208-96-8	U	0.396	0.0673	mg/kg	03.14.13 00.31	U	1
Anthracene	120-12-7	U	0.396	0.0586	mg/kg	03.14.13 00.31	U	1
Benzo(a)anthracene	56-55-3	U	0.396	0.0641	mg/kg	03.14.13 00.31	U	1
Benzo(a)pyrene	50-32-8	U	0.396	0.0582	mg/kg	03.14.13 00.31	U	1
Benzo(b)fluoranthene	205-99-2	U	0.396	0.0645	mg/kg	03.14.13 00.31	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.396	0.0653	mg/kg	03.14.13 00.31	U	1
Benzo(k)fluoranthene	207-08-9	U	0.396	0.0681	mg/kg	03.14.13 00.31	U	1
Benzoic Acid	65-85-0	U	0.396	0.0625	mg/kg	03.14.13 00.31	U	1
Benzyl Alcohol	100-51-6	U	0.396	0.0633	mg/kg	03.14.13 00.31	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.396	0.0475	mg/kg	03.14.13 00.31	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.396	0.0562	mg/kg	03.14.13 00.31	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.396	0.0534	mg/kg	03.14.13 00.31	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.396	0.0641	mg/kg	03.14.13 00.31	U	1
Butylbenzylphthalate	85-68-7	U	0.396	0.0594	mg/kg	03.14.13 00.31	U	1
Chrysene	218-01-9	U	0.396	0.0526	mg/kg	03.14.13 00.31	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.396	0.0768	mg/kg	03.14.13 00.31	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1, 0-4'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-001** Date Collected: 03.07.13 10.30 **Sample Depth:** 0 - 4 ft

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Tech: BRO % Moisture: 16.19

Analyst: NTR Date Prep: 03.13.13 10.00 Basis: Dry Weight

Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dibenzofuran	132-64-9	U	0.396	0.0507	mg/kg	03.14.13 00.31	U	1
Diethyl Phthalate	84-66-2	U	0.396	0.0637	mg/kg	03.14.13 00.31	U	1
Dimethyl Phthalate	131-11-3	U	0.396	0.0598	mg/kg	03.14.13 00.31	U	1
di-n-Butyl Phthalate	84-74-2	U	0.396	0.0728	mg/kg	03.14.13 00.31	U	1
di-n-Octyl Phthalate	117-84-0	U	0.396	0.0657	mg/kg	03.14.13 00.31	U	1
Fluoranthene	206-44-0	U	0.396	0.0514	mg/kg	03.14.13 00.31	U	1
Fluorene	86-73-7	U	0.396	0.0483	mg/kg	03.14.13 00.31	U	1
Hexachlorobenzene	118-74-1	U	0.396	0.0661	mg/kg	03.14.13 00.31	U	1
Hexachlorobutadiene	87-68-3	U	0.396	0.0439	mg/kg	03.14.13 00.31	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.396	0.0681	mg/kg	03.14.13 00.31	U	1
Hexachloroethane	67-72-1	U	0.396	0.0613	mg/kg	03.14.13 00.31	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.396	0.0720	mg/kg	03.14.13 00.31	U	1
Isophorone	78-59-1	U	0.396	0.0408	mg/kg	03.14.13 00.31	U	1
Naphthalene	91-20-3	U	0.396	0.0633	mg/kg	03.14.13 00.31	U	1
Nitrobenzene	98-95-3	U	0.396	0.0704	mg/kg	03.14.13 00.31	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.396	0.0566	mg/kg	03.14.13 00.31	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.396	0.0831	mg/kg	03.14.13 00.31	U	1
Pentachlorophenol	87-86-5	U	0.396	0.0716	mg/kg	03.14.13 00.31	U	1
Phenanthrene	85-01-8	U	0.396	0.0657	mg/kg	03.14.13 00.31	U	1
Phenol	108-95-2	U	0.396	0.0554	mg/kg	03.14.13 00.31	U	1
Pyrene	129-00-0	U	0.396	0.0673	mg/kg	03.14.13 00.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	54	%	20-112	03.14.13 00.31	
2-Fluorophenol	367-12-4	49	%	18-101	03.14.13 00.31	
Nitrobenzene-d5	4165-60-0	55	%	13-112	03.14.13 00.31	
Phenol-d5	4165-62-2	52	%	15-110	03.14.13 00.31	
Terphenyl-D14	1718-51-0	64	%	21-138	03.14.13 00.31	
2,4,6-Tribromophenol	118-79-6	53	%	21-128	03.14.13 00.31	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1, 0-4'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-001** Date Collected: 03.07.13 10.30 **Sample Depth:** 0 - 4 ft

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: BAT % Moisture: 16.19

Analyst: MLA Date Prep: 03.08.13 06.42 Basis: Dry Weight

Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00077	mg/kg	03.08.13 14.01	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	03.08.13 14.01	UL	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00069	mg/kg	03.08.13 14.01	UL	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00082	mg/kg	03.08.13 14.01	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	03.08.13 14.01	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00055	mg/kg	03.08.13 14.01	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00059	mg/kg	03.08.13 14.01	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0017	mg/kg	03.08.13 14.01	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00089	mg/kg	03.08.13 14.01	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00074	mg/kg	03.08.13 14.01	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00088	mg/kg	03.08.13 14.01	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	03.08.13 14.01	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00061	mg/kg	03.08.13 14.01	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00095	mg/kg	03.08.13 14.01	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00083	mg/kg	03.08.13 14.01	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.0010	mg/kg	03.08.13 14.01	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00070	mg/kg	03.08.13 14.01	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00070	mg/kg	03.08.13 14.01	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00061	mg/kg	03.08.13 14.01	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0093	mg/kg	03.08.13 14.01	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00072	mg/kg	03.08.13 14.01	U	1
2-Hexanone	591-78-6	U	0.010	0.0012	mg/kg	03.08.13 14.01	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00057	mg/kg	03.08.13 14.01	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00082	mg/kg	03.08.13 14.01	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0033	mg/kg	03.08.13 14.01	U	1
Acetone	67-64-1	U	0.010	0.0070	mg/kg	03.08.13 14.01	U	1
Benzene	71-43-2	U	0.0010	0.00052	mg/kg	03.08.13 14.01	U	1
Bromobenzene	108-86-1	U	0.0010	0.00087	mg/kg	03.08.13 14.01	UL	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	03.08.13 14.01	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00051	mg/kg	03.08.13 14.01	U	1
Bromoform	75-25-2	U	0.0010	0.00098	mg/kg	03.08.13 14.01	U	1
Bromomethane	74-83-9	U	0.0051	0.0025	mg/kg	03.08.13 14.01	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00076	mg/kg	03.08.13 14.01	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00059	mg/kg	03.08.13 14.01	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.0010	mg/kg	03.08.13 14.01	U	1
Chloroethane	75-00-3	U	0.0051	0.0025	mg/kg	03.08.13 14.01	U	1
Chloroform	67-66-3	U	0.0010	0.00076	mg/kg	03.08.13 14.01	U	1
Chloromethane	74-87-3	U	0.0051	0.0024	mg/kg	03.08.13 14.01	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00068	mg/kg	03.08.13 14.01	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00055	mg/kg	03.08.13 14.01	U	1
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	03.08.13 14.01	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1, 0-4'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-001** Date Collected: 03.07.13 10.30 **Sample Depth:** 0 - 4 ft

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: BAT % Moisture: 16.19

Analyst: MLA Date Prep: 03.08.13 06.42 Basis: Dry Weight

Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	0.051	0.029	mg/kg	03.08.13 14.01	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00058	mg/kg	03.08.13 14.01	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	03.08.13 14.01	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00078	mg/kg	03.08.13 14.01	U	1
m,p-Xylenes	179601-23-1	U	0.00205	0.00124	mg/kg	03.08.13 14.01	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00071	mg/kg	03.08.13 14.01	U	1
Methylene chloride	75-09-2	U	0.0051	0.0022	mg/kg	03.08.13 14.01	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	03.08.13 14.01	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00090	mg/kg	03.08.13 14.01	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00080	mg/kg	03.08.13 14.01	U	1
o-Xylene	95-47-6	U	0.00102	0.000733	mg/kg	03.08.13 14.01	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00067	mg/kg	03.08.13 14.01	U	1
Styrene	100-42-5	U	0.0010	0.00076	mg/kg	03.08.13 14.01	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00085	mg/kg	03.08.13 14.01	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0011	mg/kg	03.08.13 14.01	U	1
Toluene	108-88-3	U	0.0010	0.00060	mg/kg	03.08.13 14.01	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00080	mg/kg	03.08.13 14.01	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00069	mg/kg	03.08.13 14.01	U	1
Trichloroethene	79-01-6	U	0.0010	0.00072	mg/kg	03.08.13 14.01	U	1
Trichlorofluoromethane	75-69-4	U	0.0051	0.0036	mg/kg	03.08.13 14.01	U	1
Vinyl acetate	108-05-4	U	0.0051	0.00074	mg/kg	03.08.13 14.01	U	1
Vinyl chloride	75-01-4	U	0.0051	0.0021	mg/kg	03.08.13 14.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	50-150	03.08.13 14.01	
4-Bromofluorobenzene	460-00-4	89	%	57-158	03.08.13 14.01	
Toluene-D8	2037-26-5	84	%	50-150	03.08.13 14.01	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-002** Date Collected: 03.07.13 10.50

Analytical Method: **EPH by MADEP Method** Prep Method: SW3520C

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 10.00

Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Unadjusted C11-C22 Aromatics	C11C22	U	200	200	ug/L	03.15.13 09.26	U	1
Unadjusted C9-C18 Aliphatics	ALHYDRC9C18	U	200	200	ug/L	03.14.13 19.16	U	1
Unadjusted C19-C36 Aliphatics	ALHYDRC19C3	U	200	200	ug/L	03.14.13 19.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	116	%	40-140	03.14.13 19.16	
o-Terphenyl	84-15-1	47	%	40-140	03.15.13 09.26	
2-Fluorobiphenyl	321-60-8	68	%	40-140	03.15.13 09.26	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-002** Date Collected: 03.07.13 10.50

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.13.13 15.19	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.13.13 15.19	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.13.13 15.19	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.13.13 15.19	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.13.13 15.19	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.13.13 15.19	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.13.13 15.19	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.13.13 15.19	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.13.13 15.19	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.13.13 15.19	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.13.13 15.19	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.13.13 15.19	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.13.13 15.19	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.13.13 15.19	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.13.13 15.19	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.13.13 15.19	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.13.13 15.19	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.13.13 15.19	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.13.13 15.19	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.13.13 15.19	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.13.13 15.19	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.13.13 15.19	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.13.13 15.19	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.13.13 15.19	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.13.13 15.19	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.13.13 15.19	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.13.13 15.19	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.13.13 15.19	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.13.13 15.19	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.13.13 15.19	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.13.13 15.19	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.13.13 15.19	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.13.13 15.19	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.13.13 15.19	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.13.13 15.19	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.13.13 15.19	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	**1.67**	10.0	1.20	ug/L	03.13.13 15.19	J	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.13.13 15.19	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.13.13 15.19	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.13.13 15.19	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.13.13 15.19	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-002** Date Collected: 03.07.13 10.50

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.13.13 15.19	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.13.13 15.19	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.13.13 15.19	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.13.13 15.19	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.13.13 15.19	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.13.13 15.19	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.13.13 15.19	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.13.13 15.19	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.13.13 15.19	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.13.13 15.19	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.13.13 15.19	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.13.13 15.19	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	03.13.13 15.19	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.13.13 15.19	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.13.13 15.19	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.13.13 15.19	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.13.13 15.19	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.13.13 15.19	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.13.13 15.19	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.13.13 15.19	U	1
13-Docosenamide, (Z)- (TIC)	TIC	**6.93**			ug/L	03.13.13 15.19	JN	1
2,6-Octadiene, 1-bromo-3,7-dimethy (TIC)	TIC	**6.68**			ug/L	03.13.13 15.19	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	**4.47**			ug/L	03.13.13 15.19	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	**11.6**			ug/L	03.13.13 15.19	JN	1
unknown (TIC)	TIC	**8.80**			ug/L	03.13.13 15.19	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	77	%	32-129	03.13.13 15.19	
2-Fluorobiphenyl	321-60-8	71	%	39-99	03.13.13 15.19	
2-Fluorophenol	367-12-4	53	%	33-92	03.13.13 15.19	
Nitrobenzene-d5	4165-60-0	64	%	37-94	03.13.13 15.19	
Phenol-d5	4165-62-2	63	%	28-88	03.13.13 15.19	
Terphenyl-D14	1718-51-0	76	%	18-133	03.13.13 15.19	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-002** Date Collected: 03.07.13 10.50

Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B

Tech: BAT % Moisture:

Analyst: MLA Date Prep: 03.12.13 08.40

Seq Number: 908874

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics (Unadj.)	ALHYDRC5C8	U	15.0	15.0	ug/L	03.12.13 15.18	U	1
C9-C10 Aromatics (Unadj.)	HYDC9C10	U	5.00	5.00	ug/L	03.12.13 15.18	U	1
C9-C12 Aliphatics (Unadj.)	ALHYDRC9C1	U	15.0	15.0	ug/L	03.12.13 15.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	75	%	70-130	03.12.13 15.18	
2,5-Dibromotoluene (PID)	615-59-8	75	%	70-130	03.12.13 15.18	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-002** Date Collected: 03.07.13 10.50

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 16.10	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 16.10	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 16.10	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 16.10	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 16.10	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 16.10	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 16.10	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 16.10	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 16.10	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 16.10	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 16.10	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 16.10	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 16.10	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 16.10	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 16.10	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 16.10	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 16.10	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 16.10	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 16.10	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 16.10	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 16.10	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 16.10	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 16.10	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 16.10	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 16.10	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	03.09.13 16.10	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 16.10	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 16.10	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 16.10	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 16.10	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 16.10	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 16.10	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 16.10	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 16.10	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 16.10	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 16.10	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	03.09.13 16.10	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 16.10	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 16.10	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 16.10	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 16.10	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-1** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-002** Date Collected: 03.07.13 10.50

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 16.10	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 16.10	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 16.10	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 16.10	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 16.10	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 16.10	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 16.10	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 16.10	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 16.10	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 16.10	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 16.10	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 16.10	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 16.10	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 16.10	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 16.10	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 16.10	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 16.10	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 16.10	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 16.10	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 16.10	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 16.10	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 16.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	99	%	53-159	03.09.13 16.10	
4-Bromofluorobenzene	460-00-4	102	%	30-186	03.09.13 16.10	
Toluene-D8	2037-26-5	99	%	70-130	03.09.13 16.10	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 4-8'** Matrix: Soil Date Received: 03.08.13 10.00
Lab Sample Id: **458941-003** Date Collected: 03.07.13 10.45 **Sample Depth:** 4 - 8 ft

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550
Tech: BRO % Moisture: 20.87
Analyst: NTR Date Prep: 03.13.13 10.00 Basis: Dry Weight
Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.421	0.0745	mg/kg	03.14.13 00.58	U	1
1,2-Dichlorobenzene	95-50-1	U	0.421	0.0682	mg/kg	03.14.13 00.58	UX	1
1,2-Diphenylhydrazine	122-66-7	U	0.421	0.0463	mg/kg	03.14.13 00.58	U	1
1,3-Dichlorobenzene	541-73-1	U	0.421	0.0665	mg/kg	03.14.13 00.58	U	1
1,4-Dichlorobenzene	106-46-7	U	0.421	0.0656	mg/kg	03.14.13 00.58	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.421	0.0812	mg/kg	03.14.13 00.58	U	1
2,4-Dichlorophenol	120-83-2	U	0.421	0.0534	mg/kg	03.14.13 00.58	U	1
2,4-Dimethylphenol	105-67-9	U	0.421	0.0766	mg/kg	03.14.13 00.58	U	1
2,4-Dinitrophenol	51-28-5	U	0.421	0.0677	mg/kg	03.14.13 00.58	U	1
2,4-Dinitrotoluene	121-14-2	U	0.421	0.0677	mg/kg	03.14.13 00.58	U	1
2,6-Dinitrotoluene	606-20-2	U	0.421	0.0547	mg/kg	03.14.13 00.58	U	1
2-Chloronaphthalene	91-58-7	U	0.421	0.0766	mg/kg	03.14.13 00.58	U	1
2-Chlorophenol	95-57-8	U	0.421	0.0753	mg/kg	03.14.13 00.58	UXF	1
2-Methylnaphthalene	91-57-6	**0.645**	0.421	0.0644	mg/kg	03.14.13 00.58	X	1
2-methylphenol	95-48-7	U	0.421	0.0589	mg/kg	03.14.13 00.58	UF	1
2-Nitrophenol	88-75-5	U	0.421	0.0530	mg/kg	03.14.13 00.58	U	1
3&4-Methylphenol	15831-10-4	U	0.421	0.125	mg/kg	03.14.13 00.58	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.421	0.0614	mg/kg	03.14.13 00.58	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.421	0.0732	mg/kg	03.14.13 00.58	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.421	0.0715	mg/kg	03.14.13 00.58	U	1
4-chloro-3-methylphenol	59-50-7	U	0.421	0.0602	mg/kg	03.14.13 00.58	U	1
4-Chloroaniline	106-47-8	U	0.421	0.0698	mg/kg	03.14.13 00.58	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.421	0.0799	mg/kg	03.14.13 00.58	U	1
4-Nitrophenol	100-02-7	U	0.421	0.0517	mg/kg	03.14.13 00.58	U	1
Acenaphthene	83-32-9	U	0.421	0.0589	mg/kg	03.14.13 00.58	U	1
Acenaphthylene	208-96-8	U	0.421	0.0715	mg/kg	03.14.13 00.58	U	1
Anthracene	120-12-7	U	0.421	0.0623	mg/kg	03.14.13 00.58	UXF	1
Benzo(a)anthracene	56-55-3	U	0.421	0.0682	mg/kg	03.14.13 00.58	U	1
Benzo(a)pyrene	50-32-8	U	0.421	0.0618	mg/kg	03.14.13 00.58	UX	1
Benzo(b)fluoranthene	205-99-2	U	0.421	0.0686	mg/kg	03.14.13 00.58	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.421	0.0694	mg/kg	03.14.13 00.58	U	1
Benzo(k)fluoranthene	207-08-9	U	0.421	0.0724	mg/kg	03.14.13 00.58	U	1
Benzoic Acid	65-85-0	U	0.421	0.0665	mg/kg	03.14.13 00.58	U	1
Benzyl Alcohol	100-51-6	U	0.421	0.0673	mg/kg	03.14.13 00.58	UF	1
bis(2-chloroethoxy) methane	111-91-1	U	0.421	0.0505	mg/kg	03.14.13 00.58	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.421	0.0597	mg/kg	03.14.13 00.58	UF	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.421	0.0568	mg/kg	03.14.13 00.58	UF	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.421	0.0682	mg/kg	03.14.13 00.58	UF	1
Butylbenzylphthalate	85-68-7	U	0.421	0.0631	mg/kg	03.14.13 00.58	U	1
Chrysene	218-01-9	U	0.421	0.0560	mg/kg	03.14.13 00.58	UX	1
Dibenz(a,h)Anthracene	53-70-3	U	0.421	0.0816	mg/kg	03.14.13 00.58	U	1

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 4-8'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-003** Date Collected: 03.07.13 10.45 **Sample Depth:** 4 - 8 ft

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Tech: BRO % Moisture: 20.87

Analyst: NTR Date Prep: 03.13.13 10.00 Basis: Dry Weight

Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dibenzofuran	132-64-9	U	0.421	0.0538	mg/kg	03.14.13 00.58	UX	1
Diethyl Phthalate	84-66-2	U	0.421	0.0677	mg/kg	03.14.13 00.58	U	1
Dimethyl Phthalate	131-11-3	U	0.421	0.0635	mg/kg	03.14.13 00.58	U	1
di-n-Butyl Phthalate	84-74-2	U	0.421	0.0774	mg/kg	03.14.13 00.58	UXF	1
di-n-Octyl Phthalate	117-84-0	U	0.421	0.0698	mg/kg	03.14.13 00.58	U	1
Fluoranthene	206-44-0	U	0.421	0.0547	mg/kg	03.14.13 00.58	UX	1
Fluorene	86-73-7	U	0.421	0.0513	mg/kg	03.14.13 00.58	U	1
Hexachlorobenzene	118-74-1	U	0.421	0.0703	mg/kg	03.14.13 00.58	U	1
Hexachlorobutadiene	87-68-3	U	0.421	0.0467	mg/kg	03.14.13 00.58	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.421	0.0724	mg/kg	03.14.13 00.58	U	1
Hexachloroethane	67-72-1	U	0.421	0.0652	mg/kg	03.14.13 00.58	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.421	0.0766	mg/kg	03.14.13 00.58	U	1
Isophorone	78-59-1	U	0.421	0.0433	mg/kg	03.14.13 00.58	U	1
Naphthalene	91-20-3	**1.01**	0.421	0.0673	mg/kg	03.14.13 00.58	X	1
Nitrobenzene	98-95-3	U	0.421	0.0749	mg/kg	03.14.13 00.58	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.421	0.0602	mg/kg	03.14.13 00.58	UF	1
N-Nitrosodiphenylamine	86-30-6	U	0.421	0.0883	mg/kg	03.14.13 00.58	U	1
Pentachlorophenol	87-86-5	U	0.421	0.0761	mg/kg	03.14.13 00.58	UF	1
Phenanthrene	85-01-8	U	0.421	0.0698	mg/kg	03.14.13 00.58	UXF	1
Phenol	108-95-2	U	0.421	0.0589	mg/kg	03.14.13 00.58	UF	1
Pyrene	129-00-0	U	0.421	0.0715	mg/kg	03.14.13 00.58	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	62	%	20-112	03.14.13 00.58	
2-Fluorophenol	367-12-4	53	%	18-101	03.14.13 00.58	
Nitrobenzene-d5	4165-60-0	57	%	13-112	03.14.13 00.58	
Phenol-d5	4165-62-2	57	%	15-110	03.14.13 00.58	
Terphenyl-D14	1718-51-0	82	%	21-138	03.14.13 00.58	
2,4,6-Tribromophenol	118-79-6	65	%	21-128	03.14.13 00.58	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 4-8'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-003** Date Collected: 03.07.13 10.45 **Sample Depth:** 4 - 8 ft

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: BAT % Moisture: 20.87

Analyst: MLA Date Prep: 03.08.13 06.42 Basis: Dry Weight

Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0012	0.00089	mg/kg	03.08.13 15.53	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0024	0.0014	mg/kg	03.08.13 15.53	UL	1
1,1,2-Trichloroethane	79-00-5	U	0.0012	0.00079	mg/kg	03.08.13 15.53	UL	1
1,1-Dichloroethane	75-34-3	U	0.0012	0.00095	mg/kg	03.08.13 15.53	U	1
1,1-Dichloroethene	75-35-4	U	0.0024	0.0014	mg/kg	03.08.13 15.53	U	1
1,1-Dichloropropene	563-58-6	U	0.0012	0.00064	mg/kg	03.08.13 15.53	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0012	0.00068	mg/kg	03.08.13 15.53	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0024	0.0019	mg/kg	03.08.13 15.53	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0012	0.0010	mg/kg	03.08.13 15.53	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0012	0.00085	mg/kg	03.08.13 15.53	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0012	0.0010	mg/kg	03.08.13 15.53	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0024	0.0015	mg/kg	03.08.13 15.53	U	1
1,2-Dichloroethane	107-06-2	U	0.0012	0.00070	mg/kg	03.08.13 15.53	U	1
1,2-Dichloropropane	78-87-5	U	0.0012	0.0011	mg/kg	03.08.13 15.53	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0012	0.00096	mg/kg	03.08.13 15.53	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0012	0.0012	mg/kg	03.08.13 15.53	U	1
1,3-Dichloropropane	142-28-9	U	0.0012	0.00081	mg/kg	03.08.13 15.53	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0012	0.00081	mg/kg	03.08.13 15.53	U	1
2,2-Dichloropropane	594-20-7	U	0.0012	0.00071	mg/kg	03.08.13 15.53	U	1
2-Butanone (MEK)	78-93-3	U	0.012	0.011	mg/kg	03.08.13 15.53	U	1
2-Chlorotoluene	95-49-8	U	0.0012	0.00083	mg/kg	03.08.13 15.53	U	1
2-Hexanone	591-78-6	U	0.012	0.0013	mg/kg	03.08.13 15.53	U	1
4-Chlorotoluene	106-43-4	U	0.0012	0.00065	mg/kg	03.08.13 15.53	U	1
4-Isopropyltoluene	99-87-6	U	0.0012	0.00094	mg/kg	03.08.13 15.53	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.012	0.0038	mg/kg	03.08.13 15.53	U	1
Acetone	67-64-1	U	0.012	0.0081	mg/kg	03.08.13 15.53	U	1
Benzene	71-43-2	U	0.0012	0.00060	mg/kg	03.08.13 15.53	U	1
Bromobenzene	108-86-1	U	0.0012	0.0010	mg/kg	03.08.13 15.53	UL	1
Bromochloromethane	74-97-5	U	0.0024	0.0012	mg/kg	03.08.13 15.53	U	1
Bromodichloromethane	75-27-4	U	0.0012	0.00059	mg/kg	03.08.13 15.53	U	1
Bromoform	75-25-2	U	0.0012	0.0011	mg/kg	03.08.13 15.53	U	1
Bromomethane	74-83-9	U	0.0059	0.0029	mg/kg	03.08.13 15.53	U	1
Carbon tetrachloride	56-23-5	U	0.0012	0.00087	mg/kg	03.08.13 15.53	U	1
Chlorobenzene	108-90-7	U	0.0012	0.00068	mg/kg	03.08.13 15.53	U	1
Chlorodibromomethane	124-48-1	U	0.0012	0.0012	mg/kg	03.08.13 15.53	U	1
Chloroethane	75-00-3	U	0.0059	0.0029	mg/kg	03.08.13 15.53	U	1
Chloroform	67-66-3	U	0.0012	0.00087	mg/kg	03.08.13 15.53	U	1
Chloromethane	74-87-3	U	0.0059	0.0027	mg/kg	03.08.13 15.53	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0012	0.00078	mg/kg	03.08.13 15.53	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0012	0.00064	mg/kg	03.08.13 15.53	U	1
Dichlorodifluoromethane	75-71-8	U	0.0024	0.0014	mg/kg	03.08.13 15.53	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 4-8'** Matrix: Soil Date Received: 03.08.13 10.00

Lab Sample Id: **458941-003** Date Collected: 03.07.13 10.45 **Sample Depth:** 4 - 8 ft

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: BAT % Moisture: 20.87

Analyst: MLA Date Prep: 03.08.13 06.42 Basis: Dry Weight

Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	0.059	0.033	mg/kg	03.08.13 15.53	U	1
Ethylbenzene	100-41-4	U	0.0012	0.00067	mg/kg	03.08.13 15.53	U	1
Isopropyl Ether	108-20-3	U	0.0024	0.0015	mg/kg	03.08.13 15.53	U	1
Isopropylbenzene	98-82-8	U	0.0012	0.00089	mg/kg	03.08.13 15.53	U	1
m,p-Xylenes	179601-23-1	U	0.00236	0.00143	mg/kg	03.08.13 15.53	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0024	0.00082	mg/kg	03.08.13 15.53	U	1
Methylene chloride	75-09-2	U	0.0059	0.0026	mg/kg	03.08.13 15.53	U	1
Naphthalene	91-20-3	U	0.0024	0.0015	mg/kg	03.08.13 15.53	U	1
n-Butylbenzene	104-51-8	U	0.0012	0.0010	mg/kg	03.08.13 15.53	U	1
n-Propylbenzene	103-65-1	U	0.0012	0.00092	mg/kg	03.08.13 15.53	U	1
o-Xylene	95-47-6	U	0.00118	0.000844	mg/kg	03.08.13 15.53	U	1
sec-Butylbenzene	135-98-8	U	0.0012	0.00077	mg/kg	03.08.13 15.53	U	1
Styrene	100-42-5	U	0.0012	0.00087	mg/kg	03.08.13 15.53	U	1
tert-Butylbenzene	98-06-6	U	0.0012	0.00098	mg/kg	03.08.13 15.53	U	1
Tetrachloroethene	127-18-4	U	0.0024	0.0012	mg/kg	03.08.13 15.53	U	1
Toluene	108-88-3	U	0.0012	0.00069	mg/kg	03.08.13 15.53	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0012	0.00092	mg/kg	03.08.13 15.53	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0012	0.00079	mg/kg	03.08.13 15.53	U	1
Trichloroethene	79-01-6	U	0.0012	0.00083	mg/kg	03.08.13 15.53	U	1
Trichlorofluoromethane	75-69-4	U	0.0059	0.0041	mg/kg	03.08.13 15.53	U	1
Vinyl acetate	108-05-4	U	0.0059	0.00085	mg/kg	03.08.13 15.53	U	1
Vinyl chloride	75-01-4	U	0.0059	0.0024	mg/kg	03.08.13 15.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	107	%	50-150	03.08.13 15.53	
4-Bromofluorobenzene	460-00-4	87	%	57-158	03.08.13 15.53	
Toluene-D8	2037-26-5	84	%	50-150	03.08.13 15.53	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-004** Date Collected: 03.07.13 12.30

Analytical Method: **EPH by MADEP Method** Prep Method: SW3520C

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 10.00

Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Unadjusted C11-C22 Aromatics	C11C22	U	200	200	ug/L	03.15.13 10.08	U	1
Unadjusted C9-C18 Aliphatics	ALHYDRC9C18	U	200	200	ug/L	03.14.13 19.55	U	1
Unadjusted C19-C36 Aliphatics	ALHYDRC19C3	U	200	200	ug/L	03.14.13 19.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	107	%	40-140	03.14.13 19.55	
o-Terphenyl	84-15-1	42	%	40-140	03.15.13 10.08	
2-Fluorobiphenyl	321-60-8	54	%	40-140	03.15.13 10.08	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-004** Date Collected: 03.07.13 12.30

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.13.13 15.46	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.13.13 15.46	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.13.13 15.46	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.13.13 15.46	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.13.13 15.46	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.13.13 15.46	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.13.13 15.46	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.13.13 15.46	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.13.13 15.46	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.13.13 15.46	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.13.13 15.46	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.13.13 15.46	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.13.13 15.46	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.13.13 15.46	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.13.13 15.46	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.13.13 15.46	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.13.13 15.46	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.13.13 15.46	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.13.13 15.46	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.13.13 15.46	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.13.13 15.46	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.13.13 15.46	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.13.13 15.46	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.13.13 15.46	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.13.13 15.46	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.13.13 15.46	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.13.13 15.46	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.13.13 15.46	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.13.13 15.46	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.13.13 15.46	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.13.13 15.46	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.13.13 15.46	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.13.13 15.46	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.13.13 15.46	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.13.13 15.46	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.13.13 15.46	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.13.13 15.46	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.13.13 15.46	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.13.13 15.46	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.13.13 15.46	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.13.13 15.46	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-004** Date Collected: 03.07.13 12.30

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.13.13 15.46	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.13.13 15.46	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.13.13 15.46	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.13.13 15.46	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.13.13 15.46	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.13.13 15.46	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.13.13 15.46	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.13.13 15.46	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.13.13 15.46	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.13.13 15.46	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.13.13 15.46	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.13.13 15.46	U	1
Naphthalene	91-20-3	**1.62**	10.0	1.52	ug/L	03.13.13 15.46	J	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.13.13 15.46	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.13.13 15.46	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.13.13 15.46	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.13.13 15.46	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.13.13 15.46	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.13.13 15.46	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.13.13 15.46	U	1
13-Docosenamide, (Z)- (TIC)	TIC	**13.3**			ug/L	03.13.13 15.46	JN	1
Benzene, (1-methylethyl)- (TIC)	TIC	**11.7**			ug/L	03.13.13 15.46	JN	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	**110**			ug/L	03.13.13 15.46	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	**24.6**			ug/L	03.13.13 15.46	JN	1
Benzene, 1-methyl-3-(1-methylethyl (TIC)	TIC	**16.2**			ug/L	03.13.13 15.46	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	**12.6**			ug/L	03.13.13 15.46	JN	1
Benzene, cyclopropyl- (TIC)	TIC	**8.93**			ug/L	03.13.13 15.46	JN	1
Benzene, propyl- (TIC)	TIC	**33.2**			ug/L	03.13.13 15.46	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	**8.54**			ug/L	03.13.13 15.46	JN	1
Octane (TIC)	TIC	**8.45**			ug/L	03.13.13 15.46	JN	1
unknown (TIC)	TIC	**7.11**			ug/L	03.13.13 15.46	JN	1
unknown (TIC)	TIC	**7.54**			ug/L	03.13.13 15.46	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	83	%	32-129	03.13.13 15.46	
2-Fluorobiphenyl	321-60-8	72	%	39-99	03.13.13 15.46	
2-Fluorophenol	367-12-4	54	%	33-92	03.13.13 15.46	
Nitrobenzene-d5	4165-60-0	63	%	37-94	03.13.13 15.46	
Phenol-d5	4165-62-2	61	%	28-88	03.13.13 15.46	
Terphenyl-D14	1718-51-0	79	%	18-133	03.13.13 15.46	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-004** Date Collected: 03.07.13 12.30

Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B

Tech: BAT % Moisture:

Analyst: MLA Date Prep: 03.12.13 08.40

Seq Number: 908874

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics (Unadj.)	ALHYDRC5C8	U	15.0	15.0	ug/L	03.12.13 16.02	U	1
C9-C10 Aromatics (Unadj.)	HYDC9C10	U	5.00	5.00	ug/L	03.12.13 16.02	U	1
C9-C12 Aliphatics (Unadj.)	ALHYDRC9C1	U	15.0	15.0	ug/L	03.12.13 16.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	75	%	70-130	03.12.13 16.02	
2,5-Dibromotoluene (PID)	615-59-8	75	%	70-130	03.12.13 16.02	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-004** Date Collected: 03.07.13 12.30

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 16.43	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 16.43	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 16.43	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 16.43	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 16.43	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 16.43	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 16.43	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 16.43	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 16.43	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 16.43	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 16.43	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 16.43	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 16.43	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 16.43	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 16.43	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 16.43	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 16.43	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 16.43	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 16.43	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 16.43	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 16.43	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 16.43	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 16.43	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 16.43	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 16.43	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	03.09.13 16.43	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 16.43	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 16.43	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 16.43	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 16.43	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 16.43	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 16.43	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 16.43	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 16.43	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 16.43	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 16.43	U	1
Chloroform	67-66-3	**2.05**	0.500	0.172	ug/L	03.09.13 16.43		1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 16.43	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 16.43	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 16.43	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 16.43	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-004** Date Collected: 03.07.13 12.30

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 16.43	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 16.43	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 16.43	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 16.43	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 16.43	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 16.43	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 16.43	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 16.43	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 16.43	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 16.43	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 16.43	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 16.43	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 16.43	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 16.43	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 16.43	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 16.43	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 16.43	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 16.43	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 16.43	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 16.43	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 16.43	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 16.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	102	%	53-159	03.09.13 16.43	
4-Bromofluorobenzene	460-00-4	101	%	30-186	03.09.13 16.43	
Toluene-D8	2037-26-5	100	%	70-130	03.09.13 16.43	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 30'** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-005** Date Collected: 03.07.13 13.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.13.13 16.14	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.13.13 16.14	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.13.13 16.14	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.13.13 16.14	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.13.13 16.14	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.13.13 16.14	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.13.13 16.14	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.13.13 16.14	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.13.13 16.14	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.13.13 16.14	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.13.13 16.14	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.13.13 16.14	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.13.13 16.14	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.13.13 16.14	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.13.13 16.14	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.13.13 16.14	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.13.13 16.14	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.13.13 16.14	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.13.13 16.14	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.13.13 16.14	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.13.13 16.14	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.13.13 16.14	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.13.13 16.14	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.13.13 16.14	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.13.13 16.14	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.13.13 16.14	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.13.13 16.14	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.13.13 16.14	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.13.13 16.14	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.13.13 16.14	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.13.13 16.14	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.13.13 16.14	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.13.13 16.14	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.13.13 16.14	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.13.13 16.14	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.13.13 16.14	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	**1.24**	10.0	1.20	ug/L	03.13.13 16.14	J	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.13.13 16.14	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.13.13 16.14	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.13.13 16.14	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.13.13 16.14	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 30'** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-005** Date Collected: 03.07.13 13.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.13.13 16.14	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.13.13 16.14	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.13.13 16.14	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.13.13 16.14	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.13.13 16.14	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.13.13 16.14	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.13.13 16.14	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.13.13 16.14	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.13.13 16.14	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.13.13 16.14	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.13.13 16.14	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.13.13 16.14	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	03.13.13 16.14	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.13.13 16.14	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.13.13 16.14	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.13.13 16.14	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.13.13 16.14	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.13.13 16.14	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.13.13 16.14	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.13.13 16.14	U	1
(+-)-5-(1-Acetoxy-1-methylethyl)-2 (TIC)	TIC	**5.93**			ug/L	03.13.13 16.14	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	**8.58**			ug/L	03.13.13 16.14	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	**14.4**			ug/L	03.13.13 16.14	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	**10.1**			ug/L	03.13.13 16.14	JN	1
Cyclotrisiloxane, hexamethyl- (TIC)	TIC	**6.00**			ug/L	03.13.13 16.14	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	71	%	32-129	03.13.13 16.14	
2-Fluorobiphenyl	321-60-8	68	%	39-99	03.13.13 16.14	
2-Fluorophenol	367-12-4	53	%	33-92	03.13.13 16.14	
Nitrobenzene-d5	4165-60-0	61	%	37-94	03.13.13 16.14	
Phenol-d5	4165-62-2	57	%	28-88	03.13.13 16.14	
Terphenyl-D14	1718-51-0	80	%	18-133	03.13.13 16.14	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 30'** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-005** Date Collected: 03.07.13 13.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Tech: 4124 % Moisture:
Analyst: 4124 Date Prep: 03.09.13 11.56
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 17.17	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 17.17	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 17.17	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 17.17	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 17.17	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 17.17	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 17.17	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 17.17	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 17.17	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 17.17	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 17.17	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 17.17	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 17.17	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 17.17	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 17.17	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 17.17	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 17.17	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 17.17	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 17.17	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 17.17	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 17.17	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 17.17	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 17.17	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 17.17	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 17.17	U	1
Acetone	67-64-1	**3.18**	2.00	0.352	ug/L	03.09.13 17.17		1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 17.17	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 17.17	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 17.17	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 17.17	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 17.17	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 17.17	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 17.17	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 17.17	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 17.17	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 17.17	U	1
Chloroform	67-66-3	**0.810**	0.500	0.172	ug/L	03.09.13 17.17		1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 17.17	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 17.17	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 17.17	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 17.17	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-2, 30'** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-005** Date Collected: 03.07.13 13.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 17.17	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 17.17	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 17.17	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 17.17	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 17.17	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 17.17	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 17.17	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 17.17	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 17.17	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 17.17	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 17.17	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 17.17	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 17.17	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 17.17	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 17.17	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 17.17	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 17.17	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 17.17	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 17.17	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 17.17	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 17.17	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 17.17	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	103	%	53-159	03.09.13 17.17	
4-Bromofluorobenzene	460-00-4	102	%	30-186	03.09.13 17.17	
Toluene-D8	2037-26-5	100	%	70-130	03.09.13 17.17	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-3** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-006** Date Collected: 03.07.13 14.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.13.13 16.41	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.13.13 16.41	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.13.13 16.41	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.13.13 16.41	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.13.13 16.41	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.13.13 16.41	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.13.13 16.41	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.13.13 16.41	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.13.13 16.41	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.13.13 16.41	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.13.13 16.41	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.13.13 16.41	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.13.13 16.41	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.13.13 16.41	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.13.13 16.41	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.13.13 16.41	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.13.13 16.41	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.13.13 16.41	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.13.13 16.41	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.13.13 16.41	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.13.13 16.41	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.13.13 16.41	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.13.13 16.41	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.13.13 16.41	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.13.13 16.41	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.13.13 16.41	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.13.13 16.41	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.13.13 16.41	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.13.13 16.41	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.13.13 16.41	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.13.13 16.41	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.13.13 16.41	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.13.13 16.41	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.13.13 16.41	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.13.13 16.41	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.13.13 16.41	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.13.13 16.41	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.13.13 16.41	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.13.13 16.41	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.13.13 16.41	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.13.13 16.41	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-3** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-006** Date Collected: 03.07.13 14.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.13.13 16.41	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.13.13 16.41	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.13.13 16.41	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.13.13 16.41	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.13.13 16.41	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.13.13 16.41	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.13.13 16.41	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.13.13 16.41	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.13.13 16.41	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.13.13 16.41	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.13.13 16.41	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.13.13 16.41	U	1
Naphthalene	91-20-3	**1.66**	10.0	1.52	ug/L	03.13.13 16.41	J	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.13.13 16.41	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.13.13 16.41	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.13.13 16.41	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.13.13 16.41	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.13.13 16.41	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.13.13 16.41	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.13.13 16.41	U	1
9-Octadecenamide, (Z)- (TIC)	TIC	**11.5**			ug/L	03.13.13 16.41	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	**9.13**			ug/L	03.13.13 16.41	JN	1
Benzene, (1-methylethyl)- (TIC)	TIC	**10.1**			ug/L	03.13.13 16.41	JN	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	**103**			ug/L	03.13.13 16.41	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	**23.5**			ug/L	03.13.13 16.41	JN	1
Benzene, 1-ethyl-2,3-dimethyl- (TIC)	TIC	**8.54**			ug/L	03.13.13 16.41	JN	1
Benzene, 1-methyl-2-(1-methylethyl (TIC)	TIC	**15.2**			ug/L	03.13.13 16.41	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	**11.9**			ug/L	03.13.13 16.41	JN	1
Benzene, propyl- (TIC)	TIC	**29.2**			ug/L	03.13.13 16.41	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	**18.8**			ug/L	03.13.13 16.41	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	65	%	32-129	03.13.13 16.41	
2-Fluorobiphenyl	321-60-8	70	%	39-99	03.13.13 16.41	
2-Fluorophenol	367-12-4	50	%	33-92	03.13.13 16.41	
Nitrobenzene-d5	4165-60-0	67	%	37-94	03.13.13 16.41	
Phenol-d5	4165-62-2	49	%	28-88	03.13.13 16.41	
Terphenyl-D14	1718-51-0	78	%	18-133	03.13.13 16.41	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-3** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-006** Date Collected: 03.07.13 14.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 17.50	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 17.50	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 17.50	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 17.50	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 17.50	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 17.50	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 17.50	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 17.50	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 17.50	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 17.50	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 17.50	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 17.50	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 17.50	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 17.50	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 17.50	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 17.50	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 17.50	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 17.50	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 17.50	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 17.50	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 17.50	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 17.50	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 17.50	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 17.50	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 17.50	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	03.09.13 17.50	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 17.50	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 17.50	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 17.50	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 17.50	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 17.50	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 17.50	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 17.50	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 17.50	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 17.50	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 17.50	U	1
Chloroform	67-66-3	**4.60**	0.500	0.172	ug/L	03.09.13 17.50		1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 17.50	UF	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 17.50	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 17.50	UX	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 17.50	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-3** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-006** Date Collected: 03.07.13 14.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 17.50	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 17.50	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 17.50	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 17.50	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 17.50	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 17.50	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 17.50	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 17.50	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 17.50	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 17.50	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 17.50	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 17.50	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 17.50	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 17.50	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 17.50	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 17.50	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 17.50	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 17.50	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 17.50	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 17.50	UF	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 17.50	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 17.50	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	03.09.13 17.50	
4-Bromofluorobenzene	460-00-4	103	%	30-186	03.09.13 17.50	
Toluene-D8	2037-26-5	102	%	70-130	03.09.13 17.50	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-4** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-007** Date Collected: 03.07.13 14.45

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.14.13 23.14	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.14.13 23.14	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.14.13 23.14	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.14.13 23.14	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.14.13 23.14	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.14.13 23.14	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.14.13 23.14	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.14.13 23.14	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.14.13 23.14	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.14.13 23.14	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.14.13 23.14	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.14.13 23.14	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.14.13 23.14	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.14.13 23.14	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.14.13 23.14	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.14.13 23.14	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.14.13 23.14	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.14.13 23.14	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.14.13 23.14	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.14.13 23.14	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.14.13 23.14	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.14.13 23.14	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.14.13 23.14	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.14.13 23.14	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.14.13 23.14	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.14.13 23.14	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.14.13 23.14	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.14.13 23.14	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.14.13 23.14	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.14.13 23.14	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.14.13 23.14	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.14.13 23.14	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.14.13 23.14	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.14.13 23.14	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.14.13 23.14	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.14.13 23.14	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.14.13 23.14	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.14.13 23.14	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.14.13 23.14	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.14.13 23.14	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.14.13 23.14	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-4** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-007** Date Collected: 03.07.13 14.45

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.14.13 23.14	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.14.13 23.14	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.14.13 23.14	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.14.13 23.14	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.14.13 23.14	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.14.13 23.14	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.14.13 23.14	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.14.13 23.14	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.14.13 23.14	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.14.13 23.14	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.14.13 23.14	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.14.13 23.14	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	03.14.13 23.14	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.14.13 23.14	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.14.13 23.14	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.14.13 23.14	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.14.13 23.14	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.14.13 23.14	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.14.13 23.14	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.14.13 23.14	U	1
13-Docosenamide, (Z)- (TIC)	TIC	**9.48**			ug/L	03.14.13 23.14	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	82	%	32-129	03.14.13 23.14	
2-Fluorobiphenyl	321-60-8	65	%	39-99	03.14.13 23.14	
2-Fluorophenol	367-12-4	55	%	33-92	03.14.13 23.14	
Nitrobenzene-d5	4165-60-0	58	%	37-94	03.14.13 23.14	
Phenol-d5	4165-62-2	61	%	28-88	03.14.13 23.14	
Terphenyl-D14	1718-51-0	98	%	18-133	03.14.13 23.14	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-4** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-007** Date Collected: 03.07.13 14.45

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 18.56	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 18.56	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 18.56	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 18.56	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 18.56	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 18.56	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 18.56	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 18.56	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 18.56	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 18.56	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 18.56	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 18.56	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 18.56	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 18.56	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 18.56	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 18.56	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 18.56	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 18.56	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 18.56	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 18.56	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 18.56	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 18.56	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 18.56	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 18.56	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 18.56	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	03.09.13 18.56	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 18.56	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 18.56	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 18.56	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 18.56	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 18.56	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 18.56	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 18.56	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 18.56	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 18.56	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 18.56	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	03.09.13 18.56	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 18.56	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 18.56	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 18.56	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 18.56	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-4** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-007** Date Collected: 03.07.13 14.45

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 18.56	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 18.56	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 18.56	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 18.56	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 18.56	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 18.56	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 18.56	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 18.56	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 18.56	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 18.56	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 18.56	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 18.56	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 18.56	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 18.56	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 18.56	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 18.56	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 18.56	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 18.56	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 18.56	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 18.56	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 18.56	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 18.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	106	%	53-159	03.09.13 18.56	
4-Bromofluorobenzene	460-00-4	98	%	30-186	03.09.13 18.56	
Toluene-D8	2037-26-5	102	%	70-130	03.09.13 18.56	

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XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-5** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-008** Date Collected: 03.07.13 15.15

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.13.13 17.36	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.13.13 17.36	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.13.13 17.36	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.13.13 17.36	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.13.13 17.36	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.13.13 17.36	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.13.13 17.36	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.13.13 17.36	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.13.13 17.36	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.13.13 17.36	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.13.13 17.36	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.13.13 17.36	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.13.13 17.36	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.13.13 17.36	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.13.13 17.36	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.13.13 17.36	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.13.13 17.36	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.13.13 17.36	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.13.13 17.36	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.13.13 17.36	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.13.13 17.36	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.13.13 17.36	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.13.13 17.36	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.13.13 17.36	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.13.13 17.36	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.13.13 17.36	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.13.13 17.36	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.13.13 17.36	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.13.13 17.36	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.13.13 17.36	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.13.13 17.36	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.13.13 17.36	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.13.13 17.36	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.13.13 17.36	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.13.13 17.36	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.13.13 17.36	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.13.13 17.36	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.13.13 17.36	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.13.13 17.36	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.13.13 17.36	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.13.13 17.36	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-5** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-008** Date Collected: 03.07.13 15.15

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.13.13 17.36	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.13.13 17.36	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.13.13 17.36	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.13.13 17.36	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.13.13 17.36	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.13.13 17.36	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.13.13 17.36	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.13.13 17.36	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.13.13 17.36	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.13.13 17.36	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.13.13 17.36	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.13.13 17.36	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	03.13.13 17.36	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.13.13 17.36	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.13.13 17.36	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.13.13 17.36	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.13.13 17.36	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.13.13 17.36	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.13.13 17.36	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.13.13 17.36	U	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	**14.4**			ug/L	03.13.13 17.36	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	**37.4**			ug/L	03.13.13 17.36	JN	1
Benzene, 1,3-dimethyl- (TIC)	TIC	**46.6**			ug/L	03.13.13 17.36	JN	1
Benzene, 1-ethyl-2,3-dimethyl- (TIC)	TIC	**5.10**			ug/L	03.13.13 17.36	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	**4.22**			ug/L	03.13.13 17.36	JN	1
Benzene, propyl- (TIC)	TIC	**11.4**			ug/L	03.13.13 17.36	JN	1
Cyclopentasiloxane, decamethyl- (TIC)	TIC	**6.18**			ug/L	03.13.13 17.36	JN	1
Cyclotetrasiloxane, octamethyl- (TIC)	TIC	**134**			ug/L	03.13.13 17.36	JN	1
Cyclotrisiloxane, hexamethyl- (TIC)	TIC	**39.0**			ug/L	03.13.13 17.36	JN	1
unknown (TIC)	TIC	**6.18**			ug/L	03.13.13 17.36	JN	1
unknown (TIC)	TIC	**4.26**			ug/L	03.13.13 17.36	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	53	%	32-129	03.13.13 17.36	
2-Fluorobiphenyl	321-60-8	70	%	39-99	03.13.13 17.36	
2-Fluorophenol	367-12-4	49	%	33-92	03.13.13 17.36	
Nitrobenzene-d5	4165-60-0	63	%	37-94	03.13.13 17.36	
Phenol-d5	4165-62-2	51	%	28-88	03.13.13 17.36	
Terphenyl-D14	1718-51-0	81	%	18-133	03.13.13 17.36	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-5** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-008** Date Collected: 03.07.13 15.15

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Tech: 4124 % Moisture:
Analyst: 4124 Date Prep: 03.09.13 11.56
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 19.29	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 19.29	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 19.29	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 19.29	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 19.29	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 19.29	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 19.29	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 19.29	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 19.29	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 19.29	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 19.29	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 19.29	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 19.29	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 19.29	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 19.29	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 19.29	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 19.29	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 19.29	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 19.29	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 19.29	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 19.29	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 19.29	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 19.29	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 19.29	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 19.29	U	1
Acetone	67-64-1	**2.93**	2.00	0.352	ug/L	03.09.13 19.29		1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 19.29	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 19.29	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 19.29	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 19.29	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 19.29	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 19.29	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 19.29	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 19.29	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 19.29	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 19.29	U	1
Chloroform	67-66-3	**0.480**	0.500	0.172	ug/L	03.09.13 19.29	J	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 19.29	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 19.29	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 19.29	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 19.29	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-5** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-008** Date Collected: 03.07.13 15.15

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 19.29	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 19.29	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 19.29	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 19.29	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 19.29	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 19.29	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 19.29	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 19.29	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 19.29	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 19.29	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 19.29	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 19.29	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 19.29	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 19.29	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 19.29	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 19.29	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 19.29	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 19.29	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 19.29	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 19.29	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 19.29	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 19.29	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	108	%	53-159	03.09.13 19.29	
4-Bromofluorobenzene	460-00-4	100	%	30-186	03.09.13 19.29	
Toluene-D8	2037-26-5	102	%	70-130	03.09.13 19.29	

Certificate of Analytical Results 458941

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-6** Matrix: Water Date Received: 03.08.13 10.00
Lab Sample Id: **458941-009** Date Collected: 03.07.13 16.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.13.13 18.03	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.13.13 18.03	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.13.13 18.03	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.13.13 18.03	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.13.13 18.03	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.13.13 18.03	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.13.13 18.03	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.13.13 18.03	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.13.13 18.03	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.13.13 18.03	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.13.13 18.03	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.13.13 18.03	U	1
2-Methylnaphthalene	91-57-6	**3.28**	10.0	1.19	ug/L	03.13.13 18.03	J	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.13.13 18.03	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.13.13 18.03	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.13.13 18.03	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.13.13 18.03	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.13.13 18.03	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.13.13 18.03	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.13.13 18.03	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.13.13 18.03	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.13.13 18.03	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.13.13 18.03	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.13.13 18.03	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.13.13 18.03	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.13.13 18.03	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.13.13 18.03	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.13.13 18.03	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.13.13 18.03	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.13.13 18.03	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.13.13 18.03	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.13.13 18.03	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.13.13 18.03	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.13.13 18.03	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.13.13 18.03	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.13.13 18.03	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.13.13 18.03	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.13.13 18.03	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.13.13 18.03	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.13.13 18.03	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.13.13 18.03	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-6** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-009** Date Collected: 03.07.13 16.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.13.13 18.03	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.13.13 18.03	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.13.13 18.03	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.13.13 18.03	U	1
Fluoranthene	206-44-0	**5.22**	10.0	1.81	ug/L	03.13.13 18.03	J	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.13.13 18.03	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.13.13 18.03	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.13.13 18.03	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.13.13 18.03	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.13.13 18.03	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.13.13 18.03	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.13.13 18.03	U	1
Naphthalene	91-20-3	**10.8**	10.0	1.52	ug/L	03.13.13 18.03		1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.13.13 18.03	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.13.13 18.03	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.13.13 18.03	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.13.13 18.03	U	1
Phenanthrene	85-01-8	**3.45**	10.0	2.04	ug/L	03.13.13 18.03	J	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.13.13 18.03	U	1
Pyrene	129-00-0	**3.27**	10.0	2.40	ug/L	03.13.13 18.03	J	1
Benzene, (1-methylethyl)- (TIC)	TIC	**19.2**			ug/L	03.13.13 18.03	JN	1
Benzene, 1,2,3-trimethyl- (TIC)	TIC	**100**			ug/L	03.13.13 18.03	JN	1
Benzene, 1,2,4-trimethyl- (TIC)	TIC	**313**			ug/L	03.13.13 18.03	JN	1
Benzene, 1-ethyl-2,4-dimethyl- (TIC)	TIC	**34.0**			ug/L	03.13.13 18.03	JN	1
Benzene, 1-methyl-3-(1-methylethyl (TIC)	TIC	**55.8**			ug/L	03.13.13 18.03	JN	1
Benzene, 1-methyl-3-propyl- (TIC)	TIC	**46.0**			ug/L	03.13.13 18.03	JN	1
Benzene, 2-ethenyl-1,4-dimethyl- (TIC)	TIC	**13.1**			ug/L	03.13.13 18.03	JN	1
Benzene, propyl- (TIC)	TIC	**65.9**			ug/L	03.13.13 18.03	JN	1
Indane (TIC)	TIC	**22.0**			ug/L	03.13.13 18.03	JN	1
Oxirane, 2-methyl-2-phenyl- (TIC)	TIC	**12.2**			ug/L	03.13.13 18.03	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	87	%	32-129	03.13.13 18.03	
2-Fluorobiphenyl	321-60-8	75	%	39-99	03.13.13 18.03	
2-Fluorophenol	367-12-4	57	%	33-92	03.13.13 18.03	
Nitrobenzene-d5	4165-60-0	71	%	37-94	03.13.13 18.03	
Phenol-d5	4165-62-2	55	%	28-88	03.13.13 18.03	
Terphenyl-D14	1718-51-0	84	%	18-133	03.13.13 18.03	

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-6** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-009** Date Collected: 03.07.13 16.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 20.02	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 20.02	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 20.02	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 20.02	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 20.02	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 20.02	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 20.02	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 20.02	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 20.02	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 20.02	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 20.02	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 20.02	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 20.02	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 20.02	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 20.02	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 20.02	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 20.02	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 20.02	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 20.02	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 20.02	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 20.02	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 20.02	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 20.02	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 20.02	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 20.02	U	1
Acetone	67-64-1	**0.810**	2.00	0.352	ug/L	03.09.13 20.02	J	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 20.02	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 20.02	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 20.02	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 20.02	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 20.02	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 20.02	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 20.02	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 20.02	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 20.02	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 20.02	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	03.09.13 20.02	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 20.02	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 20.02	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 20.02	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 20.02	U	1

Certificate of Analytical Results 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-6** Matrix: Water Date Received: 03.08.13 10.00

Lab Sample Id: **458941-009** Date Collected: 03.07.13 16.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 20.02	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 20.02	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 20.02	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 20.02	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 20.02	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 20.02	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 20.02	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 20.02	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 20.02	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 20.02	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 20.02	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 20.02	U	1
Tetrachloroethene (PCE)	127-18-4	**1.82**	0.500	0.0540	ug/L	03.09.13 20.02		1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 20.02	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 20.02	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 20.02	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 20.02	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 20.02	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 20.02	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 20.02	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 20.02	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 20.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	106	%	53-159	03.09.13 20.02	
4-Bromofluorobenzene	460-00-4	100	%	30-186	03.09.13 20.02	
Toluene-D8	2037-26-5	104	%	70-130	03.09.13 20.02	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **EPH by MADEP Method** Prep Method: SW3520C

Seq Number: 909088 Matrix: Water Date Prep: 03/11/2013

MB Sample Id: 635134-1-BLK LCS Sample Id: 635134-1-BKS LCSD Sample Id: 635134-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Unadjusted C11-C22 Aromatics	<200	1700	2060	121	1720	101	40-140	18	40	ug/L	03/15/13 12:16	
Unadjusted C9-C18 Aliphatics	<200	1200	1250	104	1280	107	40-140	2	40	ug/L	03/14/13 17:59	
Unadjusted C19-C36 Aliphatics	<200	1600	1210	76	1380	86	40-140	13	40	ug/L	03/14/13 17:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	108		119		116		40-140	%	03/14/13 17:59
o-Terphenyl	125		50		78		40-140	%	03/15/13 12:16
2-Fluorobiphenyl	120		67		49		40-140	%	03/15/13 12:16

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: SW3510C
Seq Number: 908927 Matrix: Water Date Prep: 03/11/2013
MB Sample Id: 635024-1-BLK LCS Sample Id: 635024-1-BKS LCSD Sample Id: 635024-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<1.43	100	71.9	72	71.7	72	44-142	0	30	ug/L	03/13/13 13:02	
1,2-Dichlorobenzene	<1.83	100	76.1	76	71.9	72	32-129	6	30	ug/L	03/13/13 13:02	
1,3-Dichlorobenzene	<2.11	100	90.4	90	71.8	72	10-172	23	30	ug/L	03/13/13 13:02	
2,4,6-Trichlorophenol	<1.64	100	74.4	74	77.9	78	37-144	5	30	ug/L	03/13/13 13:02	
2,4-Dichlorophenol	<1.78	100	73.8	74	73.4	73	39-135	1	30	ug/L	03/13/13 13:02	
2,4-Dimethylphenol	<1.63	100	73.2	73	70.4	70	32-119	4	30	ug/L	03/13/13 13:02	
2,4-Dinitrophenol	<7.11	100	49.5	50	46.1	46	10-191	7	30	ug/L	03/13/13 13:02	
2,4-Dinitrotoluene	<2.14	100	80.5	81	80.2	80	39-139	0	30	ug/L	03/13/13 13:02	
2,6-Dinitrotoluene	<2.72	100	77.0	77	76.0	76	50-158	1	30	ug/L	03/13/13 13:02	
2-Chloronaphthalene	<1.29	100	74.7	75	70.6	71	60-118	6	30	ug/L	03/13/13 13:02	
2-Chlorophenol	<1.83	100	73.0	73	72.6	73	23-134	1	30	ug/L	03/13/13 13:02	
2-Methylnaphthalene	<1.19	100	70.2	70	70.4	70	45-105	0	30	ug/L	03/13/13 13:02	
2-Methylphenol	<2.00	100	72.7	73	74.8	75	40-110	3	30	ug/L	03/13/13 13:02	
2-Nitrophenol	<1.95	100	69.1	69	74.3	74	29-182	7	30	ug/L	03/13/13 13:02	
3&4-Methylphenol	<2.55	200	182	91	168	84	30-110	8	30	ug/L	03/13/13 13:02	
3,3-Dichlorobenzidine	<3.88	100	142	142	136	136	10-262	4	30	ug/L	03/13/13 13:02	
4,6-Dinitro-2-methyl phenol	<1.40	100	74.2	74	77.2	77	10-181	4	30	ug/L	03/13/13 13:02	
4-Bromophenyl phenyl ether	<2.12	100	71.6	72	73.6	74	53-127	3	30	ug/L	03/13/13 13:02	
4-Chloro-3-methylphenol	<2.18	100	79.4	79	73.5	74	22-147	8	30	ug/L	03/13/13 13:02	
4-Chloroaniline	<3.09	100	76.2	76	79.3	79	15-110	4	30	ug/L	03/13/13 13:02	
4-Chlorophenyl phenyl ether	<1.35	100	78.8	79	80.9	81	25-158	3	30	ug/L	03/13/13 13:02	
4-Nitrophenol	<2.41	100	76.7	77	81.4	81	10-132	6	30	ug/L	03/13/13 13:02	
Acenaphthene	<1.43	100	81.3	81	83.1	83	47-145	2	30	ug/L	03/13/13 13:02	
Acenaphthylene	<1.48	100	82.9	83	83.4	83	33-145	1	30	ug/L	03/13/13 13:02	
Anthracene	<2.01	100	72.5	73	70.0	70	27-133	4	30	ug/L	03/13/13 13:02	
Benzo(a)anthracene	<1.90	100	90.9	91	88.0	88	33-143	3	30	ug/L	03/13/13 13:02	
Benzo(a)pyrene	<1.80	100	71.8	72	71.9	72	17-163	0	30	ug/L	03/13/13 13:02	
Benzo(b)fluoranthene	<1.97	100	78.1	78	85.2	85	24-159	9	30	ug/L	03/13/13 13:02	
Benzo(g,h,i)perylene	<1.97	100	70.6	71	71.0	71	10-219	1	30	ug/L	03/13/13 13:02	
Benzo(k)fluoranthene	<2.71	100	76.9	77	70.4	70	11-162	9	30	ug/L	03/13/13 13:02	
Benzoic acid	<2.21	100	75.4	75	79.8	80	1-125	6	30	ug/L	03/13/13 13:02	
Benzyl alcohol	<1.23	100	70.2	70	73.5	74	30-110	5	30	ug/L	03/13/13 13:02	
Bis(2-chloroethoxy) methane	<1.25	100	83.4	83	78.1	78	33-184	7	30	ug/L	03/13/13 13:02	
Bis(2-chloroethyl) ether	<1.78	100	71.3	71	74.0	74	12-158	4	30	ug/L	03/13/13 13:02	
Bis(2-chloroisopropyl) ether	<1.24	100	77.4	77	79.4	79	36-166	3	30	ug/L	03/13/13 13:02	
Bis(2-ethylhexyl) phthalate	<1.20	100	70.2	70	82.4	82	8-158	16	30	ug/L	03/13/13 13:02	
Butyl benzyl phthalate	<1.82	100	74.9	75	74.3	74	10-152	1	30	ug/L	03/13/13 13:02	
Chrysene	<2.09	100	72.6	73	73.0	73	17-168	1	30	ug/L	03/13/13 13:02	
Dibenz(a,h)anthracene	<1.83	100	70.8	71	71.5	72	10-227	1	30	ug/L	03/13/13 13:02	
Dibenzofuran	<1.64	100	77.6	78	75.2	75	55-105	3	30	ug/L	03/13/13 13:02	
Diethyl phthalate	<1.90	100	73.1	73	71.5	72	10-114	2	30	ug/L	03/13/13 13:02	
Dimethyl phthalate	<1.97	100	74.6	75	73.7	74	10-112	1	30	ug/L	03/13/13 13:02	
Di-n-butyl phthalate	<2.08	100	70.8	71	71.0	71	1-118	0	30	ug/L	03/13/13 13:02	
Di-n-octyl phthalate	<1.38	100	70.3	70	70.9	71	4-146	1	30	ug/L	03/13/13 13:02	
Fluoranthene	<1.81	100	76.8	77	75.6	76	26-137	2	30	ug/L	03/13/13 13:02	
Fluorene	<1.56	100	73.5	74	72.6	73	59-121	1	30	ug/L	03/13/13 13:02	
Hexachlorobenzene	<2.21	100	73.8	74	72.8	73	10-152	1	30	ug/L	03/13/13 13:02	
Hexachlorobutadiene	<1.78	100	69.0	69	69.6	70	24-116	1	30	ug/L	03/13/13 13:02	
Hexachlorocyclopentadiene	<1.87	100	74.8	75	74.1	74	70-130	1	30	ug/L	03/13/13 13:02	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: SW3510C
Seq Number: 908927 Matrix: Water Date Prep: 03/11/2013
MB Sample Id: 635024-1-BLK LCS Sample Id: 635024-1-BKS LCSD Sample Id: 635024-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Hexachloroethane	<2.38	100	74.4	74	78.6	79	40-113	5	30	ug/L	03/13/13 13:02	
Indeno(1,2,3-c,d)pyrene	<1.87	100	72.6	73	80.4	80	10-171	10	30	ug/L	03/13/13 13:02	
Isophorone	<1.41	100	70.4	70	72.4	72	21-196	3	30	ug/L	03/13/13 13:02	
Naphthalene	<1.52	100	70.3	70	70.1	70	21-133	0	30	ug/L	03/13/13 13:02	
Nitrobenzene	<1.49	100	65.5	66	78.7	79	35-180	18	30	ug/L	03/13/13 13:02	
N-Nitrosodi-n-propylamine	<1.36	100	71.3	71	72.3	72	10-230	1	30	ug/L	03/13/13 13:02	
N-Nitrosodiphenylamine	<2.50	100	73.1	73	75.6	76	50-110	3	30	ug/L	03/13/13 13:02	
Pentachlorophenol	<2.26	100	71.4	71	72.0	72	14-176	1	30	ug/L	03/13/13 13:02	
Phenanthrene	<2.04	100	73.3	73	69.9	70	54-120	5	30	ug/L	03/13/13 13:02	
Phenol	<1.76	100	75.0	75	76.8	77	5-112	2	30	ug/L	03/13/13 13:02	
Pyrene	<2.40	100	69.6	70	74.3	74	52-115	7	30	ug/L	03/13/13 13:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,4,6-Tribromophenol	0	**	0	**	0	**	32-129	%	03/13/13 13:02
2-Fluorobiphenyl	73		74		80		39-99	%	03/13/13 13:02
2-Fluorophenol	0	**	0	**	0	**	33-92	%	03/13/13 13:02
Nitrobenzene-d5	57		67		71		37-94	%	03/13/13 13:02
Phenol-d5	0	**	0	**	0	**	28-88	%	03/13/13 13:02
Terphenyl-D14	77		76		73		18-133	%	03/13/13 13:02

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: SW3510C
Seq Number: 908927 Matrix: Water Date Prep: 03/11/2013
MB Sample Id: 635024-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
1,2-Diphenylhydrazine (as Azobenzene)	U	ug/L	03/13/13 12:35	
1,3-Dinitrobenzene	U	ug/L	03/13/13 12:35	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550
Seq Number: 908960 Matrix: Solid Date Prep: 03/13/2013
MB Sample Id: 635089-1-BLK LCS Sample Id: 635089-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0590	3.33	2.23	67	52-104	mg/kg	03/14/13 00:04	
1,2-Dichlorobenzene	<0.0540	3.33	2.21	66	49-103	mg/kg	03/14/13 00:04	
1,2-Diphenylhydrazine	<0.0367	3.33	2.50	75	43-133	mg/kg	03/14/13 00:04	
1,3-Dichlorobenzene	<0.0527	3.33	2.09	63	48-101	mg/kg	03/14/13 00:04	
1,4-Dichlorobenzene	<0.0520	3.33	2.17	65	46-99	mg/kg	03/14/13 00:04	
2,4,6-Trichlorophenol	<0.0643	3.33	2.48	74	47-118	mg/kg	03/14/13 00:04	
2,4-Dichlorophenol	<0.0423	3.33	2.44	73	51-109	mg/kg	03/14/13 00:04	
2,4-Dimethylphenol	<0.0607	3.33	2.38	71	46-106	mg/kg	03/14/13 00:04	
2,4-Dinitrophenol	<0.0537	3.33	2.72	82	15-130	mg/kg	03/14/13 00:04	
2,4-Dinitrotoluene	<0.0537	3.33	2.81	84	53-125	mg/kg	03/14/13 00:04	
2,6-Dinitrotoluene	<0.0433	3.33	2.78	83	48-128	mg/kg	03/14/13 00:04	
2-Chloronaphthalene	<0.0607	3.33	2.44	73	54-109	mg/kg	03/14/13 00:04	
2-Chlorophenol	<0.0597	3.33	2.20	66	47-105	mg/kg	03/14/13 00:04	
2-Methylnaphthalene	<0.0510	3.33	2.17	65	45-102	mg/kg	03/14/13 00:04	
2-methylphenol	<0.0467	3.33	2.37	71	48-106	mg/kg	03/14/13 00:04	
2-Nitrophenol	<0.0420	3.33	2.39	72	38-118	mg/kg	03/14/13 00:04	
3&4-Methylphenol	<0.0987	6.67	5.24	79	40-105	mg/kg	03/14/13 00:04	
3,3-Dichlorobenzidine	<0.0487	3.33	2.12	64	14-139	mg/kg	03/14/13 00:04	
4,6-dinitro-2-methyl phenol	<0.0580	3.33	2.62	79	14-141	mg/kg	03/14/13 00:04	
4-Bromophenyl-phenylether	<0.0567	3.33	2.54	76	54-119	mg/kg	03/14/13 00:04	
4-chloro-3-methylphenol	<0.0477	3.33	2.42	73	45-115	mg/kg	03/14/13 00:04	
4-Chloroaniline	<0.0553	3.33	1.65	50	16-139	mg/kg	03/14/13 00:04	
4-Chlorophenyl Phenyl Ether	<0.0633	3.33	2.54	76	56-113	mg/kg	03/14/13 00:04	
4-Nitrophenol	<0.0410	3.33	1.99	60	35-122	mg/kg	03/14/13 00:04	
Acenaphthene	<0.0467	3.33	2.45	74	50-113	mg/kg	03/14/13 00:04	
Acenaphthylene	<0.0567	3.33	2.72	82	57-126	mg/kg	03/14/13 00:04	
Anthracene	<0.0493	3.33	2.58	77	60-116	mg/kg	03/14/13 00:04	
Benzo(a)anthracene	<0.0540	3.33	2.85	86	56-123	mg/kg	03/14/13 00:04	
Benzo(a)pyrene	<0.0490	3.33	2.59	78	58-101	mg/kg	03/14/13 00:04	
Benzo(b)fluoranthene	<0.0543	3.33	2.41	72	60-111	mg/kg	03/14/13 00:04	
Benzo(g,h,i)perylene	<0.0550	3.33	2.63	79	57-122	mg/kg	03/14/13 00:04	
Benzo(k)fluoranthene	<0.0573	3.33	2.81	84	59-116	mg/kg	03/14/13 00:04	
Benzoic Acid	<0.0527	3.33	1.87	56	50-125	mg/kg	03/14/13 00:04	
Benzyl Alcohol	<0.0533	3.33	2.24	67	45-107	mg/kg	03/14/13 00:04	
bis(2-chloroethoxy) methane	<0.0400	3.33	2.49	75	50-106	mg/kg	03/14/13 00:04	
bis(2-chloroethyl) ether	<0.0473	3.33	2.32	70	50-103	mg/kg	03/14/13 00:04	
bis(2-chloroisopropyl) ether	<0.0450	3.33	2.61	78	43-117	mg/kg	03/14/13 00:04	
bis(2-ethylhexyl) phthalate	<0.0540	3.33	2.60	78	46-137	mg/kg	03/14/13 00:04	
Butylbenzylphthalate	<0.0500	3.33	2.50	75	44-137	mg/kg	03/14/13 00:04	
Chrysene	<0.0443	3.33	2.64	79	57-114	mg/kg	03/14/13 00:04	
Dibenz(a,h)Anthracene	<0.0647	3.33	2.76	83	57-123	mg/kg	03/14/13 00:04	
Dibenzofuran	<0.0427	3.33	2.45	74	50-109	mg/kg	03/14/13 00:04	
Diethyl Phthalate	<0.0537	3.33	2.56	77	51-124	mg/kg	03/14/13 00:04	
Dimethyl Phthalate	<0.0503	3.33	2.59	78	53-116	mg/kg	03/14/13 00:04	
di-n-Butyl Phthalate	<0.0613	3.33	2.55	77	53-127	mg/kg	03/14/13 00:04	
di-n-Octyl Phthalate	<0.0553	3.33	2.55	77	46-133	mg/kg	03/14/13 00:04	
Fluoranthene	<0.0433	3.33	2.73	82	61-115	mg/kg	03/14/13 00:04	
Fluorene	<0.0407	3.33	2.58	77	55-114	mg/kg	03/14/13 00:04	
Hexachlorobenzene	<0.0557	3.33	2.41	72	54-121	mg/kg	03/14/13 00:04	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Seq Number: 908960 Matrix: Solid Date Prep: 03/13/2013

MB Sample Id: 635089-1-BLK LCS Sample Id: 635089-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Hexachlorobutadiene	<0.0370	3.33	2.12	64	50-110	mg/kg	03/14/13 00:04	
Hexachlorocyclopentadiene	<0.0573	3.33	3.77	113	60-144	mg/kg	03/14/13 00:04	
Hexachloroethane	<0.0517	3.33	2.22	67	42-109	mg/kg	03/14/13 00:04	
Indeno(1,2,3-c,d)Pyrene	<0.0607	3.33	2.64	79	58-127	mg/kg	03/14/13 00:04	
Isophorone	<0.0343	3.33	2.37	71	47-143	mg/kg	03/14/13 00:04	
Naphthalene	<0.0533	3.33	2.25	68	50-106	mg/kg	03/14/13 00:04	
Nitrobenzene	<0.0593	3.33	2.28	68	47-107	mg/kg	03/14/13 00:04	
N-Nitrosodi-n-Propylamine	<0.0477	3.33	2.72	82	43-125	mg/kg	03/14/13 00:04	
N-Nitrosodiphenylamine	<0.0700	3.33	2.68	80	54-127	mg/kg	03/14/13 00:04	
Pentachlorophenol	<0.0603	3.33	2.57	77	10-141	mg/kg	03/14/13 00:04	
Phenanthrene	<0.0553	3.33	2.58	77	59-112	mg/kg	03/14/13 00:04	
Phenol	<0.0467	3.33	2.18	65	45-108	mg/kg	03/14/13 00:04	
Pyrene	<0.0567	3.33	2.42	73	52-124	mg/kg	03/14/13 00:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	63		75		20-112	%	03/14/13 00:04
2-Fluorophenol	55		70		18-101	%	03/14/13 00:04
Nitrobenzene-d5	54		68		13-112	%	03/14/13 00:04
Phenol-d5	56		76		15-110	%	03/14/13 00:04
Terphenyl-D14	93		82		21-138	%	03/14/13 00:04
2,4,6-Tribromophenol	76		77		21-128	%	03/14/13 00:04

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Seq Number: 908960 Matrix: Soil Date Prep: 03/13/2013

Parent Sample Id: 458941-003 MS Sample Id: 458941-003 S MSD Sample Id: 458941-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0745	4.21	2.00	48	2.50	59	45-110	22	30	mg/kg	03/14/13 01:25	
1,2-Dichlorobenzene	<0.0682	4.21	1.81	43	2.37	56	45-100	27	30	mg/kg	03/14/13 01:25	X
1,2-Diphenylhydrazine	<0.0463	4.21	2.13	51	2.86	68	45-120	29	30	mg/kg	03/14/13 01:25	
1,3-Dichlorobenzene	<0.0665	4.21	1.69	40	2.28	54	40-100	30	30	mg/kg	03/14/13 01:25	
1,4-Dichlorobenzene	<0.0657	4.21	1.71	41	2.32	55	35-105	30	30	mg/kg	03/14/13 01:25	
2,4,6-Trichlorophenol	<0.0812	4.21	2.17	52	2.70	64	45-110	22	30	mg/kg	03/14/13 01:25	
2,4-Dichlorophenol	<0.0535	4.21	2.16	51	2.69	64	45-110	22	30	mg/kg	03/14/13 01:25	
2,4-Dimethylphenol	<0.0766	4.21	2.02	48	2.57	61	30-105	24	30	mg/kg	03/14/13 01:25	
2,4-Dinitrophenol	<0.0678	4.21	2.72	65	3.36	80	15-130	21	30	mg/kg	03/14/13 01:25	
2,4-Dinitrotoluene	<0.0678	4.21	2.31	55	2.96	70	50-115	25	30	mg/kg	03/14/13 01:25	
2,6-Dinitrotoluene	<0.0547	4.21	2.28	54	2.92	69	50-110	25	30	mg/kg	03/14/13 01:25	
2-Chloronaphthalene	<0.0766	4.21	2.16	51	2.65	63	45-105	20	30	mg/kg	03/14/13 01:25	
2-Chlorophenol	<0.0754	4.21	1.73	41	2.46	58	45-105	35	30	mg/kg	03/14/13 01:25	XF
2-Methylnaphthalene	0.645	4.21	1.90	30	2.41	42	45-105	24	30	mg/kg	03/14/13 01:25	X
2-methylphenol	<0.0589	4.21	1.83	43	2.55	61	40-105	33	30	mg/kg	03/14/13 01:25	F
2-Nitrophenol	<0.0530	4.21	2.04	48	2.66	63	40-110	26	30	mg/kg	03/14/13 01:25	
3&4-Methylphenol	<0.125	8.42	4.04	48	5.36	64	40-105	28	30	mg/kg	03/14/13 01:25	
3,3-Dichlorobenzidine	<0.0615	4.21	1.61	38	2.12	50	20-140	27	30	mg/kg	03/14/13 01:25	
4,6-dinitro-2-methyl phenol	<0.0732	4.21	2.40	57	3.10	74	30-135	25	30	mg/kg	03/14/13 01:25	
4-Bromophenyl-phenylether	<0.0716	4.21	2.14	51	2.85	68	45-115	28	30	mg/kg	03/14/13 01:25	
4-chloro-3-methylphenol	<0.0602	4.21	2.05	49	2.68	64	45-115	27	30	mg/kg	03/14/13 01:25	
4-Chloroaniline	<0.0699	4.21	1.55	37	1.86	44	4-149	18	30	mg/kg	03/14/13 01:25	
4-Chlorophenyl Phenyl Ether	<0.0800	4.21	2.10	50	2.65	63	45-110	23	30	mg/kg	03/14/13 01:25	
4-Nitrophenol	<0.0518	4.21	2.02	48	2.38	57	15-140	16	30	mg/kg	03/14/13 01:25	
Acenaphthene	<0.0589	4.21	2.10	50	2.69	64	45-110	25	30	mg/kg	03/14/13 01:25	
Acenaphthylene	<0.0716	4.21	2.27	54	2.91	69	45-105	25	30	mg/kg	03/14/13 01:25	
Anthracene	<0.0623	4.21	2.05	49	2.81	67	55-105	31	30	mg/kg	03/14/13 01:25	XF
Benzo(a)anthracene	<0.0682	4.21	2.31	55	3.06	73	50-110	28	30	mg/kg	03/14/13 01:25	
Benzo(a)pyrene	<0.0619	4.21	2.07	49	2.75	65	50-110	28	30	mg/kg	03/14/13 01:25	X
Benzo(b)fluoranthene	<0.0686	4.21	1.97	47	2.33	55	45-115	17	30	mg/kg	03/14/13 01:25	
Benzo(g,h,i)perylene	<0.0695	4.21	2.12	50	2.79	66	40-125	27	30	mg/kg	03/14/13 01:25	
Benzo(k)fluoranthene	<0.0724	4.21	2.51	60	2.89	69	45-125	14	30	mg/kg	03/14/13 01:25	
Benzoic Acid	<0.0665	4.21	2.15	51	2.53	60	50-125	16	30	mg/kg	03/14/13 01:25	
Benzyl Alcohol	<0.0674	4.21	1.68	40	2.40	57	20-125	35	30	mg/kg	03/14/13 01:25	F
bis(2-chloroethoxy) methane	<0.0505	4.21	2.15	51	2.75	65	45-110	24	30	mg/kg	03/14/13 01:25	
bis(2-chloroethyl) ether	<0.0598	4.21	1.83	43	2.54	60	40-105	32	30	mg/kg	03/14/13 01:25	F
bis(2-chloroisopropyl) ether	<0.0568	4.21	2.07	49	2.87	68	20-115	32	30	mg/kg	03/14/13 01:25	F
bis(2-ethylhexyl) phthalate	<0.0682	4.21	2.24	53	3.06	73	45-125	31	30	mg/kg	03/14/13 01:25	F
Butylbenzylphthalate	<0.0631	4.21	2.18	52	2.94	70	50-125	30	30	mg/kg	03/14/13 01:25	
Chrysene	<0.0560	4.21	2.19	52	2.89	69	55-110	28	30	mg/kg	03/14/13 01:25	X
Dibenz(a,h)Anthracene	<0.0817	4.21	2.20	52	2.96	70	40-125	29	30	mg/kg	03/14/13 01:25	
Dibenzofuran	<0.0539	4.21	2.08	49	2.63	62	50-105	23	30	mg/kg	03/14/13 01:25	X
Diethyl Phthalate	<0.0678	4.21	2.20	52	2.71	64	50-115	21	30	mg/kg	03/14/13 01:25	
Dimethyl Phthalate	<0.0636	4.21	2.22	53	2.80	67	50-110	23	30	mg/kg	03/14/13 01:25	
di-n-Butyl Phthalate	<0.0775	4.21	2.10	50	2.97	71	55-110	34	30	mg/kg	03/14/13 01:25	XF
di-n-Octyl Phthalate	<0.0699	4.21	2.25	53	2.94	70	40-130	27	30	mg/kg	03/14/13 01:25	
Fluoranthene	<0.0547	4.21	2.14	51	2.88	68	55-115	29	30	mg/kg	03/14/13 01:25	X
Fluorene	<0.0514	4.21	2.11	50	2.76	66	50-110	27	30	mg/kg	03/14/13 01:25	
Hexachlorobenzene	<0.0703	4.21	2.09	50	2.76	66	45-120	28	30	mg/kg	03/14/13 01:25	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550
Seq Number: 908960 Matrix: Soil Date Prep: 03/13/2013
Parent Sample Id: 458941-003 MS Sample Id: 458941-003 S MSD Sample Id: 458941-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Hexachlorobutadiene	<0.0467	4.21	1.93	46	2.34	56	40-115	19	30	mg/kg	03/14/13 01:25	
Hexachlorocyclopentadiene	<0.0724	4.21	3.20	76	4.19	100	65-135	27	30	mg/kg	03/14/13 01:25	
Hexachloroethane	<0.0652	4.21	1.85	44	2.35	56	35-110	24	30	mg/kg	03/14/13 01:25	
Indeno(1,2,3-c,d)Pyrene	<0.0766	4.21	2.10	50	2.83	67	40-120	30	30	mg/kg	03/14/13 01:25	
Isophorone	<0.0434	4.21	1.98	47	2.57	61	45-110	26	30	mg/kg	03/14/13 01:25	
Naphthalene	1.01	4.21	1.95	22	2.50	35	40-105	25	30	mg/kg	03/14/13 01:25	X
Nitrobenzene	<0.0749	4.21	2.03	48	2.44	58	40-115	18	30	mg/kg	03/14/13 01:25	
N-Nitrosodi-n-Propylamine	<0.0602	4.21	2.12	50	2.95	70	40-115	33	30	mg/kg	03/14/13 01:25	F
N-Nitrosodiphenylamine	<0.0884	4.21	2.20	52	2.95	70	50-115	29	30	mg/kg	03/14/13 01:25	
Pentachlorophenol	<0.0762	4.21	2.19	52	3.05	72	25-120	33	30	mg/kg	03/14/13 01:25	F
Phenanthrene	<0.0699	4.21	2.07	49	2.82	67	50-110	31	30	mg/kg	03/14/13 01:25	XF
Phenol	<0.0589	4.21	1.85	44	2.61	62	40-100	34	30	mg/kg	03/14/13 01:25	F
Pyrene	<0.0716	4.21	2.07	49	2.78	66	45-125	29	30	mg/kg	03/14/13 01:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	50		63		20-112	%	03/14/13 01:25
2-Fluorophenol	53		56		18-101	%	03/14/13 01:25
Nitrobenzene-d5	65		61		13-112	%	03/14/13 01:25
Phenol-d5	51		61		15-110	%	03/14/13 01:25
Terphenyl-D14	59		77		21-138	%	03/14/13 01:25
2,4,6-Tribromophenol	49		66		21-128	%	03/14/13 01:25

Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B
Seq Number: 908874 Matrix: Water Date Prep: 03/12/2013
MB Sample Id: 635025-1-BLK LCS Sample Id: 635025-1-BKS LCSD Sample Id: 635025-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics (Unadj.)	<15.0	150	128	85	134	89	70-130	5	25	ug/L	03/12/13 10:53	
C9-C10 Aromatics (Unadj.)	<5.00	50.0	43.0	86	39.0	78	70-130	10	25	ug/L	03/12/13 10:53	
C9-C12 Aliphatics (Unadj.)	<15.0	150	151	101	143	95	70-130	5	25	ug/L	03/12/13 10:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	75		125		100		70-130	%	03/12/13 10:53
2,5-Dibromotoluene (PID)	75		125		100		70-130	%	03/12/13 10:53

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B

Seq Number: 908874 Matrix: Water Date Prep: 03/12/2013

Parent Sample Id: 458941-004 MS Sample Id: 458941-004 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
C5-C8 Aliphatics (Unadj.)	<15.0	150	139	93	70-130	ug/L	03/12/13 17:31	
C9-C10 Aromatics (Unadj.)	<5.00	50.0	37.0	74	70-130	ug/L	03/12/13 17:31	
C9-C12 Aliphatics (Unadj.)	<15.0	150	141	94	70-130	ug/L	03/12/13 17:31	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	75		70-130	%	03/12/13 17:31
2,5-Dibromotoluene (PID)	75		70-130	%	03/12/13 17:31

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

MB Sample Id: 634859-1-BLK LCS Sample Id: 634859-1-BKS LCSD Sample Id: 634859-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0760	25.0	25.7	103	27.9	112	82-129	8	20	ug/L	03/09/13 13:25	
1,1,2,2-Tetrachloroethane	<0.0700	25.0	24.8	99	24.7	99	73-129	0	20	ug/L	03/09/13 13:25	
1,1,2-Trichloroethane	<0.113	25.0	25.4	102	25.4	102	78-126	0	20	ug/L	03/09/13 13:25	
1,1-Dichloroethane	<0.121	25.0	24.4	98	25.0	100	76-131	2	20	ug/L	03/09/13 13:25	
1,1-Dichloroethene	<0.104	25.0	26.5	106	26.9	108	81-132	1	22	ug/L	03/09/13 13:25	
1,1-Dichloropropene	<0.0600	25.0	24.9	100	26.3	105	83-134	5	20	ug/L	03/09/13 13:25	
1,2,3-Trichlorobenzene	<0.118	25.0	24.3	97	26.4	106	69-148	8	20	ug/L	03/09/13 13:25	
1,2,3-Trichloropropane	<0.138	25.0	26.7	107	26.7	107	75-124	0	20	ug/L	03/09/13 13:25	
1,2,4-Trichlorobenzene	<0.0690	25.0	25.6	102	25.7	103	77-140	0	20	ug/L	03/09/13 13:25	
1,2,4-Trimethylbenzene	<0.103	25.0	25.0	100	26.0	104	85-123	4	20	ug/L	03/09/13 13:25	
1,2-Dibromoethane (EDB)	<0.180	25.0	26.0	104	27.0	108	80-130	4	20	ug/L	03/09/13 13:25	
1,2-Dichlorobenzene	<0.0940	25.0	25.1	100	25.7	103	87-122	2	20	ug/L	03/09/13 13:25	
1,2-Dichloroethane	<0.0900	25.0	24.3	97	25.5	102	70-127	5	20	ug/L	03/09/13 13:25	
1,2-Dichloropropane	<0.122	25.0	26.7	107	26.7	107	73-140	0	20	ug/L	03/09/13 13:25	
1,3,5-Trimethylbenzene	<0.0870	25.0	25.4	102	25.9	104	83-129	2	20	ug/L	03/09/13 13:25	
1,3-Dichlorobenzene	<0.0980	25.0	23.5	94	24.7	99	88-120	5	20	ug/L	03/09/13 13:25	
1,3-Dichloropropane	<0.133	25.0	26.1	104	26.1	104	77-127	0	20	ug/L	03/09/13 13:25	
1,4-Dichlorobenzene	<0.0670	25.0	24.2	97	24.4	98	86-116	1	20	ug/L	03/09/13 13:25	
2,2-Dichloropropane	<0.0970	25.0	25.5	102	26.2	105	86-141	3	20	ug/L	03/09/13 13:25	
2-Butanone (MEK)	<0.378	50.0	44.3	89	50.5	101	53-149	13	20	ug/L	03/09/13 13:25	
2-Chlorotoluene	<0.0880	25.0	24.7	99	25.0	100	84-126	1	20	ug/L	03/09/13 13:25	
2-Hexanone	<0.352	50.0	58.7	117	57.9	116	68-140	1	20	ug/L	03/09/13 13:25	
4-Chlorotoluene	<0.0900	25.0	25.4	102	25.8	103	85-125	2	20	ug/L	03/09/13 13:25	
4-Isopropyltoluene	<0.0890	25.0	25.4	102	25.7	103	83-132	1	20	ug/L	03/09/13 13:25	
4-Methyl-2-pentanone (MIBK)	<0.253	50.0	49.4	99	49.5	99	66-135	0	20	ug/L	03/09/13 13:25	
Acetone	<0.352	50.0	43.3	87	43.2	86	58-168	0	21	ug/L	03/09/13 13:25	
Benzene	<0.119	25.0	25.1	100	25.4	102	78-136	1	20	ug/L	03/09/13 13:25	
Bromobenzene	<0.132	25.0	24.5	98	24.6	98	80-121	0	20	ug/L	03/09/13 13:25	
Bromochloromethane	<0.112	25.0	24.7	99	24.1	96	81-127	2	20	ug/L	03/09/13 13:25	
Bromodichloromethane	<0.124	25.0	27.1	108	27.1	108	89-128	0	20	ug/L	03/09/13 13:25	
Bromoform	<0.159	25.0	27.2	109	28.8	115	74-114	6	20	ug/L	03/09/13 13:25	H
Bromomethane	<0.0970	25.0	26.8	107	26.4	106	80-132	2	20	ug/L	03/09/13 13:25	
Carbon tetrachloride	<0.0990	25.0	28.6	114	30.2	121	78-140	5	20	ug/L	03/09/13 13:25	
Chlorobenzene	<0.105	25.0	24.1	96	25.2	101	86-118	4	20	ug/L	03/09/13 13:25	
Chlorodibromomethane	<0.177	25.0	26.7	107	28.3	113	82-131	6	20	ug/L	03/09/13 13:25	
Chloroethane	<0.0420	25.0	24.8	99	24.9	100	71-132	0	20	ug/L	03/09/13 13:25	
Chloroform	<0.172	25.0	24.4	98	25.4	102	79-126	4	20	ug/L	03/09/13 13:25	
Chloromethane	<0.0850	25.0	23.6	94	22.4	90	69-135	5	20	ug/L	03/09/13 13:25	
cis-1,2-Dichloroethene	<0.114	25.0	25.6	102	26.0	104	79-133	2	20	ug/L	03/09/13 13:25	
cis-1,3-Dichloropropene	<0.100	25.0	28.6	114	29.3	117	75-138	2	20	ug/L	03/09/13 13:25	
Dichlorodifluoromethane	<0.0670	25.0	25.5	102	26.5	106	57-142	4	20	ug/L	03/09/13 13:25	
Ethanol	<3.00	1000	940	94	917	92	70-130	2	20	ug/L	03/09/13 13:25	
Ethylbenzene	<0.0920	25.0	26.0	104	26.5	106	84-124	2	20	ug/L	03/09/13 13:25	
Isopropyl ether	<0.0920	25.0	25.6	102	25.8	103	61-146	1	20	ug/L	03/09/13 13:25	
Isopropylbenzene	<0.0980	25.0	26.2	105	26.2	105	84-131	0	20	ug/L	03/09/13 13:25	
Methyl tert-butyl ether (MTBE)	<0.169	50.0	50.8	102	51.4	103	55-145	1	20	ug/L	03/09/13 13:25	
Methylene Chloride	<0.190	25.0	23.4	94	25.3	101	74-131	8	20	ug/L	03/09/13 13:25	
Naphthalene	<0.0940	25.0	27.0	108	27.0	108	74-144	0	20	ug/L	03/09/13 13:25	
n-Butylbenzene	<0.0600	25.0	25.7	103	26.8	107	80-134	4	20	ug/L	03/09/13 13:25	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

MB Sample Id: 634859-1-BLK LCS Sample Id: 634859-1-BKS LCSD Sample Id: 634859-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Propylbenzene	<0.0650	25.0	25.5	102	26.1	104	82-129	2	20	ug/L	03/09/13 13:25	
sec-Butylbenzene	<0.0920	25.0	24.3	97	25.3	101	80-131	4	20	ug/L	03/09/13 13:25	
Styrene	<0.0740	25.0	27.1	108	26.6	106	88-123	2	20	ug/L	03/09/13 13:25	
tert-Butylbenzene	<0.0890	25.0	25.3	101	26.2	105	83-134	3	20	ug/L	03/09/13 13:25	
Tetrachloroethene (PCE)	<0.0540	25.0	24.9	100	26.2	105	83-126	5	20	ug/L	03/09/13 13:25	
Toluene	<0.0570	25.0	24.9	100	25.8	103	87-121	4	20	ug/L	03/09/13 13:25	
trans-1,2-Dichloroethene	<0.188	25.0	25.1	100	24.7	99	81-135	2	20	ug/L	03/09/13 13:25	
trans-1,3-Dichloropropene	<0.110	25.0	29.1	116	29.3	117	75-117	1	20	ug/L	03/09/13 13:25	
Trichloroethene	<0.139	25.0	25.6	102	26.6	106	84-125	4	20	ug/L	03/09/13 13:25	
Trichlorofluoromethane	<0.0540	25.0	23.7	95	24.4	98	65-143	3	20	ug/L	03/09/13 13:25	
Vinyl Acetate	<0.720	25.0	26.5	106	26.1	104	47-154	2	20	ug/L	03/09/13 13:25	
Vinyl Chloride	<0.0810	25.0	27.4	110	30.3	121	75-132	10	20	ug/L	03/09/13 13:25	
m,p-Xylenes	<0.176	50.0	50.0	100	52.0	104	85-127	4	20	ug/L	03/09/13 13:25	
o-Xylene	<0.122	25.0	25.2	101	26.2	105	86-124	4	20	ug/L	03/09/13 13:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	101		94		97		53-159	%	03/09/13 13:25
4-Bromofluorobenzene	100		103		101		30-186	%	03/09/13 13:25
Toluene-D8	100		104		102		70-130	%	03/09/13 13:25

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013
Parent Sample Id: 458941-006 MD Sample Id: 458941-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0760	<0.0760	0	20	ug/L	03/09/13 18:23	U
1,1,2,2-Tetrachloroethane	<0.0700	<0.0700	0	20	ug/L	03/09/13 18:23	U
1,1,2-Trichloroethane	<0.113	<0.113	0	20	ug/L	03/09/13 18:23	U
1,1-Dichloroethane	<0.121	<0.121	0	20	ug/L	03/09/13 18:23	U
1,1-Dichloroethene	<0.104	<0.104	0	22	ug/L	03/09/13 18:23	U
1,1-Dichloropropene	<0.0600	<0.0600	0	20	ug/L	03/09/13 18:23	U
1,2,3-Trichlorobenzene	<0.118	<0.118	0	20	ug/L	03/09/13 18:23	U
1,2,3-Trichloropropane	<0.138	<0.138	0	20	ug/L	03/09/13 18:23	U
1,2,4-Trichlorobenzene	<0.0690	<0.0690	0	20	ug/L	03/09/13 18:23	U
1,2,4-Trimethylbenzene	<0.103	<0.103	0	20	ug/L	03/09/13 18:23	U
1,2-Dibromoethane (EDB)	<0.180	<0.180	0	20	ug/L	03/09/13 18:23	U
1,2-Dichlorobenzene	<0.0940	<0.0940	0	20	ug/L	03/09/13 18:23	U
1,2-Dichloroethane	<0.0900	<0.0900	0	20	ug/L	03/09/13 18:23	U
1,2-Dichloropropane	<0.122	<0.122	0	20	ug/L	03/09/13 18:23	U
1,3,5-Trimethylbenzene	<0.0870	<0.0870	0	20	ug/L	03/09/13 18:23	U
1,3-Dichlorobenzene	<0.0980	<0.0980	0	20	ug/L	03/09/13 18:23	U
1,3-Dichloropropane	<0.133	<0.133	0	20	ug/L	03/09/13 18:23	U
1,4-Dichlorobenzene	<0.0670	<0.0670	0	20	ug/L	03/09/13 18:23	U
2,2-Dichloropropane	<0.0970	<0.0970	0	20	ug/L	03/09/13 18:23	U
2-Butanone (MEK)	<0.378	<0.378	0	20	ug/L	03/09/13 18:23	U
2-Chlorotoluene	<0.0880	<0.0880	0	20	ug/L	03/09/13 18:23	U
2-Hexanone	<0.352	<0.352	0	20	ug/L	03/09/13 18:23	U
4-Chlorotoluene	<0.0900	<0.0900	0	20	ug/L	03/09/13 18:23	U
4-Isopropyltoluene	<0.0890	<0.0890	0	20	ug/L	03/09/13 18:23	U
4-Methyl-2-pentanone (MIBK)	<0.253	<0.253	0	20	ug/L	03/09/13 18:23	U
Acetone	<0.352	<0.352	0	21	ug/L	03/09/13 18:23	U
Benzene	<0.119	<0.119	0	20	ug/L	03/09/13 18:23	U
Bromobenzene	<0.132	<0.132	0	20	ug/L	03/09/13 18:23	U
Bromochloromethane	<0.112	<0.112	0	20	ug/L	03/09/13 18:23	U
Bromodichloromethane	<0.124	<0.124	0	20	ug/L	03/09/13 18:23	U
Bromoform	<0.159	<0.159	0	20	ug/L	03/09/13 18:23	U
Bromomethane	<0.0970	<0.0970	0	20	ug/L	03/09/13 18:23	U
Carbon tetrachloride	<0.0990	<0.0990	0	20	ug/L	03/09/13 18:23	U
Chlorobenzene	<0.105	<0.105	0	20	ug/L	03/09/13 18:23	U
Chlorodibromomethane	<0.177	<0.177	0	20	ug/L	03/09/13 18:23	U
Chloroethane	<0.0420	<0.0420	0	20	ug/L	03/09/13 18:23	U
Chloroform	4.60	4.82	5	20	ug/L	03/09/13 18:23	
Chloromethane	<0.0850	<0.0850	0	20	ug/L	03/09/13 18:23	U
cis-1,2-Dichloroethene	<0.114	<0.114	0	20	ug/L	03/09/13 18:23	U
cis-1,3-Dichloropropene	<0.100	<0.100	0	20	ug/L	03/09/13 18:23	U
Dichlorodifluoromethane	<0.0670	<0.0670	0	20	ug/L	03/09/13 18:23	U
Ethanol	<3.00	<3.00	0	20	ug/L	03/09/13 18:23	U
Ethylbenzene	<0.0920	<0.0920	0	20	ug/L	03/09/13 18:23	U
Isopropyl ether	<0.0920	<0.0920	0	20	ug/L	03/09/13 18:23	U
Isopropylbenzene	<0.0980	<0.0980	0	20	ug/L	03/09/13 18:23	U
Methyl tert-butyl ether (MTBE)	<0.169	<0.169	0	20	ug/L	03/09/13 18:23	U
Methylene Chloride	<0.190	<0.190	0	20	ug/L	03/09/13 18:23	U
Naphthalene	<0.0940	<0.0940	0	20	ug/L	03/09/13 18:23	U
n-Butylbenzene	<0.0600	<0.0600	0	20	ug/L	03/09/13 18:23	U

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

Parent Sample Id: 458941-006 MD Sample Id: 458941-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Propylbenzene	<0.0650	<0.0650	0	20	ug/L	03/09/13 18:23	U
sec-Butylbenzene	<0.0920	<0.0920	0	20	ug/L	03/09/13 18:23	U
Styrene	<0.0740	<0.0740	0	20	ug/L	03/09/13 18:23	U
tert-Butylbenzene	<0.0890	<0.0890	0	20	ug/L	03/09/13 18:23	U
Tetrachloroethene (PCE)	<0.0540	<0.0540	0	20	ug/L	03/09/13 18:23	U
Toluene	<0.0570	<0.0570	0	20	ug/L	03/09/13 18:23	U
trans-1,2-Dichloroethene	<0.188	<0.188	0	20	ug/L	03/09/13 18:23	U
trans-1,3-Dichloropropene	<0.110	<0.110	0	20	ug/L	03/09/13 18:23	U
Trichloroethene	<0.139	<0.139	0	20	ug/L	03/09/13 18:23	U
Trichlorofluoromethane	<0.0540	<0.0540	0	20	ug/L	03/09/13 18:23	U
Vinyl Acetate	<0.720	<0.720	0	20	ug/L	03/09/13 18:23	U
Vinyl Chloride	<0.0810	<0.0810	0	20	ug/L	03/09/13 18:23	U
m,p-Xylenes	<0.176	<0.176	0	20	ug/L	03/09/13 18:23	U
o-Xylene	<0.122	<0.122	0	20	ug/L	03/09/13 18:23	U

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013
Parent Sample Id: 458941-006 MS Sample Id: 458941-006 S MSD Sample Id: 458941-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0760	25.0	22.3	89	25.7	103	71-131	14	20	ug/L	03/09/13 21:42	
1,1,2,2-Tetrachloroethane	<0.0700	25.0	25.0	100	24.8	99	65-131	1	20	ug/L	03/09/13 21:42	
1,1,2-Trichloroethane	<0.113	25.0	25.0	100	26.2	105	68-128	5	20	ug/L	03/09/13 21:42	
1,1-Dichloroethane	<0.121	25.0	24.8	99	24.8	99	72-130	0	20	ug/L	03/09/13 21:42	
1,1-Dichloroethene	<0.104	25.0	25.9	104	25.6	102	56-139	1	22	ug/L	03/09/13 21:42	
1,1-Dichloropropene	<0.0600	25.0	25.0	100	25.9	104	77-119	4	20	ug/L	03/09/13 21:42	
1,2,3-Trichlorobenzene	<0.118	25.0	22.1	88	23.9	96	62-131	8	20	ug/L	03/09/13 21:42	
1,2,3-Trichloropropane	<0.138	25.0	27.9	112	27.5	110	60-136	1	20	ug/L	03/09/13 21:42	
1,2,4-Trichlorobenzene	<0.0690	25.0	22.4	90	24.3	97	67-130	8	20	ug/L	03/09/13 21:42	
1,2,4-Trimethylbenzene	<0.103	25.0	25.6	102	25.4	102	70-127	1	20	ug/L	03/09/13 21:42	
1,2-Dibromoethane (EDB)	<0.180	25.0	24.9	100	26.8	107	75-127	7	20	ug/L	03/09/13 21:42	
1,2-Dichlorobenzene	<0.0940	25.0	24.9	100	25.2	101	78-116	1	20	ug/L	03/09/13 21:42	
1,2-Dichloroethane	<0.0900	25.0	25.5	102	26.3	105	55-145	3	20	ug/L	03/09/13 21:42	
1,2-Dichloropropane	<0.122	25.0	26.3	105	26.3	105	75-118	0	20	ug/L	03/09/13 21:42	
1,3,5-Trimethylbenzene	<0.0870	25.0	26.1	104	25.5	102	73-122	2	20	ug/L	03/09/13 21:42	
1,3-Dichlorobenzene	<0.0980	25.0	23.4	94	23.7	95	77-116	1	20	ug/L	03/09/13 21:42	
1,3-Dichloropropane	<0.133	25.0	25.4	102	26.3	105	71-128	3	20	ug/L	03/09/13 21:42	
1,4-Dichlorobenzene	<0.0670	25.0	24.5	98	23.5	94	79-112	4	20	ug/L	03/09/13 21:42	
2,2-Dichloropropane	<0.0970	25.0	18.2	73	17.7	71	62-138	3	20	ug/L	03/09/13 21:42	
2-Butanone (MEK)	<0.378	50.0	56.9	114	53.3	107	34-167	7	20	ug/L	03/09/13 21:42	
2-Chlorotoluene	<0.0880	25.0	25.2	101	24.8	99	71-121	2	20	ug/L	03/09/13 21:42	
2-Hexanone	<0.352	50.0	60.0	120	62.0	124	46-152	3	20	ug/L	03/09/13 21:42	
4-Chlorotoluene	<0.0900	25.0	25.8	103	24.9	100	72-120	4	20	ug/L	03/09/13 21:42	
4-Isopropyltoluene	<0.0890	25.0	25.5	102	24.6	98	75-123	4	20	ug/L	03/09/13 21:42	
4-Methyl-2-pentanone (MIBK)	<0.253	50.0	51.9	104	55.3	111	53-155	6	20	ug/L	03/09/13 21:42	
Acetone	<0.352	50.0	49.3	99	51.8	104	70-130	5	21	ug/L	03/09/13 21:42	
Benzene	<0.119	25.0	24.8	99	26.1	104	64-135	5	20	ug/L	03/09/13 21:42	
Bromobenzene	<0.132	25.0	24.5	98	24.5	98	68-122	0	20	ug/L	03/09/13 21:42	
Bromochloromethane	<0.112	25.0	23.3	93	24.2	97	71-136	4	20	ug/L	03/09/13 21:42	
Bromodichloromethane	<0.124	25.0	26.4	106	27.9	112	71-135	6	20	ug/L	03/09/13 21:42	
Bromoform	<0.159	25.0	26.0	104	26.5	106	75-124	2	20	ug/L	03/09/13 21:42	
Bromomethane	<0.0970	25.0	23.6	94	26.0	104	46-151	10	20	ug/L	03/09/13 21:42	
Carbon tetrachloride	<0.0990	25.0	27.1	108	28.2	113	72-131	4	20	ug/L	03/09/13 21:42	
Chlorobenzene	<0.105	25.0	24.0	96	25.1	100	83-113	4	20	ug/L	03/09/13 21:42	
Chlorodibromomethane	<0.177	25.0	26.0	104	27.4	110	75-135	5	20	ug/L	03/09/13 21:42	
Chloroethane	<0.0420	25.0	23.0	92	23.2	93	42-159	1	20	ug/L	03/09/13 21:42	
Chloroform	4.60	25.0	24.3	79	25.5	84	72-126	5	20	ug/L	03/09/13 21:42	
Chloromethane	<0.0850	25.0	15.1	60	19.6	78	55-133	26	20	ug/L	03/09/13 21:42	F
cis-1,2-Dichloroethene	<0.114	25.0	27.2	109	26.0	104	75-128	5	20	ug/L	03/09/13 21:42	
cis-1,3-Dichloropropene	<0.100	25.0	26.1	104	27.6	110	12-95	6	20	ug/L	03/09/13 21:42	X
Dichlorodifluoromethane	<0.0670	25.0	24.2	97	27.9	112	43-147	14	20	ug/L	03/09/13 21:42	
Ethanol	<3.00	1000	977	98	976	98	42-166	0	20	ug/L	03/09/13 21:42	
Ethylbenzene	<0.0920	25.0	26.0	104	26.5	106	79-120	2	20	ug/L	03/09/13 21:42	
Isopropyl ether	<0.0920	25.0	26.5	106	26.6	106	59-141	0	20	ug/L	03/09/13 21:42	
Isopropylbenzene	<0.0980	25.0	26.9	108	25.8	103	73-121	4	20	ug/L	03/09/13 21:42	
Methyl tert-butyl ether (MTBE)	<0.169	50.0	50.6	101	51.5	103	24-173	2	20	ug/L	03/09/13 21:42	
Methylene Chloride	<0.190	25.0	26.0	104	24.3	97	51-144	7	20	ug/L	03/09/13 21:42	
Naphthalene	<0.0940	25.0	23.8	95	27.0	108	64-136	13	20	ug/L	03/09/13 21:42	
n-Butylbenzene	<0.0600	25.0	25.5	102	25.2	101	70-126	1	20	ug/L	03/09/13 21:42	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

Parent Sample Id: 458941-006 MS Sample Id: 458941-006 S MSD Sample Id: 458941-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Propylbenzene	<0.0650	25.0	26.1	104	25.6	102	72-121	2	20	ug/L	03/09/13 21:42	
sec-Butylbenzene	<0.0920	25.0	25.0	100	24.7	99	75-119	1	20	ug/L	03/09/13 21:42	
Styrene	<0.0740	25.0	26.1	104	27.5	110	80-123	5	20	ug/L	03/09/13 21:42	
tert-Butylbenzene	<0.0890	25.0	26.3	105	25.6	102	77-124	3	20	ug/L	03/09/13 21:42	
Tetrachloroethene (PCE)	<0.0540	25.0	25.7	103	27.7	111	72-118	7	20	ug/L	03/09/13 21:42	
Toluene	<0.0570	25.0	25.7	103	26.2	105	56-144	2	20	ug/L	03/09/13 21:42	
trans-1,2-Dichloroethene	<0.188	25.0	25.1	100	25.3	101	55-144	1	20	ug/L	03/09/13 21:42	
trans-1,3-Dichloropropene	<0.110	25.0	27.3	109	27.5	110	10-150	1	20	ug/L	03/09/13 21:42	
Trichloroethene	<0.139	25.0	25.2	101	26.8	107	72-116	6	20	ug/L	03/09/13 21:42	
Trichlorofluoromethane	<0.0540	25.0	21.1	84	23.8	95	48-152	12	20	ug/L	03/09/13 21:42	
Vinyl Acetate	<0.720	25.0	27.1	108	29.3	117	70-130	8	20	ug/L	03/09/13 21:42	
Vinyl Chloride	<0.0810	25.0	20.9	84	28.2	113	56-141	30	20	ug/L	03/09/13 21:42	F
m,p-Xylenes	<0.176	50.0	50.9	102	52.7	105	80-119	3	20	ug/L	03/09/13 21:42	
o-Xylene	<0.122	25.0	25.4	102	26.0	104	77-125	2	20	ug/L	03/09/13 21:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	98		100		53-159	%	03/09/13 21:42
4-Bromofluorobenzene	103		101		30-186	%	03/09/13 21:42
Toluene-D8	102		104		70-130	%	03/09/13 21:42

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 908641 Matrix: Solid Date Prep: 03/08/2013

MB Sample Id: 634869-1-BLK LCS Sample Id: 634869-1-BKS LCSD Sample Id: 634869-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.062	124	0.057	114	75-145	8	20	mg/kg	03/08/13 07:31	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.032	64	0.032	64	78-120	0	20	mg/kg	03/08/13 07:31	L
1,1,2-Trichloroethane	<0.00067	0.050	0.039	78	0.039	78	81-115	0	20	mg/kg	03/08/13 07:31	L
1,1-Dichloroethane	<0.00080	0.050	0.045	90	0.044	88	73-131	2	20	mg/kg	03/08/13 07:31	
1,1-Dichloroethene	<0.0012	0.050	0.052	104	0.049	98	67-144	6	20	mg/kg	03/08/13 07:31	
1,1-Dichloropropene	<0.00054	0.050	0.055	110	0.052	104	83-141	6	20	mg/kg	03/08/13 07:31	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.050	100	0.052	104	59-168	4	20	mg/kg	03/08/13 07:31	
1,2,3-Trichloropropane	<0.0016	0.050	0.049	98	0.048	96	73-129	2	20	mg/kg	03/08/13 07:31	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.053	106	0.055	110	61-170	4	20	mg/kg	03/08/13 07:31	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.045	90	0.044	88	73-145	2	20	mg/kg	03/08/13 07:31	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.045	90	0.045	90	81-121	0	20	mg/kg	03/08/13 07:31	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.048	96	70-146	0	20	mg/kg	03/08/13 07:31	
1,2-Dichloroethane	<0.00060	0.050	0.051	102	0.052	104	63-150	2	20	mg/kg	03/08/13 07:31	
1,2-Dichloropropane	<0.00093	0.050	0.042	84	0.041	82	76-121	2	20	mg/kg	03/08/13 07:31	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.048	96	0.046	92	69-152	4	20	mg/kg	03/08/13 07:31	
1,3-Dichlorobenzene	<0.0010	0.050	0.048	96	0.049	98	73-145	2	20	mg/kg	03/08/13 07:31	
1,3-Dichloropropane	<0.00069	0.050	0.041	82	0.041	82	82-117	0	20	mg/kg	03/08/13 07:31	
1,4-Dichlorobenzene	<0.00068	0.050	0.048	96	0.048	96	74-143	0	20	mg/kg	03/08/13 07:31	
2,2-Dichloropropane	<0.00060	0.050	0.059	118	0.056	112	67-153	5	20	mg/kg	03/08/13 07:31	
2-Butanone (MEK)	<0.0091	0.10	0.067	67	0.067	67	44-158	0	20	mg/kg	03/08/13 07:31	
2-Chlorotoluene	<0.00071	0.050	0.043	86	0.042	84	74-143	2	20	mg/kg	03/08/13 07:31	
2-Hexanone	<0.0011	0.10	0.066	66	0.066	66	59-154	0	20	mg/kg	03/08/13 07:31	
4-Chlorotoluene	<0.00055	0.050	0.046	92	0.046	92	76-140	0	20	mg/kg	03/08/13 07:31	
4-Isopropyltoluene	<0.00080	0.050	0.049	98	0.048	96	50-173	2	20	mg/kg	03/08/13 07:31	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.075	75	0.074	74	65-132	1	20	mg/kg	03/08/13 07:31	
Acetone	<0.0069	0.10	0.074	74	0.069	69	43-163	7	20	mg/kg	03/08/13 07:31	
Benzene	<0.00051	0.050	0.048	96	0.046	92	82-121	4	20	mg/kg	03/08/13 07:31	
Bromobenzene	<0.00085	0.050	0.038	76	0.038	76	83-120	0	20	mg/kg	03/08/13 07:31	L
Bromochloromethane	<0.0010	0.050	0.054	108	0.053	106	79-126	2	20	mg/kg	03/08/13 07:31	
Bromodichloromethane	<0.00050	0.050	0.054	108	0.053	106	80-135	2	20	mg/kg	03/08/13 07:31	
Bromoform	<0.00096	0.050	0.059	118	0.058	116	71-135	2	20	mg/kg	03/08/13 07:31	
Bromomethane	<0.0025	0.050	0.064	128	0.060	120	51-149	6	20	mg/kg	03/08/13 07:31	
Carbon tetrachloride	<0.00074	0.050	0.070	140	0.067	134	70-156	4	20	mg/kg	03/08/13 07:31	
Chlorobenzene	<0.00058	0.050	0.050	100	0.050	100	76-131	0	20	mg/kg	03/08/13 07:31	
Chlorodibromomethane	<0.00099	0.050	0.057	114	0.058	116	81-136	2	20	mg/kg	03/08/13 07:31	
Chloroethane	<0.0024	0.050	0.054	108	0.055	110	64-131	2	20	mg/kg	03/08/13 07:31	
Chloroform	<0.00074	0.050	0.051	102	0.049	98	78-125	4	20	mg/kg	03/08/13 07:31	
Chloromethane	<0.0023	0.050	0.040	80	0.038	76	59-127	5	20	mg/kg	03/08/13 07:31	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.047	94	80-123	2	20	mg/kg	03/08/13 07:31	
cis-1,3-Dichloropropene	<0.00054	0.050	0.051	102	0.051	102	87-123	0	20	mg/kg	03/08/13 07:31	
Dichlorodifluoromethane	<0.0012	0.050	0.053	106	0.050	100	33-161	6	20	mg/kg	03/08/13 07:31	
Ethanol	<0.028	2.0	1.2	60	1.2	60	56-147	0	20	mg/kg	03/08/13 07:31	
Ethylbenzene	<0.00057	0.050	0.049	98	0.048	96	84-129	2	20	mg/kg	03/08/13 07:31	
Isopropyl Ether	<0.0013	0.050	0.038	76	0.037	74	74-125	3	20	mg/kg	03/08/13 07:31	
Isopropylbenzene	<0.00076	0.050	0.047	94	0.045	90	65-153	4	20	mg/kg	03/08/13 07:31	
m,p-Xylenes	<0.00121	0.100	0.102	102	0.100	100	75-141	2	20	mg/kg	03/08/13 07:31	
Methyl tert-butyl ether	<0.00069	0.10	0.093	93	0.092	92	70-131	1	20	mg/kg	03/08/13 07:31	
Methylene chloride	<0.0022	0.050	0.042	84	0.042	84	65-137	0	20	mg/kg	03/08/13 07:31	
Naphthalene	<0.0013	0.050	0.041	82	0.044	88	68-151	7	20	mg/kg	03/08/13 07:31	

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 908641 Matrix: Solid Date Prep: 03/08/2013

MB Sample Id: 634869-1-BLK LCS Sample Id: 634869-1-BKS LCSD Sample Id: 634869-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.00088	0.050	0.046	92	0.044	88	43-199	4	20	mg/kg	03/08/13 07:31	
n-Propylbenzene	<0.00078	0.050	0.045	90	0.043	86	60-161	5	20	mg/kg	03/08/13 07:31	
o-Xylene	<0.000716	0.0500	0.0512	102	0.0502	100	73-141	2	20	mg/kg	03/08/13 07:31	
sec-Butylbenzene	<0.00066	0.050	0.048	96	0.046	92	44-179	4	20	mg/kg	03/08/13 07:31	
Styrene	<0.00074	0.050	0.050	100	0.049	98	82-129	2	20	mg/kg	03/08/13 07:31	
tert-Butylbenzene	<0.00083	0.050	0.050	100	0.048	96	56-163	4	20	mg/kg	03/08/13 07:31	
Tetrachloroethene	<0.0010	0.050	0.066	132	0.063	126	78-144	5	20	mg/kg	03/08/13 07:31	
Toluene	<0.00059	0.050	0.046	92	0.044	88	86-121	4	20	mg/kg	03/08/13 07:31	
trans-1,2-Dichloroethene	<0.00078	0.050	0.050	100	0.048	96	72-132	4	20	mg/kg	03/08/13 07:31	
trans-1,3-Dichloropropene	<0.00067	0.050	0.046	92	0.046	92	82-132	0	20	mg/kg	03/08/13 07:31	
Trichloroethene	<0.00071	0.050	0.054	108	0.052	104	80-126	4	20	mg/kg	03/08/13 07:31	
Trichlorofluoromethane	<0.0035	0.050	0.070	140	0.065	130	55-155	7	20	mg/kg	03/08/13 07:31	
Vinyl acetate	<0.00072	0.050	0.043	86	0.043	86	57-146	0	20	mg/kg	03/08/13 07:31	
Vinyl chloride	<0.0020	0.050	0.048	96	0.043	86	70-130	11	20	mg/kg	03/08/13 07:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	97		98		104		50-150	%	03/08/13 07:31
4-Bromofluorobenzene	88		87		87		57-158	%	03/08/13 07:31
Toluene-D8	85		85		86		50-150	%	03/08/13 07:31

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A
Seq Number: 908641 Matrix: Soil Date Prep: 03/08/2013
Parent Sample Id: 458822-001 MS Sample Id: 458822-001 S MSD Sample Id: 458822-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0010	0.068	0.082	121	0.079	118	62-137	4	20	mg/kg	03/08/13 17:42	
1,1,2,2-Tetrachloroethane	<0.0016	0.068	0.047	69	0.041	61	64-128	14	20	mg/kg	03/08/13 17:42	X
1,1,2-Trichloroethane	<0.00091	0.068	0.054	79	0.049	73	61-130	10	20	mg/kg	03/08/13 17:42	X
1,1-Dichloroethane	<0.0011	0.068	0.061	90	0.058	87	65-136	5	20	mg/kg	03/08/13 17:42	
1,1-Dichloroethene	<0.0016	0.068	0.064	94	0.062	93	33-158	3	20	mg/kg	03/08/13 17:42	
1,1-Dichloropropene	<0.00073	0.068	0.070	103	0.067	100	42-152	4	20	mg/kg	03/08/13 17:42	
1,2,3-Trichlorobenzene	<0.00078	0.068	0.056	82	0.052	78	48-135	7	20	mg/kg	03/08/13 17:42	
1,2,3-Trichloropropane	<0.0022	0.068	0.071	104	0.062	93	58-134	14	20	mg/kg	03/08/13 17:42	
1,2,4-Trichlorobenzene	<0.0012	0.068	0.061	90	0.056	84	43-139	9	20	mg/kg	03/08/13 17:42	
1,2,4-Trimethylbenzene	<0.00097	0.068	0.056	82	0.054	81	66-134	4	20	mg/kg	03/08/13 17:42	
1,2-Dibromoethane (EDB)	<0.0012	0.068	0.063	93	0.055	82	69-132	14	20	mg/kg	03/08/13 17:42	
1,2-Dichlorobenzene	<0.0017	0.068	0.061	90	0.057	85	71-120	7	20	mg/kg	03/08/13 17:42	
1,2-Dichloroethane	<0.00081	0.068	0.072	106	0.066	99	53-140	9	20	mg/kg	03/08/13 17:42	
1,2-Dichloropropane	<0.0013	0.068	0.056	82	0.052	78	68-126	7	20	mg/kg	03/08/13 17:42	
1,3,5-Trimethylbenzene	<0.0011	0.068	0.059	87	0.057	85	67-134	3	20	mg/kg	03/08/13 17:42	
1,3-Dichlorobenzene	<0.0013	0.068	0.062	91	0.058	87	68-127	7	20	mg/kg	03/08/13 17:42	
1,3-Dichloropropane	<0.00093	0.068	0.055	81	0.050	75	70-129	10	20	mg/kg	03/08/13 17:42	X
1,4-Dichlorobenzene	<0.00093	0.068	0.059	87	0.057	85	72-118	3	20	mg/kg	03/08/13 17:42	
2,2-Dichloropropane	<0.00081	0.068	0.077	113	0.075	112	68-151	3	20	mg/kg	03/08/13 17:42	
2-Butanone (MEK)	<0.012	0.14	0.10	71	0.088	63	42-147	13	20	mg/kg	03/08/13 17:42	
2-Chlorotoluene	<0.00096	0.068	0.055	81	0.053	79	68-127	4	20	mg/kg	03/08/13 17:42	
2-Hexanone	<0.0015	0.14	0.093	66	0.081	58	32-142	14	20	mg/kg	03/08/13 17:42	X
4-Chlorotoluene	<0.00075	0.068	0.058	85	0.051	76	68-127	13	20	mg/kg	03/08/13 17:42	
4-Isopropyltoluene	<0.0011	0.068	0.061	90	0.059	88	64-135	3	20	mg/kg	03/08/13 17:42	
4-Methyl-2-pentanone (MIBK)	<0.0044	0.14	0.11	79	0.092	66	34-149	18	20	mg/kg	03/08/13 17:42	
Acetone	<0.0093	0.14	0.14	100	0.14	100	43-163	0	20	mg/kg	03/08/13 17:42	
Benzene	<0.00069	0.068	0.062	91	0.059	88	65-135	5	20	mg/kg	03/08/13 17:42	
Bromobenzene	<0.0012	0.068	0.049	72	0.046	69	67-121	6	20	mg/kg	03/08/13 17:42	X
Bromochloromethane	<0.0014	0.068	0.073	107	0.069	103	66-137	6	20	mg/kg	03/08/13 17:42	
Bromodichloromethane	<0.00068	0.068	0.072	106	0.067	100	60-129	7	20	mg/kg	03/08/13 17:42	
Bromoform	<0.0013	0.068	0.082	121	0.073	109	48-147	12	20	mg/kg	03/08/13 17:42	
Bromomethane	<0.0033	0.068	0.079	116	0.074	110	42-170	7	20	mg/kg	03/08/13 17:42	
Carbon tetrachloride	<0.0010	0.068	0.091	134	0.086	128	54-148	6	20	mg/kg	03/08/13 17:42	
Chlorobenzene	<0.00078	0.068	0.064	94	0.060	90	71-117	6	20	mg/kg	03/08/13 17:42	
Chlorodibromomethane	<0.0013	0.068	0.077	113	0.070	104	59-135	10	20	mg/kg	03/08/13 17:42	
Chloroethane	<0.0033	0.068	0.067	99	0.065	97	44-166	3	20	mg/kg	03/08/13 17:42	
Chloroform	<0.0010	0.068	0.067	99	0.065	97	62-127	3	20	mg/kg	03/08/13 17:42	
Chloromethane	<0.0031	0.068	0.048	71	0.045	67	34-157	6	20	mg/kg	03/08/13 17:42	
cis-1,2-Dichloroethene	<0.00090	0.068	0.064	94	0.060	90	41-155	6	20	mg/kg	03/08/13 17:42	
cis-1,3-Dichloropropene	<0.00073	0.068	0.067	99	0.062	93	63-128	8	20	mg/kg	03/08/13 17:42	
Dichlorodifluoromethane	<0.0016	0.068	0.062	91	0.056	84	16-171	10	20	mg/kg	03/08/13 17:42	
Ethanol	<0.038	2.7	1.6	59	1.4	52	23-148	13	20	mg/kg	03/08/13 17:42	X
Ethylbenzene	<0.00076	0.068	0.063	93	0.059	88	65-139	7	20	mg/kg	03/08/13 17:42	
Isopropyl Ether	<0.0017	0.068	0.051	75	0.049	73	57-138	4	20	mg/kg	03/08/13 17:42	X
Isopropylbenzene	<0.0010	0.068	0.059	87	0.057	85	62-133	3	20	mg/kg	03/08/13 17:42	
m,p-Xylenes	<0.00164	0.135	0.127	94	0.121	90	69-130	5	20	mg/kg	03/08/13 17:42	
Methyl tert-butyl ether	<0.00094	0.14	0.13	93	0.12	86	48-169	8	20	mg/kg	03/08/13 17:42	
Methylene chloride	<0.0029	0.068	0.050	74	0.049	73	17-184	2	20	mg/kg	03/08/13 17:42	
Naphthalene	<0.0018	0.068	0.049	72	0.045	67	27-157	9	20	mg/kg	03/08/13 17:42	X

QC Summary 458941

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 908641 Matrix: Soil Date Prep: 03/08/2013

Parent Sample Id: 458822-001 MS Sample Id: 458822-001 S MSD Sample Id: 458822-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.0012	0.068	0.056	82	0.053	79	59-136	6	20	mg/kg	03/08/13 17:42	
n-Propylbenzene	<0.0011	0.068	0.056	82	0.054	81	67-134	4	20	mg/kg	03/08/13 17:42	
o-Xylene	<0.000969	0.0677	0.0637	94	0.0614	91	71-124	4	20	mg/kg	03/08/13 17:42	
sec-Butylbenzene	<0.00089	0.068	0.058	85	0.056	84	65-131	4	20	mg/kg	03/08/13 17:42	
Styrene	<0.0010	0.068	0.062	91	0.060	90	50-143	3	20	mg/kg	03/08/13 17:42	
tert-Butylbenzene	<0.0011	0.068	0.062	91	0.060	90	67-131	3	20	mg/kg	03/08/13 17:42	
Tetrachloroethene	<0.0014	0.068	0.093	137	0.081	121	42-156	14	20	mg/kg	03/08/13 17:42	
Toluene	<0.00080	0.068	0.059	87	0.056	84	65-128	5	20	mg/kg	03/08/13 17:42	X
trans-1,2-Dichloroethene	<0.0011	0.068	0.065	96	0.063	94	57-143	3	20	mg/kg	03/08/13 17:42	
trans-1,3-Dichloropropene	<0.00091	0.068	0.061	90	0.057	85	55-141	7	20	mg/kg	03/08/13 17:42	
Trichloroethene	<0.00096	0.068	0.070	103	0.065	97	39-150	7	20	mg/kg	03/08/13 17:42	
Trichlorofluoromethane	<0.0048	0.068	0.084	124	0.081	121	34-179	4	20	mg/kg	03/08/13 17:42	
Vinyl acetate	<0.00098	0.068	0.045	66	0.038	57	13-188	17	20	mg/kg	03/08/13 17:42	
Vinyl chloride	<0.0027	0.068	0.061	90	0.057	85	40-161	7	20	mg/kg	03/08/13 17:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	110		104		50-150	%	03/08/13 17:42
4-Bromofluorobenzene	88		87		57-158	%	03/08/13 17:42
Toluene-D8	84		84		50-150	%	03/08/13 17:42

XENCO Laboratories
Florida Testing Services, LLC

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634859-1-BLK** Matrix: **WATER**
Lab Sample Id: **634859-1-BLK**

Analytical Method: VOCs by GC/MS by SM6200B Prep Method: SM6200B_PREP

Date Analyzed: Mar-09-13 15:37 Analyst: 4124 Date Prep: Mar-09-13 11:56 Tech: 4124
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	U	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634859-1-BLK** Matrix: **WATER**
Lab Sample Id: **634859-1-BLK**

Analytical Method: VOCs by GC/MS by SM6200B Prep Method: SM6200B_PREP

Date Analyzed: Mar-09-13 15:37 Analyst: 4124 Date Prep: Mar-09-13 11:56 Tech: 4124
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634869-1-BLK** Matrix: **SOLID**
Lab Sample Id: **634869-1-BLK**

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035A

Date Analyzed: Mar-08-13 09:23 Analyst: MLA Date Prep: Mar-08-13 06:42 Tech: BAT
Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0091	mg/kg	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	U	1
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	U	1

Project: NCDENR Sites

Version: 1.020

XENCO Laboratories
Florida Testing Services, LLC

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634869-1-BLK** Matrix: **SOLID**
Lab Sample Id: **634869-1-BLK**

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035A

Date Analyzed: Mar-08-13 09:23 Analyst: MLA Date Prep: Mar-08-13 06:42 Tech: BAT
Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Ethanol	64-17-5	U	0.050	0.028	mg/kg	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635024-1-BLK** Matrix: **WATER**
Lab Sample Id: **635024-1-BLK**

Analytical Method: SVOCs by EPA 625M + 10 TICs Prep Method: SW3510C

Date Analyzed: Mar-13-13 12:35 Analyst: NTR Date Prep: Mar-11-13 14:00 Tech: BRO
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	U	1
1,3-Dinitrobenzene	99-65-0	U	10.0	20.1	ug/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635024-1-BLK** Matrix: **WATER**
Lab Sample Id: **635024-1-BLK**

Analytical Method: SVOCs by EPA 625M + 10 TICs Prep Method: SW3510C

Date Analyzed: Mar-13-13 12:35 Analyst: NTR Date Prep: Mar-11-13 14:00 Tech: BRO
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	U	1
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635025-1-BLK** Matrix: **WATER**
Lab Sample Id: **635025-1-BLK**

Analytical Method: MADEP VPH REV 1.1 Prep Method: SW5030B

Date Analyzed: Mar-12-13 12:21 Analyst: MLA Date Prep: Mar-12-13 08:40 Tech: BAT
Seq Number: 908874

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
C5-C8 Aliphatics (Unadj.)	ALHYDRC5(	U	15.0	15.0	ug/L	U	1
C9-C10 Aromatics (Unadj.)	HYDC9C10	U	5.00	5.00	ug/L	U	1
C9-C12 Aliphatics (Unadj.)	ALHYDRC9(	U	15.0	15.0	ug/L	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635089-1-BLK** Matrix: **SOLID**
Lab Sample Id: **635089-1-BLK**

Analytical Method: SVOCs by SW-846 8270D Prep Method: SW3550

Date Analyzed: Mar-13-13 23:37 Analyst: NTR Date Prep: Mar-13-13 10:00 Tech: BRO
Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.333	0.0590	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.333	0.0540	mg/kg	U	1
1,2-Diphenylhydrazine	122-66-7	U	0.333	0.0367	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.333	0.0527	mg/kg	U	1
1,4-Dichlorobenzene	106-46-7	U	0.333	0.0520	mg/kg	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.333	0.0643	mg/kg	U	1
2,4-Dichlorophenol	120-83-2	U	0.333	0.0423	mg/kg	U	1
2,4-Dimethylphenol	105-67-9	U	0.333	0.0607	mg/kg	U	1
2,4-Dinitrophenol	51-28-5	U	0.333	0.0537	mg/kg	U	1
2,4-Dinitrotoluene	121-14-2	U	0.333	0.0537	mg/kg	U	1
2,6-Dinitrotoluene	606-20-2	U	0.333	0.0433	mg/kg	U	1
2-Chloronaphthalene	91-58-7	U	0.333	0.0607	mg/kg	U	1
2-Chlorophenol	95-57-8	U	0.333	0.0597	mg/kg	U	1
2-Methylnaphthalene	91-57-6	U	0.333	0.0510	mg/kg	U	1
2-methylphenol	95-48-7	U	0.333	0.0467	mg/kg	U	1
2-Nitrophenol	88-75-5	U	0.333	0.0420	mg/kg	U	1
3&4-Methylphenol	15831-10-4	U	0.333	0.0987	mg/kg	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.333	0.0487	mg/kg	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.333	0.0580	mg/kg	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.333	0.0567	mg/kg	U	1
4-chloro-3-methylphenol	59-50-7	U	0.333	0.0477	mg/kg	U	1
4-Chloroaniline	106-47-8	U	0.333	0.0553	mg/kg	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.333	0.0633	mg/kg	U	1
4-Nitrophenol	100-02-7	U	0.333	0.0410	mg/kg	U	1
Acenaphthene	83-32-9	U	0.333	0.0467	mg/kg	U	1
Acenaphthylene	208-96-8	U	0.333	0.0567	mg/kg	U	1
Anthracene	120-12-7	U	0.333	0.0493	mg/kg	U	1
Benzo(a)anthracene	56-55-3	U	0.333	0.0540	mg/kg	U	1
Benzo(a)pyrene	50-32-8	U	0.333	0.0490	mg/kg	U	1
Benzo(b)fluoranthene	205-99-2	U	0.333	0.0543	mg/kg	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.333	0.0550	mg/kg	U	1
Benzo(k)fluoranthene	207-08-9	U	0.333	0.0573	mg/kg	U	1
Benzoic Acid	65-85-0	U	0.333	0.0527	mg/kg	U	1
Benzyl Alcohol	100-51-6	U	0.333	0.0533	mg/kg	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.333	0.0400	mg/kg	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.333	0.0473	mg/kg	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.333	0.0450	mg/kg	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.333	0.0540	mg/kg	U	1
Butylbenzylphthalate	85-68-7	U	0.333	0.0500	mg/kg	U	1
Chrysene	218-01-9	U	0.333	0.0443	mg/kg	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.333	0.0647	mg/kg	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635089-1-BLK** Matrix: **SOLID**
Lab Sample Id: **635089-1-BLK**

Analytical Method: SVOCs by SW-846 8270D Prep Method: SW3550

Date Analyzed: Mar-13-13 23:37 Analyst: NTR Date Prep: Mar-13-13 10:00 Tech: BRO
Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Dibenzofuran	132-64-9	U	0.333	0.0427	mg/kg	U	1
Diethyl Phthalate	84-66-2	U	0.333	0.0537	mg/kg	U	1
Dimethyl Phthalate	131-11-3	U	0.333	0.0503	mg/kg	U	1
di-n-Butyl Phthalate	84-74-2	U	0.333	0.0613	mg/kg	U	1
di-n-Octyl Phthalate	117-84-0	U	0.333	0.0553	mg/kg	U	1
Fluoranthene	206-44-0	U	0.333	0.0433	mg/kg	U	1
Fluorene	86-73-7	U	0.333	0.0407	mg/kg	U	1
Hexachlorobenzene	118-74-1	U	0.333	0.0557	mg/kg	U	1
Hexachlorobutadiene	87-68-3	U	0.333	0.0370	mg/kg	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.333	0.0573	mg/kg	U	1
Hexachloroethane	67-72-1	U	0.333	0.0517	mg/kg	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.333	0.0607	mg/kg	U	1
Isophorone	78-59-1	U	0.333	0.0343	mg/kg	U	1
Naphthalene	91-20-3	U	0.333	0.0533	mg/kg	U	1
Nitrobenzene	98-95-3	U	0.333	0.0593	mg/kg	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.333	0.0477	mg/kg	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.333	0.0700	mg/kg	U	1
Pentachlorophenol	87-86-5	U	0.333	0.0603	mg/kg	U	1
Phenanthrene	85-01-8	U	0.333	0.0553	mg/kg	U	1
Phenol	108-95-2	U	0.333	0.0467	mg/kg	U	1
Pyrene	129-00-0	U	0.333	0.0567	mg/kg	U	1

Project: NCDENR Sites

Version: 1.020

Blank Summary 458941

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635134-1-BLK** Matrix: **WATER**
Lab Sample Id: **635134-1-BLK**

Analytical Method: EPH by MADEP Method Prep Method: SW3520C

Date Analyzed: Mar-14-13 17:21 Analyst: NTR Date Prep: Mar-11-13 10:00 Tech: BRO
Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Unadjusted C9-C18 Aliphatics	ALHYDRC9	U	200	200	ug/L	U	1
Unadjusted C19-C36 Aliphatics	ALHYDRC1	U	200	200	ug/L	U	1

Analytical Method: EPH by MADEP Method Prep Method: SW3520C

Date Analyzed: Mar-15-13 11:34 Analyst: NTR Date Prep: Mar-11-13 10:00 Tech: BRO
Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Unadjusted C11-C22 Aromatics	C11C22	U	200	200	ug/L	U	1

Project: NCDENR Sites

Version: 1.020

WO# 458941

Chain of Custody Record

Page 1 of 1

Mill Creek Environmental Services, Inc.
1818 Perimeter Rd.
Dawsonville, GA 30534
Phone: 706-579-1607
Fax: 706-265-4916

ENVIRONMENTAL SERVICES

Client: Apex Village	MCES Project #: AV-1301-3
Send Report To: Mill Creek Environmental Services, Inc. 1818 Perimeter Rd. Dawsonville, GA 30534	
Attn: Dan Centofanti	Acct. #:
Phone: 706-579-1607	Shipping Method: FED-EX
Fax: 706-265-4916	Airbill #:
Sampled By: DLC	Signature: [signature]
Turnaround Time: ( ) Standard (X) Rush ( ) 24 hr.	

Requested Parameters

Sample ID	Date	Time	Grab (G) Comp. (C)	Matrix	VOC 8260B	SVOC 8270C	EPA 6200	EPA 625 + 10 TICs	VPH	EPH	RCRA Metals + Pb and Cr 3030C Prep	PAH 8270C	# and type of containers: HCL	NaHSO4	H2SO4	NaOH	MeOH	None	Remarks
SB-1, 0-4'	3-7-13	1030	G	S	X	X								2			1	2	
SB-1	3-7-13	1050	G	W			X	X	X	X			7					2	
SB-2, 4-8'	3-7-13	1145	G	S	X	X								2			1	2	
SB-2	3-7-13	1230	G	W			X	X	X	X			7					2	20' GW
SB-2, 30'	3-7-13	1300	G	W			X	X					3					2	30' GW
SB-3	3-7-13	1400	G	W			X	X					3					2	
SB-4	3-7-13	1445	G	W			X	X					3					2	
SB-5	3-7-13	1515	G	W			X	X					3					2	
SB-6	3-7-13	1600	G	W			X	X					3					2	

Comments: RUSH ALL - 24-TAT ON VOCs
- ASAP on SVOCs + EPH

Relinquished By:	Date:	Time:	Received By:	Date:	Time:
[signature]	3-7-13	1730	Dano Lagmac	3/8/13	10:00
Relinquished By:	Date:	Time:	Received By:	Date:	Time:

2.5°C

FedEx Express NEW Package US Airbill

FedEx Tracking Number 8006 7442 7394

Form ID No. 0215

Recipient's Copy

1 From This portion can be removed for Recipient's records.

Date 3-7-13 FedEx Tracking Number 800674427394

Sender's Name DAN CENTORANTE Phone 770 380-1488

Company Mill Creek Tenn.

Address 1818 PERIMETER RD. Dept./Floor/Suite/Room

City Dawsonville State GA. ZIP 30534

2 Your Internal Billing Reference AV-1301-3

3 To

Recipient's Name RECEIVING DEPARTMENT Phone 770 449-8800

Company FENCO LAB

Address 5967 FINANCIAL DR Dept./Floor/Suite/Room

We cannot deliver to P.O. boxes or P.O. ZIP codes.

Address

Use this line for the HOLD location address or for continuation of your shipping address.

City NORCROSS State GA ZIP 30071-2929

☐ HOLD Weekday FedEx location address REQUIRED. NOT available for FedEx First Overnight.

☐ HOLD Saturday *FedEx location address REQUIRED. Available ONLY for FedEx Priority Overnight and FedEx 2Day to select locations.

0450675450

8006 7442 7394

4 Express Package Service *To most locations

NOTE: Service order has changed. Please select carefully.

Packages up to 150 lbs. For packages over 150 lbs., use the new FedEx Express Freight US Airbill.

Next Business Day

☐ FedEx First Overnight — Earliest next business morning delivery to select locations. Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Priority Overnight — Next business morning.* Friday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☒ FedEx Standard Overnight — Next business afternoon.* *Saturday Delivery NOT available.

2 or 3 Business Days

☐ NEW FedEx 2Day A.M. — Second business morning.* Saturday Delivery NOT available.

☐ FedEx 2Day — Second business afternoon.* Thursday shipments will be delivered on Monday unless SATURDAY Delivery is selected.

☐ FedEx Express Saver — Third business day.* Saturday Delivery NOT available.

5 Packaging *Declared value limit $500.

☐ FedEx Envelope* ☐ FedEx Pak* ☐ FedEx Box ☐ FedEx Tube ☒ Other

6 Special Handling and Delivery Signature Options

☐ SATURDAY Delivery — NOT available for FedEx Standard Overnight, FedEx 2Day A.M., or FedEx Express Saver

☒ No Signature Required — Package may be left without obtaining a signature for delivery.

☐ Direct Signature — Someone at recipient's address may sign for delivery. Fee applies.

☐ Indirect Signature — If no one is available at recipient's address, someone at a neighboring address may sign for delivery. For residential deliveries only. Fee applies.

Does this shipment contain dangerous goods?

One box must be checked.

☒ No ☐ Yes As per attached Shipper's Declaration. ☐ Yes Shipper's Declaration not required. ☐ Dry Ice Dry ice, 9, UN 1845 ____ x ____ kg

Dangerous goods (including dry ice) cannot be shipped in FedEx packaging or placed in a FedEx Express Drop Box.

☐ Cargo Aircraft Only

7 Payment *Bill to:*

Enter FedEx Acct. No. or Credit Card No. below. Obtain recip. Acct. No. ☐

☐ Sender Acct. No. in Section 1 will be billed. ☒ Recipient ☐ Third Party ☐ Credit Card ☐ Cash/Check

[redacted]530 [redacted]

Total Packages 2 Total Weight ____ lbs. [redacted] Credit Card Auth.

†Our liability is limited to $100 unless you declare a higher value. See the current FedEx Service Guide for details.

611

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fedex.com 1.800.GoFedEx 1.800.463.3339

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Mill Creek Environmental Services

Date/ Time Received: 03/08/2013 10:00:00 AM

Work Order #: 458941

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2.5	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**Yes**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:	PH Device/Lot#:

Checklist completed by: Dario Lagunas Date: 03/08/2013

Checklist reviewed by: Eben Buchanan Date: 03/08/2013

Analytical Report 458977

for

Mill Creek Environmental Services

Project Manager: Dan Centofanti

Apex Village

AV-1301-3

15-MAR-13

Collected By: Client

6017 Financial Dr., Norcross, GA 30071
Ph:(770) 449-8800 Fax:(770) 449-5477

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-10-6-TX), Arizona (AZ0765), Arkansas (08-039-0), Connecticut (PH-0102), Florida (E871002)
Illinois (002082), Indiana (C-TX-02), Iowa (392), Kansas (E-10380), Kentucky (45), Louisiana (03054)
New Hampshire (297408), New Jersey (TX007), New York (11763), Oklahoma (9218), Pennsylvania (68-03610)
Rhode Island (LAO00312), USDA (S-44102), DoD (L11-54)

Xenco-Atlanta (EPA Lab Code: GA00046):
Florida (E87429), North Carolina (483), South Carolina (98015), Kentucky (85), DoD (L10-135)
Louisiana (04176), USDA (P330-07-00105)

Xenco-Tampa Mobile (EPA Lab code: FL01212): Florida (E84900)
Xenco-Lakeland: Florida (E84098)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-TX)
Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295-TX)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)
Xenco Tucson (EPA Lab code:AZ000989): Arizona (AZ0758)

XENCO Laboratories
Florida Testing Services, LLC

15-MAR-13

Project Manager: **Dan Centofanti**
Mill Creek Environmental Services
1818 Perimeter Road
Dawsonville, GA 30534

Reference: XENCO Report No(s): **458977**
Apex Village
Project Address: NC

Dan Centofanti:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 458977. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 458977 will be filed for 60 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Eben D. Buchanan, Jr.

Eben Buchanan
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.
Certified and approved by numerous States and Agencies.
A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Odessa - San Antonio - Tampa - Lakeland - Atlanta - Phoenix - Oklahoma - Latin America

Sample Cross Reference 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SB-7, 4-8'	S	03-08-13 08:00	4 - 8 ft	458977-001
SB-7	W	03-08-13 08:30		458977-002
SB-8	W	03-08-13 09:00		458977-003

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-908630 VOCs by GC/MS by SM6200B
SM6200B

Batch 908630, Chloromethane, Vinyl Chloride RPD was outside QC limits.
Samples affected are: 458977-003

SM6200B

Batch 908630, Bromoform recovered above QC limits in the Blank Spike Duplicate.
Samples affected are: 458977-003.

SM6200B

Batch 908630, cis-1,3-Dichloropropene recovered above QC limits in the Matrix Spike.
Samples affected are: 458977-003.
The Laboratory Control Sample for cis-1,3-Dichloropropene is within laboratory Control Limits

Batch: LBA-908641 VOCs by SW-846 8260B
SW8260B_ATL

Batch 908641, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, Bromobenzene recovered below QC limits in the Blank Spike and Duplicate.
Samples affected are: 458977-001.

SW8260B_ATL

Batch 908641, 1,1,2,2-Tetrachloroethane, 1,1,2-Trichloroethane, 1,3-Dichloropropane, 2-Hexanone, Bromobenzene, Ethanol, Isopropyl Ether, Naphthalene, Toluene recovered below QC limits in the Matrix Spike Duplicate.
Samples affected are: 458977-001.
The Laboratory Control Sample for Ethanol, Toluene, 1,3-Dichloropropane, Naphthalene, Isopropyl Ether, 2-Hexanone is within laboratory Control Limits

Batch: LBA-908874 MADEP VPH REV 1.1
VPH_ATL

Batch 908874, 2,5-Dibromotoluene, 2,5-Dibromotoluene (PID) recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635025-1-BKS,635025-1-BLK,635025-1-BSD,458941-004 S,458977-002.

Batch: LBA-908927 SVOCs by EPA 625M + 10 TICs
E625_ATL

Batch 908927, 2,4,6-Tribromophenol, 2-Fluorophenol recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635024-1-BKS,635024-1-BLK,635024-1-BSD.
Phenol-d6 recovered below QC limits Data confirmed by re-analysis. Samples affected are: 635024-1-BLK.

The extraction technician mistakenly spiked the BLK/BKS/BSD with only the PAH surrogate standard, which is missing the three phenol surrogates; therefore resulting in surrogate failure. Note: all Laboratory Control Spike recoveries were within method control limits in the BKS & BSD QC samples.

Batch: LBA-908960 SVOCs by SW-846 8270D
SW8270D_ATL

Batch 908960, 1,2-Dichlorobenzene, 2-Chlorophenol, Anthracene, Benzo(a)pyrene, Chrysene, Dibenzofuran, Fluoranthene, Phenanthrene, di-n-Butyl Phthalate recovered below QC limits in the Matrix Spike. 2-Methylnaphthalene, Naphthalene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate.
Samples affected are: 458977-001.
The Laboratory Control Sample for 2-Chlorophenol, Anthracene, Naphthalene, Chrysene, Fluoranthene, 1,2-Dichlorobenzene, Dibenzofuran, 2-Methylnaphthalene, Benzo(a)pyrene, Phenanthrene, di-n-Butyl Phthalate is within laboratory Control Limits

SW8270D_ATL

Batch 908960, 2-Chlorophenol, 2-methylphenol, Anthracene, Benzyl Alcohol, N-Nitrosodi-n-Propylamine, Pentachlorophenol, Phenanthrene, Phenol, bis(2-chloroethyl) ether, bis(2-chloroisopropyl) ether, bis(2-ethylhexyl) phthalate, di-n-Butyl Phthalate RPD was outside QC limits.
Samples affected are: 458977-001

Several analytes failed for the MS/MSD possibly due to matrix interference. The Blank Spike recoveries were within reportable control limits.

Flagging Criteria

X In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.

B A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.

D The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.

E The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.

F RPD exceeded lab control limits.

J The target analyte was positively identified below the quantiation limit and above the detection limit.

U Analyte was not detected.

L The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.

H The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.

K Sample analyzed outside of recommended hold time.

JN A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

* Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

***** (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Hits Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7** Matrix: **Water** % Moisture:

Lab Sample Id: **458977-002** Date Collected: **03.08.13 08.30**

Date Received: **03.08.13 15.50**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
13-Docosenamide, (Z)- (TIC)	TIC	10.9	ug/L	03.14.13 22.19	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	9.53	ug/L	03.14.13 22.19	JN	1

Hits Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-8** Matrix: **Water** % Moisture:

Lab Sample Id: **458977-003** Date Collected: **03.08.13 09.00**

Date Received: **03.08.13 15.50**

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Seq Number: 908927 Date Prep: 03.11.13 14.00

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
unknown (TIC)	TIC	8.27	ug/L	03.14.13 22.46	JN	1

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Date Prep: 03.09.13 11.56

Parameter	Cas Number	Result	Units	Analysis Date	Flag	Dil
Acetone	67-64-1	1.78	ug/L	03.09.13 21.08	J	1
Chloroform	67-66-3	0.840	ug/L	03.09.13 21.08		1

Certificate of Analytical Results 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7, 4-8'** Matrix: Soil Date Received: 03.08.13 15.50

Lab Sample Id: **458977-001** Date Collected: 03.08.13 08.00 **Sample Depth:** 4 - 8 ft

Analytical Method: **Percent Moisture**

Tech: BLF % Moisture:

Analyst: BLF Basis: Wet Weight

Seq Number: 908744

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Percent Moisture	TMOIST	**18.5**	0.100	0.100	%	03.11.13 17.25		1

Certificate of Analytical Results 458977

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7, 4-8'** Matrix: Soil Date Received: 03.08.13 15.50
Lab Sample Id: **458977-001** Date Collected: 03.08.13 08.00 **Sample Depth:** 4 - 8 ft

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550
Tech: BRO % Moisture: 18.46
Analyst: NTR Date Prep: 03.13.13 10.00 Basis: Dry Weight
Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.408	0.0723	mg/kg	03.14.13 02.19	U	1
1,2-Dichlorobenzene	95-50-1	U	0.408	0.0662	mg/kg	03.14.13 02.19	U	1
1,2-Diphenylhydrazine	122-66-7	U	0.408	0.0449	mg/kg	03.14.13 02.19	U	1
1,3-Dichlorobenzene	541-73-1	U	0.408	0.0645	mg/kg	03.14.13 02.19	U	1
1,4-Dichlorobenzene	106-46-7	U	0.408	0.0637	mg/kg	03.14.13 02.19	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.408	0.0788	mg/kg	03.14.13 02.19	U	1
2,4-Dichlorophenol	120-83-2	U	0.408	0.0519	mg/kg	03.14.13 02.19	U	1
2,4-Dimethylphenol	105-67-9	U	0.408	0.0743	mg/kg	03.14.13 02.19	U	1
2,4-Dinitrophenol	51-28-5	U	0.408	0.0658	mg/kg	03.14.13 02.19	U	1
2,4-Dinitrotoluene	121-14-2	U	0.408	0.0658	mg/kg	03.14.13 02.19	U	1
2,6-Dinitrotoluene	606-20-2	U	0.408	0.0531	mg/kg	03.14.13 02.19	U	1
2-Chloronaphthalene	91-58-7	U	0.408	0.0743	mg/kg	03.14.13 02.19	U	1
2-Chlorophenol	95-57-8	U	0.408	0.0731	mg/kg	03.14.13 02.19	U	1
2-Methylnaphthalene	91-57-6	U	0.408	0.0625	mg/kg	03.14.13 02.19	U	1
2-methylphenol	95-48-7	U	0.408	0.0572	mg/kg	03.14.13 02.19	U	1
2-Nitrophenol	88-75-5	U	0.408	0.0515	mg/kg	03.14.13 02.19	U	1
3&4-Methylphenol	15831-10-4	U	0.408	0.121	mg/kg	03.14.13 02.19	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.408	0.0596	mg/kg	03.14.13 02.19	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.408	0.0711	mg/kg	03.14.13 02.19	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.408	0.0694	mg/kg	03.14.13 02.19	U	1
4-chloro-3-methylphenol	59-50-7	U	0.408	0.0584	mg/kg	03.14.13 02.19	U	1
4-Chloroaniline	106-47-8	U	0.408	0.0678	mg/kg	03.14.13 02.19	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.408	0.0776	mg/kg	03.14.13 02.19	U	1
4-Nitrophenol	100-02-7	U	0.408	0.0502	mg/kg	03.14.13 02.19	U	1
Acenaphthene	83-32-9	U	0.408	0.0572	mg/kg	03.14.13 02.19	U	1
Acenaphthylene	208-96-8	U	0.408	0.0694	mg/kg	03.14.13 02.19	U	1
Anthracene	120-12-7	U	0.408	0.0604	mg/kg	03.14.13 02.19	U	1
Benzo(a)anthracene	56-55-3	U	0.408	0.0662	mg/kg	03.14.13 02.19	U	1
Benzo(a)pyrene	50-32-8	U	0.408	0.0600	mg/kg	03.14.13 02.19	U	1
Benzo(b)fluoranthene	205-99-2	U	0.408	0.0666	mg/kg	03.14.13 02.19	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.408	0.0674	mg/kg	03.14.13 02.19	U	1
Benzo(k)fluoranthene	207-08-9	U	0.408	0.0702	mg/kg	03.14.13 02.19	U	1
Benzoic Acid	65-85-0	U	0.408	0.0645	mg/kg	03.14.13 02.19	U	1
Benzyl Alcohol	100-51-6	U	0.408	0.0653	mg/kg	03.14.13 02.19	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.408	0.0490	mg/kg	03.14.13 02.19	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.408	0.0580	mg/kg	03.14.13 02.19	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.408	0.0551	mg/kg	03.14.13 02.19	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.408	0.0662	mg/kg	03.14.13 02.19	U	1
Butylbenzylphthalate	85-68-7	U	0.408	0.0613	mg/kg	03.14.13 02.19	U	1
Chrysene	218-01-9	U	0.408	0.0543	mg/kg	03.14.13 02.19	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.408	0.0792	mg/kg	03.14.13 02.19	U	1

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7, 4-8'** Matrix: Soil Date Received: 03.08.13 15.50

Lab Sample Id: **458977-001** Date Collected: 03.08.13 08.00 **Sample Depth:** 4 - 8 ft

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Tech: BRO % Moisture: 18.46

Analyst: NTR Date Prep: 03.13.13 10.00 Basis: Dry Weight

Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Dibenzofuran	132-64-9	U	0.408	0.0523	mg/kg	03.14.13 02.19	U	1
Diethyl Phthalate	84-66-2	U	0.408	0.0658	mg/kg	03.14.13 02.19	U	1
Dimethyl Phthalate	131-11-3	U	0.408	0.0617	mg/kg	03.14.13 02.19	U	1
di-n-Butyl Phthalate	84-74-2	U	0.408	0.0751	mg/kg	03.14.13 02.19	U	1
di-n-Octyl Phthalate	117-84-0	U	0.408	0.0678	mg/kg	03.14.13 02.19	U	1
Fluoranthene	206-44-0	U	0.408	0.0531	mg/kg	03.14.13 02.19	U	1
Fluorene	86-73-7	U	0.408	0.0498	mg/kg	03.14.13 02.19	U	1
Hexachlorobenzene	118-74-1	U	0.408	0.0682	mg/kg	03.14.13 02.19	U	1
Hexachlorobutadiene	87-68-3	U	0.408	0.0453	mg/kg	03.14.13 02.19	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.408	0.0702	mg/kg	03.14.13 02.19	U	1
Hexachloroethane	67-72-1	U	0.408	0.0633	mg/kg	03.14.13 02.19	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.408	0.0743	mg/kg	03.14.13 02.19	U	1
Isophorone	78-59-1	U	0.408	0.0421	mg/kg	03.14.13 02.19	U	1
Naphthalene	91-20-3	U	0.408	0.0653	mg/kg	03.14.13 02.19	U	1
Nitrobenzene	98-95-3	U	0.408	0.0727	mg/kg	03.14.13 02.19	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.408	0.0584	mg/kg	03.14.13 02.19	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.408	0.0858	mg/kg	03.14.13 02.19	U	1
Pentachlorophenol	87-86-5	U	0.408	0.0739	mg/kg	03.14.13 02.19	U	1
Phenanthrene	85-01-8	U	0.408	0.0678	mg/kg	03.14.13 02.19	U	1
Phenol	108-95-2	U	0.408	0.0572	mg/kg	03.14.13 02.19	U	1
Pyrene	129-00-0	U	0.408	0.0694	mg/kg	03.14.13 02.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2-Fluorobiphenyl	321-60-8	56	%	20-112	03.14.13 02.19	
2-Fluorophenol	367-12-4	49	%	18-101	03.14.13 02.19	
Nitrobenzene-d5	4165-60-0	51	%	13-112	03.14.13 02.19	
Phenol-d5	4165-62-2	50	%	15-110	03.14.13 02.19	
Terphenyl-D14	1718-51-0	78	%	21-138	03.14.13 02.19	
2,4,6-Tribromophenol	118-79-6	61	%	21-128	03.14.13 02.19	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7, 4-8'** Matrix: Soil Date Received: 03.08.13 15.50

Lab Sample Id: **458977-001** Date Collected: 03.08.13 08.00 **Sample Depth:** 4 - 8 ft

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015B** Prep Method: SW3550

Tech: BRO % Moisture: 18.46

Analyst: NTR Date Prep: 03.12.13 10.00 Basis: Dry Weight

Seq Number: 908862

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-DRO	68334-30-5	U	12.3	3.14	mg/kg	03.12.13 18.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
o-Terphenyl	84-15-1	80	%	32-116	03.12.13 18.11	

Analytical Method: **TPH (Gasoline Range Organics) by SW8015B** Prep Method: SW5030B

Tech: BAT % Moisture: 18.46

Analyst: MLA Date Prep: 03.11.13 09.00 Basis: Dry Weight

Seq Number: 908806

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
TPH-GRO	8006-61-9	U	11	1.7	mg/kg	03.11.13 20.16	U	50

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	70	%	57-131	03.11.13 20.16	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7, 4-8'** Matrix: Soil Date Received: 03.08.13 15.50
Lab Sample Id: **458977-001** Date Collected: 03.08.13 08.00 **Sample Depth:** 4 - 8 ft

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035
Tech: BAT % Moisture: 18.46
Analyst: MLA Date Prep: 03.08.13 06.42 Basis: Dry Weight
Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	03.08.13 16.21	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	03.08.13 16.21	UL	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	03.08.13 16.21	UL	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	03.08.13 16.21	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	03.08.13 16.21	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	03.08.13 16.21	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	03.08.13 16.21	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	03.08.13 16.21	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	03.08.13 16.21	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	03.08.13 16.21	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	03.08.13 16.21	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	03.08.13 16.21	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	03.08.13 16.21	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	03.08.13 16.21	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	03.08.13 16.21	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	03.08.13 16.21	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	03.08.13 16.21	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	03.08.13 16.21	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	03.08.13 16.21	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0091	mg/kg	03.08.13 16.21	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	03.08.13 16.21	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	03.08.13 16.21	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	03.08.13 16.21	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	03.08.13 16.21	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	03.08.13 16.21	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	03.08.13 16.21	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	03.08.13 16.21	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	03.08.13 16.21	UL	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	03.08.13 16.21	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	03.08.13 16.21	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	03.08.13 16.21	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	03.08.13 16.21	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	03.08.13 16.21	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	03.08.13 16.21	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	03.08.13 16.21	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	03.08.13 16.21	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	03.08.13 16.21	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	03.08.13 16.21	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	03.08.13 16.21	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	03.08.13 16.21	U	1
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	03.08.13 16.21	U	1

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7, 4-8'** Matrix: Soil Date Received: 03.08.13 15.50

Lab Sample Id: **458977-001** Date Collected: 03.08.13 08.00 **Sample Depth:** 4 - 8 ft

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035

Tech: BAT % Moisture: 18.46

Analyst: MLA Date Prep: 03.08.13 06.42 Basis: Dry Weight

Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	0.050	0.028	mg/kg	03.08.13 16.21	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00056	mg/kg	03.08.13 16.21	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	03.08.13 16.21	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	03.08.13 16.21	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	03.08.13 16.21	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	03.08.13 16.21	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	03.08.13 16.21	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	03.08.13 16.21	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	03.08.13 16.21	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	03.08.13 16.21	U	1
o-Xylene	95-47-6	U	0.000999	0.000715	mg/kg	03.08.13 16.21	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	03.08.13 16.21	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	03.08.13 16.21	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	03.08.13 16.21	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	03.08.13 16.21	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	03.08.13 16.21	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	03.08.13 16.21	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	03.08.13 16.21	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	03.08.13 16.21	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	03.08.13 16.21	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	03.08.13 16.21	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	03.08.13 16.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	110	%	50-150	03.08.13 16.21	
4-Bromofluorobenzene	460-00-4	88	%	57-158	03.08.13 16.21	
Toluene-D8	2037-26-5	84	%	50-150	03.08.13 16.21	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7** Matrix: Water Date Received: 03.08.13 15.50

Lab Sample Id: **458977-002** Date Collected: 03.08.13 08.30

Analytical Method: **EPH by MADEP Method** Prep Method: SW3520C

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 10.00

Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Unadjusted C11-C22 Aromatics	C11C22	U	200	200	ug/L	03.15.13 10.51	U	1
Unadjusted C9-C18 Aliphatics	ALHYDRC9C18	U	200	200	ug/L	03.14.13 20.33	U	1
Unadjusted C19-C36 Aliphatics	ALHYDRC19C3	U	200	200	ug/L	03.14.13 20.33	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctadecane	3386-33-2	118	%	40-140	03.14.13 20.33	
o-Terphenyl	84-15-1	56	%	40-140	03.15.13 10.51	
2-Fluorobiphenyl	321-60-8	53	%	40-140	03.15.13 10.51	

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7** Matrix: Water Date Received: 03.08.13 15.50
Lab Sample Id: **458977-002** Date Collected: 03.08.13 08.30

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.14.13 22.19	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.14.13 22.19	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.14.13 22.19	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.14.13 22.19	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.14.13 22.19	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.14.13 22.19	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.14.13 22.19	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.14.13 22.19	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.14.13 22.19	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.14.13 22.19	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.14.13 22.19	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.14.13 22.19	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.14.13 22.19	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.14.13 22.19	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.14.13 22.19	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.14.13 22.19	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.14.13 22.19	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.14.13 22.19	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.14.13 22.19	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.14.13 22.19	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.14.13 22.19	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.14.13 22.19	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.14.13 22.19	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.14.13 22.19	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.14.13 22.19	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.14.13 22.19	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.14.13 22.19	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.14.13 22.19	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.14.13 22.19	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.14.13 22.19	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.14.13 22.19	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.14.13 22.19	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.14.13 22.19	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.14.13 22.19	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.14.13 22.19	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.14.13 22.19	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.14.13 22.19	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.14.13 22.19	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.14.13 22.19	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.14.13 22.19	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.14.13 22.19	U	1

Certificate of Analytical Results 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7** Matrix: Water Date Received: 03.08.13 15.50

Lab Sample Id: **458977-002** Date Collected: 03.08.13 08.30

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.14.13 22.19	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.14.13 22.19	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.14.13 22.19	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.14.13 22.19	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.14.13 22.19	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.14.13 22.19	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.14.13 22.19	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.14.13 22.19	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.14.13 22.19	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.14.13 22.19	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.14.13 22.19	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.14.13 22.19	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	03.14.13 22.19	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.14.13 22.19	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.14.13 22.19	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.14.13 22.19	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.14.13 22.19	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.14.13 22.19	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.14.13 22.19	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.14.13 22.19	U	1
13-Docosenamide, (Z)- (TIC)	TIC	**10.9**			ug/L	03.14.13 22.19	JN	1
9-Octadecenamide, (Z)- (TIC)	TIC	**9.53**			ug/L	03.14.13 22.19	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	88	%	32-129	03.14.13 22.19	
2-Fluorobiphenyl	321-60-8	75	%	39-99	03.14.13 22.19	
2-Fluorophenol	367-12-4	70	%	33-92	03.14.13 22.19	
Nitrobenzene-d5	4165-60-0	62	%	37-94	03.14.13 22.19	
Phenol-d5	4165-62-2	74	%	28-88	03.14.13 22.19	
Terphenyl-D14	1718-51-0	93	%	18-133	03.14.13 22.19	

Certificate of Analytical Results 458977

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-7** Matrix: Water Date Received: 03.08.13 15.50
Lab Sample Id: **458977-002** Date Collected: 03.08.13 08.30

Analytical Method: **EPA 602 List + Xylenes by SM6200B** Prep Method: SM6200B_PREP
Tech: 4124 % Moisture:
Analyst: MLA Date Prep: 03.09.13 11.56
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 20.35	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 20.35	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 20.35	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 20.35	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 20.35	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 20.35	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 20.35	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 20.35	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 20.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	104	%	53-159	03.09.13 20.35	
4-Bromofluorobenzene	460-00-4	102	%	30-186	03.09.13 20.35	
Toluene-D8	2037-26-5	100	%	70-130	03.09.13 20.35	

Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B
Tech: BAT % Moisture:
Analyst: MLA Date Prep: 03.12.13 08.40
Seq Number: 908874

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
C5-C8 Aliphatics (Unadj.)	ALHYDRC5C8	U	15.0	15.0	ug/L	03.12.13 19.00	U	1
C9-C10 Aromatics (Unadj.)	HYDC9C10	U	5.00	5.00	ug/L	03.12.13 19.00	U	1
C9-C12 Aliphatics (Unadj.)	ALHYDRC9C12	U	15.0	15.0	ug/L	03.12.13 19.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,5-Dibromotoluene	615-59-8	75	%	70-130	03.12.13 19.00	
2,5-Dibromotoluene (PID)	615-59-8	75	%	70-130	03.12.13 19.00	

Certificate of Analytical Results 458977

XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-8** Matrix: Water Date Received: 03.08.13 15.50
Lab Sample Id: **458977-003** Date Collected: 03.08.13 09.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P
Tech: BRO % Moisture:
Analyst: NTR Date Prep: 03.11.13 14.00
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	03.14.13 22.46	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	03.14.13 22.46	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	03.14.13 22.46	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	03.14.13 22.46	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	03.14.13 22.46	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	03.14.13 22.46	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	03.14.13 22.46	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	03.14.13 22.46	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	03.14.13 22.46	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	03.14.13 22.46	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	03.14.13 22.46	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	03.14.13 22.46	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	03.14.13 22.46	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	03.14.13 22.46	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	03.14.13 22.46	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	03.14.13 22.46	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	03.14.13 22.46	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	03.14.13 22.46	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	03.14.13 22.46	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	03.14.13 22.46	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	03.14.13 22.46	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	03.14.13 22.46	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	03.14.13 22.46	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	03.14.13 22.46	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	03.14.13 22.46	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	03.14.13 22.46	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	03.14.13 22.46	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	03.14.13 22.46	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	03.14.13 22.46	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	03.14.13 22.46	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	03.14.13 22.46	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	03.14.13 22.46	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	03.14.13 22.46	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	03.14.13 22.46	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	03.14.13 22.46	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	03.14.13 22.46	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	03.14.13 22.46	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	03.14.13 22.46	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	03.14.13 22.46	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	03.14.13 22.46	U	1
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	03.14.13 22.46	U	1

Certificate of Analytical Results 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-8** Matrix: Water Date Received: 03.08.13 15.50

Lab Sample Id: **458977-003** Date Collected: 03.08.13 09.00

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: E625P

Tech: BRO % Moisture:

Analyst: NTR Date Prep: 03.11.13 14.00

Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	03.14.13 22.46	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	03.14.13 22.46	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	03.14.13 22.46	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	03.14.13 22.46	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	03.14.13 22.46	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	03.14.13 22.46	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	03.14.13 22.46	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	03.14.13 22.46	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	03.14.13 22.46	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	03.14.13 22.46	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	03.14.13 22.46	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	03.14.13 22.46	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	03.14.13 22.46	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	03.14.13 22.46	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	03.14.13 22.46	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	03.14.13 22.46	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	03.14.13 22.46	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	03.14.13 22.46	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	03.14.13 22.46	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	03.14.13 22.46	U	1
unknown (TIC)	TIC	**8.27**			ug/L	03.14.13 22.46	JN	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
2,4,6-Tribromophenol	118-79-6	75	%	32-129	03.14.13 22.46	
2-Fluorobiphenyl	321-60-8	61	%	39-99	03.14.13 22.46	
2-Fluorophenol	367-12-4	55	%	33-92	03.14.13 22.46	
Nitrobenzene-d5	4165-60-0	56	%	37-94	03.14.13 22.46	
Phenol-d5	4165-62-2	60	%	28-88	03.14.13 22.46	
Terphenyl-D14	1718-51-0	95	%	18-133	03.14.13 22.46	

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XENCO Laboratories
Florida Testing Services, LLC

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-8** Matrix: Water Date Received: 03.08.13 15.50
Lab Sample Id: **458977-003** Date Collected: 03.08.13 09.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Tech: 4124 % Moisture:
Analyst: 4124 Date Prep: 03.09.13 11.56
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	03.09.13 21.08	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	03.09.13 21.08	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	03.09.13 21.08	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	03.09.13 21.08	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	03.09.13 21.08	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	03.09.13 21.08	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	03.09.13 21.08	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	03.09.13 21.08	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	03.09.13 21.08	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	03.09.13 21.08	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	03.09.13 21.08	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	03.09.13 21.08	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	03.09.13 21.08	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	03.09.13 21.08	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	03.09.13 21.08	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	03.09.13 21.08	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	03.09.13 21.08	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	03.09.13 21.08	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	03.09.13 21.08	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	03.09.13 21.08	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	03.09.13 21.08	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	03.09.13 21.08	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	03.09.13 21.08	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	03.09.13 21.08	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	03.09.13 21.08	U	1
Acetone	67-64-1	**1.78**	2.00	0.352	ug/L	03.09.13 21.08	J	1
Benzene	71-43-2	U	0.500	0.119	ug/L	03.09.13 21.08	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	03.09.13 21.08	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	03.09.13 21.08	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	03.09.13 21.08	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	03.09.13 21.08	UH	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	03.09.13 21.08	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	03.09.13 21.08	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	03.09.13 21.08	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	03.09.13 21.08	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	03.09.13 21.08	U	1
Chloroform	67-66-3	**0.840**	0.500	0.172	ug/L	03.09.13 21.08		1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	03.09.13 21.08	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	03.09.13 21.08	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	03.09.13 21.08	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	03.09.13 21.08	U	1

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Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **SB-8** Matrix: Water Date Received: 03.08.13 15.50

Lab Sample Id: **458977-003** Date Collected: 03.08.13 09.00

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Tech: 4124 % Moisture:

Analyst: 4124 Date Prep: 03.09.13 11.56

Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Analysis Date	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	03.09.13 21.08	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	03.09.13 21.08	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	03.09.13 21.08	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	03.09.13 21.08	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	03.09.13 21.08	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	03.09.13 21.08	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	03.09.13 21.08	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	03.09.13 21.08	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	03.09.13 21.08	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	03.09.13 21.08	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	03.09.13 21.08	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	03.09.13 21.08	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	03.09.13 21.08	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	03.09.13 21.08	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	03.09.13 21.08	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	03.09.13 21.08	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	03.09.13 21.08	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	03.09.13 21.08	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	03.09.13 21.08	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	03.09.13 21.08	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	03.09.13 21.08	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	03.09.13 21.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,2-Dichloroethane-D4	17060-07-0	106	%	53-159	03.09.13 21.08	
4-Bromofluorobenzene	460-00-4	106	%	30-186	03.09.13 21.08	
Toluene-D8	2037-26-5	100	%	70-130	03.09.13 21.08	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: Percent Moisture

Seq Number: 908744 | Matrix: Soil

Parent Sample Id: 458977-001 | MD Sample Id: 458977-001 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
Percent Moisture	18.5	18.5	0	20	%	03/11/13 17:25	

Analytical Method: EPH by MADEP Method

Prep Method: SW3520C

Seq Number: 909088 | Matrix: Water | Date Prep: 03/11/2013

MB Sample Id: 635134-1-BLK | LCS Sample Id: 635134-1-BKS | LCSD Sample Id: 635134-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Unadjusted C11-C22 Aromatics	<200	1700	2060	121	1720	101	40-140	18	40	ug/L	03/15/13 12:16	
Unadjusted C9-C18 Aliphatics	<200	1200	1250	104	1280	107	40-140	2	40	ug/L	03/14/13 17:59	
Unadjusted C19-C36 Aliphatics	<200	1600	1210	76	1380	86	40-140	13	40	ug/L	03/14/13 17:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctadecane	108		119		116		40-140	%	03/14/13 17:59
o-Terphenyl	125		50		78		40-140	%	03/15/13 12:16
2-Fluorobiphenyl	120		67		49		40-140	%	03/15/13 12:16

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: SW3510C
Seq Number: 908927 Matrix: Water Date Prep: 03/11/2013
MB Sample Id: 635024-1-BLK LCS Sample Id: 635024-1-BKS LCSD Sample Id: 635024-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<1.43	100	71.9	72	71.7	72	44-142	0	30	ug/L	03/13/13 13:02	
1,2-Dichlorobenzene	<1.83	100	76.1	76	71.9	72	32-129	6	30	ug/L	03/13/13 13:02	
1,3-Dichlorobenzene	<2.11	100	90.4	90	71.8	72	10-172	23	30	ug/L	03/13/13 13:02	
2,4,6-Trichlorophenol	<1.64	100	74.4	74	77.9	78	37-144	5	30	ug/L	03/13/13 13:02	
2,4-Dichlorophenol	<1.78	100	73.8	74	73.4	73	39-135	1	30	ug/L	03/13/13 13:02	
2,4-Dimethylphenol	<1.63	100	73.2	73	70.4	70	32-119	4	30	ug/L	03/13/13 13:02	
2,4-Dinitrophenol	<7.11	100	49.5	50	46.1	46	10-191	7	30	ug/L	03/13/13 13:02	
2,4-Dinitrotoluene	<2.14	100	80.5	81	80.2	80	39-139	0	30	ug/L	03/13/13 13:02	
2,6-Dinitrotoluene	<2.72	100	77.0	77	76.0	76	50-158	1	30	ug/L	03/13/13 13:02	
2-Chloronaphthalene	<1.29	100	74.7	75	70.6	71	60-118	6	30	ug/L	03/13/13 13:02	
2-Chlorophenol	<1.83	100	73.0	73	72.6	73	23-134	1	30	ug/L	03/13/13 13:02	
2-Methylnaphthalene	<1.19	100	70.2	70	70.4	70	45-105	0	30	ug/L	03/13/13 13:02	
2-Methylphenol	<2.00	100	72.7	73	74.8	75	40-110	3	30	ug/L	03/13/13 13:02	
2-Nitrophenol	<1.95	100	69.1	69	74.3	74	29-182	7	30	ug/L	03/13/13 13:02	
3&4-Methylphenol	<2.55	200	182	91	168	84	30-110	8	30	ug/L	03/13/13 13:02	
3,3-Dichlorobenzidine	<3.88	100	142	142	136	136	10-262	4	30	ug/L	03/13/13 13:02	
4,6-Dinitro-2-methyl phenol	<1.40	100	74.2	74	77.2	77	10-181	4	30	ug/L	03/13/13 13:02	
4-Bromophenyl phenyl ether	<2.12	100	71.6	72	73.6	74	53-127	3	30	ug/L	03/13/13 13:02	
4-Chloro-3-methylphenol	<2.18	100	79.4	79	73.5	74	22-147	8	30	ug/L	03/13/13 13:02	
4-Chloroaniline	<3.09	100	76.2	76	79.3	79	15-110	4	30	ug/L	03/13/13 13:02	
4-Chlorophenyl phenyl ether	<1.35	100	78.8	79	80.9	81	25-158	3	30	ug/L	03/13/13 13:02	
4-Nitrophenol	<2.41	100	76.7	77	81.4	81	10-132	6	30	ug/L	03/13/13 13:02	
Acenaphthene	<1.43	100	81.3	81	83.1	83	47-145	2	30	ug/L	03/13/13 13:02	
Acenaphthylene	<1.48	100	82.9	83	83.4	83	33-145	1	30	ug/L	03/13/13 13:02	
Anthracene	<2.01	100	72.5	73	70.0	70	27-133	4	30	ug/L	03/13/13 13:02	
Benzo(a)anthracene	<1.90	100	90.9	91	88.0	88	33-143	3	30	ug/L	03/13/13 13:02	
Benzo(a)pyrene	<1.80	100	71.8	72	71.9	72	17-163	0	30	ug/L	03/13/13 13:02	
Benzo(b)fluoranthene	<1.97	100	78.1	78	85.2	85	24-159	9	30	ug/L	03/13/13 13:02	
Benzo(g,h,i)perylene	<1.97	100	70.6	71	71.0	71	10-219	1	30	ug/L	03/13/13 13:02	
Benzo(k)fluoranthene	<2.71	100	76.9	77	70.4	70	11-162	9	30	ug/L	03/13/13 13:02	
Benzoic acid	<2.21	100	75.4	75	79.8	80	1-125	6	30	ug/L	03/13/13 13:02	
Benzyl alcohol	<1.23	100	70.2	70	73.5	74	30-110	5	30	ug/L	03/13/13 13:02	
Bis(2-chloroethoxy) methane	<1.25	100	83.4	83	78.1	78	33-184	7	30	ug/L	03/13/13 13:02	
Bis(2-chloroethyl) ether	<1.78	100	71.3	71	74.0	74	12-158	4	30	ug/L	03/13/13 13:02	
Bis(2-chloroisopropyl) ether	<1.24	100	77.4	77	79.4	79	36-166	3	30	ug/L	03/13/13 13:02	
Bis(2-ethylhexyl) phthalate	<1.20	100	70.2	70	82.4	82	8-158	16	30	ug/L	03/13/13 13:02	
Butyl benzyl phthalate	<1.82	100	74.9	75	74.3	74	10-152	1	30	ug/L	03/13/13 13:02	
Chrysene	<2.09	100	72.6	73	73.0	73	17-168	1	30	ug/L	03/13/13 13:02	
Dibenz(a,h)anthracene	<1.83	100	70.8	71	71.5	72	10-227	1	30	ug/L	03/13/13 13:02	
Dibenzofuran	<1.64	100	77.6	78	75.2	75	55-105	3	30	ug/L	03/13/13 13:02	
Diethyl phthalate	<1.90	100	73.1	73	71.5	72	10-114	2	30	ug/L	03/13/13 13:02	
Dimethyl phthalate	<1.97	100	74.6	75	73.7	74	10-112	1	30	ug/L	03/13/13 13:02	
Di-n-butyl phthalate	<2.08	100	70.8	71	71.0	71	1-118	0	30	ug/L	03/13/13 13:02	
Di-n-octyl phthalate	<1.38	100	70.3	70	70.9	71	4-146	1	30	ug/L	03/13/13 13:02	
Fluoranthene	<1.81	100	76.8	77	75.6	76	26-137	2	30	ug/L	03/13/13 13:02	
Fluorene	<1.56	100	73.5	74	72.6	73	59-121	1	30	ug/L	03/13/13 13:02	
Hexachlorobenzene	<2.21	100	73.8	74	72.8	73	10-152	1	30	ug/L	03/13/13 13:02	
Hexachlorobutadiene	<1.78	100	69.0	69	69.6	70	24-116	1	30	ug/L	03/13/13 13:02	
Hexachlorocyclopentadiene	<1.87	100	74.8	75	74.1	74	70-130	1	30	ug/L	03/13/13 13:02	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: SW3510C
Seq Number: 908927 Matrix: Water Date Prep: 03/11/2013
MB Sample Id: 635024-1-BLK LCS Sample Id: 635024-1-BKS LCSD Sample Id: 635024-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Hexachloroethane	<2.38	100	74.4	74	78.6	79	40-113	5	30	ug/L	03/13/13 13:02	
Indeno(1,2,3-c,d)pyrene	<1.87	100	72.6	73	80.4	80	10-171	10	30	ug/L	03/13/13 13:02	
Isophorone	<1.41	100	70.4	70	72.4	72	21-196	3	30	ug/L	03/13/13 13:02	
Naphthalene	<1.52	100	70.3	70	70.1	70	21-133	0	30	ug/L	03/13/13 13:02	
Nitrobenzene	<1.49	100	65.5	66	78.7	79	35-180	18	30	ug/L	03/13/13 13:02	
N-Nitrosodi-n-propylamine	<1.36	100	71.3	71	72.3	72	10-230	1	30	ug/L	03/13/13 13:02	
N-Nitrosodiphenylamine	<2.50	100	73.1	73	75.6	76	50-110	3	30	ug/L	03/13/13 13:02	
Pentachlorophenol	<2.26	100	71.4	71	72.0	72	14-176	1	30	ug/L	03/13/13 13:02	
Phenanthrene	<2.04	100	73.3	73	69.9	70	54-120	5	30	ug/L	03/13/13 13:02	
Phenol	<1.76	100	75.0	75	76.8	77	5-112	2	30	ug/L	03/13/13 13:02	
Pyrene	<2.40	100	69.6	70	74.3	74	52-115	7	30	ug/L	03/13/13 13:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,4,6-Tribromophenol	0	**	0	**	0	**	32-129	%	03/13/13 13:02
2-Fluorobiphenyl	73		74		80		39-99	%	03/13/13 13:02
2-Fluorophenol	0	**	0	**	0	**	33-92	%	03/13/13 13:02
Nitrobenzene-d5	57		67		71		37-94	%	03/13/13 13:02
Phenol-d5	0	**	0	**	0	**	28-88	%	03/13/13 13:02
Terphenyl-D14	77		76		73		18-133	%	03/13/13 13:02

Analytical Method: **SVOCs by EPA 625M + 10 TICs** Prep Method: SW3510C
Seq Number: 908927 Matrix: Water Date Prep: 03/11/2013
MB Sample Id: 635024-1-BLK

Parameter	MB Result	Units	Analysis Date	Flag
1,2-Diphenylhydrazine (as Azobenzene)	U	ug/L	03/13/13 12:35	
1,3-Dinitrobenzene	U	ug/L	03/13/13 12:35	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550
Seq Number: 908960 Matrix: Solid Date Prep: 03/13/2013
MB Sample Id: 635089-1-BLK LCS Sample Id: 635089-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0590	3.33	2.23	67	52-104	mg/kg	03/14/13 00:04	
1,2-Dichlorobenzene	<0.0540	3.33	2.21	66	49-103	mg/kg	03/14/13 00:04	
1,2-Diphenylhydrazine	<0.0367	3.33	2.50	75	43-133	mg/kg	03/14/13 00:04	
1,3-Dichlorobenzene	<0.0527	3.33	2.09	63	48-101	mg/kg	03/14/13 00:04	
1,4-Dichlorobenzene	<0.0520	3.33	2.17	65	46-99	mg/kg	03/14/13 00:04	
2,4,6-Trichlorophenol	<0.0643	3.33	2.48	74	47-118	mg/kg	03/14/13 00:04	
2,4-Dichlorophenol	<0.0423	3.33	2.44	73	51-109	mg/kg	03/14/13 00:04	
2,4-Dimethylphenol	<0.0607	3.33	2.38	71	46-106	mg/kg	03/14/13 00:04	
2,4-Dinitrophenol	<0.0537	3.33	2.72	82	15-130	mg/kg	03/14/13 00:04	
2,4-Dinitrotoluene	<0.0537	3.33	2.81	84	53-125	mg/kg	03/14/13 00:04	
2,6-Dinitrotoluene	<0.0433	3.33	2.78	83	48-128	mg/kg	03/14/13 00:04	
2-Chloronaphthalene	<0.0607	3.33	2.44	73	54-109	mg/kg	03/14/13 00:04	
2-Chlorophenol	<0.0597	3.33	2.20	66	47-105	mg/kg	03/14/13 00:04	
2-Methylnaphthalene	<0.0510	3.33	2.17	65	45-102	mg/kg	03/14/13 00:04	
2-methylphenol	<0.0467	3.33	2.37	71	48-106	mg/kg	03/14/13 00:04	
2-Nitrophenol	<0.0420	3.33	2.39	72	38-118	mg/kg	03/14/13 00:04	
3&4-Methylphenol	<0.0987	6.67	5.24	79	40-105	mg/kg	03/14/13 00:04	
3,3-Dichlorobenzidine	<0.0487	3.33	2.12	64	14-139	mg/kg	03/14/13 00:04	
4,6-dinitro-2-methyl phenol	<0.0580	3.33	2.62	79	14-141	mg/kg	03/14/13 00:04	
4-Bromophenyl-phenylether	<0.0567	3.33	2.54	76	54-119	mg/kg	03/14/13 00:04	
4-chloro-3-methylphenol	<0.0477	3.33	2.42	73	45-115	mg/kg	03/14/13 00:04	
4-Chloroaniline	<0.0553	3.33	1.65	50	16-139	mg/kg	03/14/13 00:04	
4-Chlorophenyl Phenyl Ether	<0.0633	3.33	2.54	76	56-113	mg/kg	03/14/13 00:04	
4-Nitrophenol	<0.0410	3.33	1.99	60	35-122	mg/kg	03/14/13 00:04	
Acenaphthene	<0.0467	3.33	2.45	74	50-113	mg/kg	03/14/13 00:04	
Acenaphthylene	<0.0567	3.33	2.72	82	57-126	mg/kg	03/14/13 00:04	
Anthracene	<0.0493	3.33	2.58	77	60-116	mg/kg	03/14/13 00:04	
Benzo(a)anthracene	<0.0540	3.33	2.85	86	56-123	mg/kg	03/14/13 00:04	
Benzo(a)pyrene	<0.0490	3.33	2.59	78	58-101	mg/kg	03/14/13 00:04	
Benzo(b)fluoranthene	<0.0543	3.33	2.41	72	60-111	mg/kg	03/14/13 00:04	
Benzo(g,h,i)perylene	<0.0550	3.33	2.63	79	57-122	mg/kg	03/14/13 00:04	
Benzo(k)fluoranthene	<0.0573	3.33	2.81	84	59-116	mg/kg	03/14/13 00:04	
Benzoic Acid	<0.0527	3.33	1.87	56	50-125	mg/kg	03/14/13 00:04	
Benzyl Alcohol	<0.0533	3.33	2.24	67	45-107	mg/kg	03/14/13 00:04	
bis(2-chloroethoxy) methane	<0.0400	3.33	2.49	75	50-106	mg/kg	03/14/13 00:04	
bis(2-chloroethyl) ether	<0.0473	3.33	2.32	70	50-103	mg/kg	03/14/13 00:04	
bis(2-chloroisopropyl) ether	<0.0450	3.33	2.61	78	43-117	mg/kg	03/14/13 00:04	
bis(2-ethylhexyl) phthalate	<0.0540	3.33	2.60	78	46-137	mg/kg	03/14/13 00:04	
Butylbenzylphthalate	<0.0500	3.33	2.50	75	44-137	mg/kg	03/14/13 00:04	
Chrysene	<0.0443	3.33	2.64	79	57-114	mg/kg	03/14/13 00:04	
Dibenz(a,h)Anthracene	<0.0647	3.33	2.76	83	57-123	mg/kg	03/14/13 00:04	
Dibenzofuran	<0.0427	3.33	2.45	74	50-109	mg/kg	03/14/13 00:04	
Diethyl Phthalate	<0.0537	3.33	2.56	77	51-124	mg/kg	03/14/13 00:04	
Dimethyl Phthalate	<0.0503	3.33	2.59	78	53-116	mg/kg	03/14/13 00:04	
di-n-Butyl Phthalate	<0.0613	3.33	2.55	77	53-127	mg/kg	03/14/13 00:04	
di-n-Octyl Phthalate	<0.0553	3.33	2.55	77	46-133	mg/kg	03/14/13 00:04	
Fluoranthene	<0.0433	3.33	2.73	82	61-115	mg/kg	03/14/13 00:04	
Fluorene	<0.0407	3.33	2.58	77	55-114	mg/kg	03/14/13 00:04	
Hexachlorobenzene	<0.0557	3.33	2.41	72	54-121	mg/kg	03/14/13 00:04	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Seq Number: 908960 Matrix: Solid Date Prep: 03/13/2013

MB Sample Id: 635089-1-BLK LCS Sample Id: 635089-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
Hexachlorobutadiene	<0.0370	3.33	2.12	64	50-110	mg/kg	03/14/13 00:04	
Hexachlorocyclopentadiene	<0.0573	3.33	3.77	113	60-144	mg/kg	03/14/13 00:04	
Hexachloroethane	<0.0517	3.33	2.22	67	42-109	mg/kg	03/14/13 00:04	
Indeno(1,2,3-c,d)Pyrene	<0.0607	3.33	2.64	79	58-127	mg/kg	03/14/13 00:04	
Isophorone	<0.0343	3.33	2.37	71	47-143	mg/kg	03/14/13 00:04	
Naphthalene	<0.0533	3.33	2.25	68	50-106	mg/kg	03/14/13 00:04	
Nitrobenzene	<0.0593	3.33	2.28	68	47-107	mg/kg	03/14/13 00:04	
N-Nitrosodi-n-Propylamine	<0.0477	3.33	2.72	82	43-125	mg/kg	03/14/13 00:04	
N-Nitrosodiphenylamine	<0.0700	3.33	2.68	80	54-127	mg/kg	03/14/13 00:04	
Pentachlorophenol	<0.0603	3.33	2.57	77	10-141	mg/kg	03/14/13 00:04	
Phenanthrene	<0.0553	3.33	2.58	77	59-112	mg/kg	03/14/13 00:04	
Phenol	<0.0467	3.33	2.18	65	45-108	mg/kg	03/14/13 00:04	
Pyrene	<0.0567	3.33	2.42	73	52-124	mg/kg	03/14/13 00:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	63		75		20-112	%	03/14/13 00:04
2-Fluorophenol	55		70		18-101	%	03/14/13 00:04
Nitrobenzene-d5	54		68		13-112	%	03/14/13 00:04
Phenol-d5	56		76		15-110	%	03/14/13 00:04
Terphenyl-D14	93		82		21-138	%	03/14/13 00:04
2,4,6-Tribromophenol	76		77		21-128	%	03/14/13 00:04

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550

Seq Number: 908960 Matrix: Soil Date Prep: 03/13/2013

Parent Sample Id: 458941-003 MS Sample Id: 458941-003 S MSD Sample Id: 458941-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,2,4-Trichlorobenzene	<0.0745	4.21	2.00	48	2.50	59	45-110	22	30	mg/kg	03/14/13 01:25	
1,2-Dichlorobenzene	<0.0682	4.21	1.81	43	2.37	56	45-100	27	30	mg/kg	03/14/13 01:25	X
1,2-Diphenylhydrazine	<0.0463	4.21	2.13	51	2.86	68	45-120	29	30	mg/kg	03/14/13 01:25	
1,3-Dichlorobenzene	<0.0665	4.21	1.69	40	2.28	54	40-100	30	30	mg/kg	03/14/13 01:25	
1,4-Dichlorobenzene	<0.0657	4.21	1.71	41	2.32	55	35-105	30	30	mg/kg	03/14/13 01:25	
2,4,6-Trichlorophenol	<0.0812	4.21	2.17	52	2.70	64	45-110	22	30	mg/kg	03/14/13 01:25	
2,4-Dichlorophenol	<0.0535	4.21	2.16	51	2.69	64	45-110	22	30	mg/kg	03/14/13 01:25	
2,4-Dimethylphenol	<0.0766	4.21	2.02	48	2.57	61	30-105	24	30	mg/kg	03/14/13 01:25	
2,4-Dinitrophenol	<0.0678	4.21	2.72	65	3.36	80	15-130	21	30	mg/kg	03/14/13 01:25	
2,4-Dinitrotoluene	<0.0678	4.21	2.31	55	2.96	70	50-115	25	30	mg/kg	03/14/13 01:25	
2,6-Dinitrotoluene	<0.0547	4.21	2.28	54	2.92	69	50-110	25	30	mg/kg	03/14/13 01:25	
2-Chloronaphthalene	<0.0766	4.21	2.16	51	2.65	63	45-105	20	30	mg/kg	03/14/13 01:25	
2-Chlorophenol	<0.0754	4.21	1.73	41	2.46	58	45-105	35	30	mg/kg	03/14/13 01:25	XF
2-Methylnaphthalene	0.645	4.21	1.90	30	2.41	42	45-105	24	30	mg/kg	03/14/13 01:25	X
2-methylphenol	<0.0589	4.21	1.83	43	2.55	61	40-105	33	30	mg/kg	03/14/13 01:25	F
2-Nitrophenol	<0.0530	4.21	2.04	48	2.66	63	40-110	26	30	mg/kg	03/14/13 01:25	
3&4-Methylphenol	<0.125	8.42	4.04	48	5.36	64	40-105	28	30	mg/kg	03/14/13 01:25	
3,3-Dichlorobenzidine	<0.0615	4.21	1.61	38	2.12	50	20-140	27	30	mg/kg	03/14/13 01:25	
4,6-dinitro-2-methyl phenol	<0.0732	4.21	2.40	57	3.10	74	30-135	25	30	mg/kg	03/14/13 01:25	
4-Bromophenyl-phenylether	<0.0716	4.21	2.14	51	2.85	68	45-115	28	30	mg/kg	03/14/13 01:25	
4-chloro-3-methylphenol	<0.0602	4.21	2.05	49	2.68	64	45-115	27	30	mg/kg	03/14/13 01:25	
4-Chloroaniline	<0.0699	4.21	1.55	37	1.86	44	4-149	18	30	mg/kg	03/14/13 01:25	
4-Chlorophenyl Phenyl Ether	<0.0800	4.21	2.10	50	2.65	63	45-110	23	30	mg/kg	03/14/13 01:25	
4-Nitrophenol	<0.0518	4.21	2.02	48	2.38	57	15-140	16	30	mg/kg	03/14/13 01:25	
Acenaphthene	<0.0589	4.21	2.10	50	2.69	64	45-110	25	30	mg/kg	03/14/13 01:25	
Acenaphthylene	<0.0716	4.21	2.27	54	2.91	69	45-105	25	30	mg/kg	03/14/13 01:25	
Anthracene	<0.0623	4.21	2.05	49	2.81	67	55-105	31	30	mg/kg	03/14/13 01:25	XF
Benzo(a)anthracene	<0.0682	4.21	2.31	55	3.06	73	50-110	28	30	mg/kg	03/14/13 01:25	
Benzo(a)pyrene	<0.0619	4.21	2.07	49	2.75	65	50-110	28	30	mg/kg	03/14/13 01:25	X
Benzo(b)fluoranthene	<0.0686	4.21	1.97	47	2.33	55	45-115	17	30	mg/kg	03/14/13 01:25	
Benzo(g,h,i)perylene	<0.0695	4.21	2.12	50	2.79	66	40-125	27	30	mg/kg	03/14/13 01:25	
Benzo(k)fluoranthene	<0.0724	4.21	2.51	60	2.89	69	45-125	14	30	mg/kg	03/14/13 01:25	
Benzoic Acid	<0.0665	4.21	2.15	51	2.53	60	50-125	16	30	mg/kg	03/14/13 01:25	
Benzyl Alcohol	<0.0674	4.21	1.68	40	2.40	57	20-125	35	30	mg/kg	03/14/13 01:25	F
bis(2-chloroethoxy) methane	<0.0505	4.21	2.15	51	2.75	65	45-110	24	30	mg/kg	03/14/13 01:25	
bis(2-chloroethyl) ether	<0.0598	4.21	1.83	43	2.54	60	40-105	32	30	mg/kg	03/14/13 01:25	F
bis(2-chloroisopropyl) ether	<0.0568	4.21	2.07	49	2.87	68	20-115	32	30	mg/kg	03/14/13 01:25	F
bis(2-ethylhexyl) phthalate	<0.0682	4.21	2.24	53	3.06	73	45-125	31	30	mg/kg	03/14/13 01:25	F
Butylbenzylphthalate	<0.0631	4.21	2.18	52	2.94	70	50-125	30	30	mg/kg	03/14/13 01:25	
Chrysene	<0.0560	4.21	2.19	52	2.89	69	55-110	28	30	mg/kg	03/14/13 01:25	X
Dibenz(a,h)Anthracene	<0.0817	4.21	2.20	52	2.96	70	40-125	29	30	mg/kg	03/14/13 01:25	
Dibenzofuran	<0.0539	4.21	2.08	49	2.63	62	50-105	23	30	mg/kg	03/14/13 01:25	X
Diethyl Phthalate	<0.0678	4.21	2.20	52	2.71	64	50-115	21	30	mg/kg	03/14/13 01:25	
Dimethyl Phthalate	<0.0636	4.21	2.22	53	2.80	67	50-110	23	30	mg/kg	03/14/13 01:25	
di-n-Butyl Phthalate	<0.0775	4.21	2.10	50	2.97	71	55-110	34	30	mg/kg	03/14/13 01:25	XF
di-n-Octyl Phthalate	<0.0699	4.21	2.25	53	2.94	70	40-130	27	30	mg/kg	03/14/13 01:25	
Fluoranthene	<0.0547	4.21	2.14	51	2.88	68	55-115	29	30	mg/kg	03/14/13 01:25	X
Fluorene	<0.0514	4.21	2.11	50	2.76	66	50-110	27	30	mg/kg	03/14/13 01:25	
Hexachlorobenzene	<0.0703	4.21	2.09	50	2.76	66	45-120	28	30	mg/kg	03/14/13 01:25	

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Mill Creek Environmental Services

Apex Village

Analytical Method: **SVOCs by SW-846 8270D** Prep Method: SW3550
Seq Number: 908960 Matrix: Soil Date Prep: 03/13/2013
Parent Sample Id: 458941-003 MS Sample Id: 458941-003 S MSD Sample Id: 458941-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Hexachlorobutadiene	<0.0467	4.21	1.93	46	2.34	56	40-115	19	30	mg/kg	03/14/13 01:25	
Hexachlorocyclopentadiene	<0.0724	4.21	3.20	76	4.19	100	65-135	27	30	mg/kg	03/14/13 01:25	
Hexachloroethane	<0.0652	4.21	1.85	44	2.35	56	35-110	24	30	mg/kg	03/14/13 01:25	
Indeno(1,2,3-c,d)Pyrene	<0.0766	4.21	2.10	50	2.83	67	40-120	30	30	mg/kg	03/14/13 01:25	
Isophorone	<0.0434	4.21	1.98	47	2.57	61	45-110	26	30	mg/kg	03/14/13 01:25	
Naphthalene	1.01	4.21	1.95	22	2.50	35	40-105	25	30	mg/kg	03/14/13 01:25	X
Nitrobenzene	<0.0749	4.21	2.03	48	2.44	58	40-115	18	30	mg/kg	03/14/13 01:25	
N-Nitrosodi-n-Propylamine	<0.0602	4.21	2.12	50	2.95	70	40-115	33	30	mg/kg	03/14/13 01:25	F
N-Nitrosodiphenylamine	<0.0884	4.21	2.20	52	2.95	70	50-115	29	30	mg/kg	03/14/13 01:25	
Pentachlorophenol	<0.0762	4.21	2.19	52	3.05	72	25-120	33	30	mg/kg	03/14/13 01:25	F
Phenanthrene	<0.0699	4.21	2.07	49	2.82	67	50-110	31	30	mg/kg	03/14/13 01:25	XF
Phenol	<0.0589	4.21	1.85	44	2.61	62	40-100	34	30	mg/kg	03/14/13 01:25	F
Pyrene	<0.0716	4.21	2.07	49	2.78	66	45-125	29	30	mg/kg	03/14/13 01:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2-Fluorobiphenyl	50		63		20-112	%	03/14/13 01:25
2-Fluorophenol	53		56		18-101	%	03/14/13 01:25
Nitrobenzene-d5	65		61		13-112	%	03/14/13 01:25
Phenol-d5	51		61		15-110	%	03/14/13 01:25
Terphenyl-D14	59		77		21-138	%	03/14/13 01:25
2,4,6-Tribromophenol	49		66		21-128	%	03/14/13 01:25

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015B** Prep Method: SW3550
Seq Number: 908862 Matrix: Solid Date Prep: 03/12/2013
MB Sample Id: 634998-1-BLK LCS Sample Id: 634998-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-DRO	<2.56	33.3	28.6	86	14-146	mg/kg	03/12/13 17:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
o-Terphenyl	104		102		32-116	%	03/12/13 17:31

Analytical Method: **TPH-Diesel Range Organics by SW-846 8015B** Prep Method: SW3550
Seq Number: 908862 Matrix: Soil Date Prep: 03/12/2013
Parent Sample Id: 458977-001 MS Sample Id: 458977-001 S MSD Sample Id: 458977-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-DRO	<3.14	40.9	28.6	70	25.5	63	14-146	11	20	mg/kg	03/12/13 19:29	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
o-Terphenyl	81		70		32-116	%	03/12/13 19:29

QC Summary 458977

Mill Creek Environmental Services

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Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B
Seq Number: 908874 Matrix: Water Date Prep: 03/12/2013
MB Sample Id: 635025-1-BLK LCS Sample Id: 635025-1-BKS LCSD Sample Id: 635025-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
C5-C8 Aliphatics (Unadj.)	<15.0	150	128	85	134	89	70-130	5	25	ug/L	03/12/13 10:53	
C9-C10 Aromatics (Unadj.)	<5.00	50.0	43.0	86	39.0	78	70-130	10	25	ug/L	03/12/13 10:53	
C9-C12 Aliphatics (Unadj.)	<15.0	150	151	101	143	95	70-130	5	25	ug/L	03/12/13 10:53	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	75		125		100		70-130	%	03/12/13 10:53
2,5-Dibromotoluene (PID)	75		125		100		70-130	%	03/12/13 10:53

Analytical Method: **MADEP VPH REV 1.1** Prep Method: SW5030B
Seq Number: 908874 Matrix: Water Date Prep: 03/12/2013
Parent Sample Id: 458941-004 MS Sample Id: 458941-004 S

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
C5-C8 Aliphatics (Unadj.)	<15.0	150	139	93	70-130	ug/L	03/12/13 17:31	
C9-C10 Aromatics (Unadj.)	<5.00	50.0	37.0	74	70-130	ug/L	03/12/13 17:31	
C9-C12 Aliphatics (Unadj.)	<15.0	150	141	94	70-130	ug/L	03/12/13 17:31	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	75		70-130	%	03/12/13 17:31
2,5-Dibromotoluene (PID)	75		70-130	%	03/12/13 17:31

Analytical Method: **TPH (Gasoline Range Organics) by SW8015B** Prep Method: SW5030B
Seq Number: 908806 Matrix: Solid Date Prep: 03/11/2013
MB Sample Id: 634986-1-BLK LCS Sample Id: 634986-1-BKS

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	Limits	Units	Analysis Date	Flag
TPH-GRO	<1.5	50	53	106	64-114	mg/kg	03/11/13 10:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	90		100		57-131	%	03/11/13 10:05

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **TPH (Gasoline Range Organics) by SW8015B** Prep Method: SW5030B

Seq Number: 908806 Matrix: Soil Date Prep: 03/11/2013

Parent Sample Id: 458844-001 MS Sample Id: 458844-001 S MSD Sample Id: 458844-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
TPH-GRO	<1.6	52	53	102	55	106	64-114	4	25	mg/kg	03/11/13 13:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
2,5-Dibromotoluene	90		90		57-131	%	03/11/13 13:52

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013
MB Sample Id: 634859-1-BLK LCS Sample Id: 634859-1-BKS LCSD Sample Id: 634859-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0760	25.0	25.7	103	27.9	112	82-129	8	20	ug/L	03/09/13 13:25	
1,1,2,2-Tetrachloroethane	<0.0700	25.0	24.8	99	24.7	99	73-129	0	20	ug/L	03/09/13 13:25	
1,1,2-Trichloroethane	<0.113	25.0	25.4	102	25.4	102	78-126	0	20	ug/L	03/09/13 13:25	
1,1-Dichloroethane	<0.121	25.0	24.4	98	25.0	100	76-131	2	20	ug/L	03/09/13 13:25	
1,1-Dichloroethene	<0.104	25.0	26.5	106	26.9	108	81-132	1	22	ug/L	03/09/13 13:25	
1,1-Dichloropropene	<0.0600	25.0	24.9	100	26.3	105	83-134	5	20	ug/L	03/09/13 13:25	
1,2,3-Trichlorobenzene	<0.118	25.0	24.3	97	26.4	106	69-148	8	20	ug/L	03/09/13 13:25	
1,2,3-Trichloropropane	<0.138	25.0	26.7	107	26.7	107	75-124	0	20	ug/L	03/09/13 13:25	
1,2,4-Trichlorobenzene	<0.0690	25.0	25.6	102	25.7	103	77-140	0	20	ug/L	03/09/13 13:25	
1,2,4-Trimethylbenzene	<0.103	25.0	25.0	100	26.0	104	85-123	4	20	ug/L	03/09/13 13:25	
1,2-Dibromoethane (EDB)	<0.180	25.0	26.0	104	27.0	108	80-130	4	20	ug/L	03/09/13 13:25	
1,2-Dichlorobenzene	<0.0940	25.0	25.1	100	25.7	103	87-122	2	20	ug/L	03/09/13 13:25	
1,2-Dichloroethane	<0.0900	25.0	24.3	97	25.5	102	70-127	5	20	ug/L	03/09/13 13:25	
1,2-Dichloropropane	<0.122	25.0	26.7	107	26.7	107	73-140	0	20	ug/L	03/09/13 13:25	
1,3,5-Trimethylbenzene	<0.0870	25.0	25.4	102	25.9	104	83-129	2	20	ug/L	03/09/13 13:25	
1,3-Dichlorobenzene	<0.0980	25.0	23.5	94	24.7	99	88-120	5	20	ug/L	03/09/13 13:25	
1,3-Dichloropropane	<0.133	25.0	26.1	104	26.1	104	77-127	0	20	ug/L	03/09/13 13:25	
1,4-Dichlorobenzene	<0.0670	25.0	24.2	97	24.4	98	86-116	1	20	ug/L	03/09/13 13:25	
2,2-Dichloropropane	<0.0970	25.0	25.5	102	26.2	105	86-141	3	20	ug/L	03/09/13 13:25	
2-Butanone (MEK)	<0.378	50.0	44.3	89	50.5	101	53-149	13	20	ug/L	03/09/13 13:25	
2-Chlorotoluene	<0.0880	25.0	24.7	99	25.0	100	84-126	1	20	ug/L	03/09/13 13:25	
2-Hexanone	<0.352	50.0	58.7	117	57.9	116	68-140	1	20	ug/L	03/09/13 13:25	
4-Chlorotoluene	<0.0900	25.0	25.4	102	25.8	103	85-125	2	20	ug/L	03/09/13 13:25	
4-Isopropyltoluene	<0.0890	25.0	25.4	102	25.7	103	83-132	1	20	ug/L	03/09/13 13:25	
4-Methyl-2-pentanone (MIBK)	<0.253	50.0	49.4	99	49.5	99	66-135	0	20	ug/L	03/09/13 13:25	
Acetone	<0.352	50.0	43.3	87	43.2	86	58-168	0	21	ug/L	03/09/13 13:25	
Benzene	<0.119	25.0	25.1	100	25.4	102	78-136	1	20	ug/L	03/09/13 13:25	
Bromobenzene	<0.132	25.0	24.5	98	24.6	98	80-121	0	20	ug/L	03/09/13 13:25	
Bromochloromethane	<0.112	25.0	24.7	99	24.1	96	81-127	2	20	ug/L	03/09/13 13:25	
Bromodichloromethane	<0.124	25.0	27.1	108	27.1	108	89-128	0	20	ug/L	03/09/13 13:25	
Bromoform	<0.159	25.0	27.2	109	28.8	115	74-114	6	20	ug/L	03/09/13 13:25	H
Bromomethane	<0.0970	25.0	26.8	107	26.4	106	80-132	2	20	ug/L	03/09/13 13:25	
Carbon tetrachloride	<0.0990	25.0	28.6	114	30.2	121	78-140	5	20	ug/L	03/09/13 13:25	
Chlorobenzene	<0.105	25.0	24.1	96	25.2	101	86-118	4	20	ug/L	03/09/13 13:25	
Chlorodibromomethane	<0.177	25.0	26.7	107	28.3	113	82-131	6	20	ug/L	03/09/13 13:25	
Chloroethane	<0.0420	25.0	24.8	99	24.9	100	71-132	0	20	ug/L	03/09/13 13:25	
Chloroform	<0.172	25.0	24.4	98	25.4	102	79-126	4	20	ug/L	03/09/13 13:25	
Chloromethane	<0.0850	25.0	23.6	94	22.4	90	69-135	5	20	ug/L	03/09/13 13:25	
cis-1,2-Dichloroethene	<0.114	25.0	25.6	102	26.0	104	79-133	2	20	ug/L	03/09/13 13:25	
cis-1,3-Dichloropropene	<0.100	25.0	28.6	114	29.3	117	75-138	2	20	ug/L	03/09/13 13:25	
Dichlorodifluoromethane	<0.0670	25.0	25.5	102	26.5	106	57-142	4	20	ug/L	03/09/13 13:25	
Ethanol	<3.00	1000	940	94	917	92	70-130	2	20	ug/L	03/09/13 13:25	
Ethylbenzene	<0.0920	25.0	26.0	104	26.5	106	84-124	2	20	ug/L	03/09/13 13:25	
Isopropyl ether	<0.0920	25.0	25.6	102	25.8	103	61-146	1	20	ug/L	03/09/13 13:25	
Isopropylbenzene	<0.0980	25.0	26.2	105	26.2	105	84-131	0	20	ug/L	03/09/13 13:25	
Methyl tert-butyl ether (MTBE)	<0.169	50.0	50.8	102	51.4	103	55-145	1	20	ug/L	03/09/13 13:25	
Methylene Chloride	<0.190	25.0	23.4	94	25.3	101	74-131	8	20	ug/L	03/09/13 13:25	
Naphthalene	<0.0940	25.0	27.0	108	27.0	108	74-144	0	20	ug/L	03/09/13 13:25	
n-Butylbenzene	<0.0600	25.0	25.7	103	26.8	107	80-134	4	20	ug/L	03/09/13 13:25	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

MB Sample Id: 634859-1-BLK LCS Sample Id: 634859-1-BKS LCSD Sample Id: 634859-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Propylbenzene	<0.0650	25.0	25.5	102	26.1	104	82-129	2	20	ug/L	03/09/13 13:25	
sec-Butylbenzene	<0.0920	25.0	24.3	97	25.3	101	80-131	4	20	ug/L	03/09/13 13:25	
Styrene	<0.0740	25.0	27.1	108	26.6	106	88-123	2	20	ug/L	03/09/13 13:25	
tert-Butylbenzene	<0.0890	25.0	25.3	101	26.2	105	83-134	3	20	ug/L	03/09/13 13:25	
Tetrachloroethene (PCE)	<0.0540	25.0	24.9	100	26.2	105	83-126	5	20	ug/L	03/09/13 13:25	
Toluene	<0.0570	25.0	24.9	100	25.8	103	87-121	4	20	ug/L	03/09/13 13:25	
trans-1,2-Dichloroethene	<0.188	25.0	25.1	100	24.7	99	81-135	2	20	ug/L	03/09/13 13:25	
trans-1,3-Dichloropropene	<0.110	25.0	29.1	116	29.3	117	75-117	1	20	ug/L	03/09/13 13:25	
Trichloroethene	<0.139	25.0	25.6	102	26.6	106	84-125	4	20	ug/L	03/09/13 13:25	
Trichlorofluoromethane	<0.0540	25.0	23.7	95	24.4	98	65-143	3	20	ug/L	03/09/13 13:25	
Vinyl Acetate	<0.720	25.0	26.5	106	26.1	104	47-154	2	20	ug/L	03/09/13 13:25	
Vinyl Chloride	<0.0810	25.0	27.4	110	30.3	121	75-132	10	20	ug/L	03/09/13 13:25	
m,p-Xylenes	<0.176	50.0	50.0	100	52.0	104	85-127	4	20	ug/L	03/09/13 13:25	
o-Xylene	<0.122	25.0	25.2	101	26.2	105	86-124	4	20	ug/L	03/09/13 13:25	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	101		94		97		53-159	%	03/09/13 13:25
4-Bromofluorobenzene	100		103		101		30-186	%	03/09/13 13:25
Toluene-D8	100		104		102		70-130	%	03/09/13 13:25

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013
Parent Sample Id: 458941-006 MD Sample Id: 458941-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0760	<0.0760	0	20	ug/L	03/09/13 18:23	U
1,1,2,2-Tetrachloroethane	<0.0700	<0.0700	0	20	ug/L	03/09/13 18:23	U
1,1,2-Trichloroethane	<0.113	<0.113	0	20	ug/L	03/09/13 18:23	U
1,1-Dichloroethane	<0.121	<0.121	0	20	ug/L	03/09/13 18:23	U
1,1-Dichloroethene	<0.104	<0.104	0	22	ug/L	03/09/13 18:23	U
1,1-Dichloropropene	<0.0600	<0.0600	0	20	ug/L	03/09/13 18:23	U
1,2,3-Trichlorobenzene	<0.118	<0.118	0	20	ug/L	03/09/13 18:23	U
1,2,3-Trichloropropane	<0.138	<0.138	0	20	ug/L	03/09/13 18:23	U
1,2,4-Trichlorobenzene	<0.0690	<0.0690	0	20	ug/L	03/09/13 18:23	U
1,2,4-Trimethylbenzene	<0.103	<0.103	0	20	ug/L	03/09/13 18:23	U
1,2-Dibromoethane (EDB)	<0.180	<0.180	0	20	ug/L	03/09/13 18:23	U
1,2-Dichlorobenzene	<0.0940	<0.0940	0	20	ug/L	03/09/13 18:23	U
1,2-Dichloroethane	<0.0900	<0.0900	0	20	ug/L	03/09/13 18:23	U
1,2-Dichloropropane	<0.122	<0.122	0	20	ug/L	03/09/13 18:23	U
1,3,5-Trimethylbenzene	<0.0870	<0.0870	0	20	ug/L	03/09/13 18:23	U
1,3-Dichlorobenzene	<0.0980	<0.0980	0	20	ug/L	03/09/13 18:23	U
1,3-Dichloropropane	<0.133	<0.133	0	20	ug/L	03/09/13 18:23	U
1,4-Dichlorobenzene	<0.0670	<0.0670	0	20	ug/L	03/09/13 18:23	U
2,2-Dichloropropane	<0.0970	<0.0970	0	20	ug/L	03/09/13 18:23	U
2-Butanone (MEK)	<0.378	<0.378	0	20	ug/L	03/09/13 18:23	U
2-Chlorotoluene	<0.0880	<0.0880	0	20	ug/L	03/09/13 18:23	U
2-Hexanone	<0.352	<0.352	0	20	ug/L	03/09/13 18:23	U
4-Chlorotoluene	<0.0900	<0.0900	0	20	ug/L	03/09/13 18:23	U
4-Isopropyltoluene	<0.0890	<0.0890	0	20	ug/L	03/09/13 18:23	U
4-Methyl-2-pentanone (MIBK)	<0.253	<0.253	0	20	ug/L	03/09/13 18:23	U
Acetone	<0.352	<0.352	0	21	ug/L	03/09/13 18:23	U
Benzene	<0.119	<0.119	0	20	ug/L	03/09/13 18:23	U
Bromobenzene	<0.132	<0.132	0	20	ug/L	03/09/13 18:23	U
Bromochloromethane	<0.112	<0.112	0	20	ug/L	03/09/13 18:23	U
Bromodichloromethane	<0.124	<0.124	0	20	ug/L	03/09/13 18:23	U
Bromoform	<0.159	<0.159	0	20	ug/L	03/09/13 18:23	U
Bromomethane	<0.0970	<0.0970	0	20	ug/L	03/09/13 18:23	U
Carbon tetrachloride	<0.0990	<0.0990	0	20	ug/L	03/09/13 18:23	U
Chlorobenzene	<0.105	<0.105	0	20	ug/L	03/09/13 18:23	U
Chlorodibromomethane	<0.177	<0.177	0	20	ug/L	03/09/13 18:23	U
Chloroethane	<0.0420	<0.0420	0	20	ug/L	03/09/13 18:23	U
Chloroform	4.60	4.82	5	20	ug/L	03/09/13 18:23	
Chloromethane	<0.0850	<0.0850	0	20	ug/L	03/09/13 18:23	U
cis-1,2-Dichloroethene	<0.114	<0.114	0	20	ug/L	03/09/13 18:23	U
cis-1,3-Dichloropropene	<0.100	<0.100	0	20	ug/L	03/09/13 18:23	U
Dichlorodifluoromethane	<0.0670	<0.0670	0	20	ug/L	03/09/13 18:23	U
Ethanol	<3.00	<3.00	0	20	ug/L	03/09/13 18:23	U
Ethylbenzene	<0.0920	<0.0920	0	20	ug/L	03/09/13 18:23	U
Isopropyl ether	<0.0920	<0.0920	0	20	ug/L	03/09/13 18:23	U
Isopropylbenzene	<0.0980	<0.0980	0	20	ug/L	03/09/13 18:23	U
Methyl tert-butyl ether (MTBE)	<0.169	<0.169	0	20	ug/L	03/09/13 18:23	U
Methylene Chloride	<0.190	<0.190	0	20	ug/L	03/09/13 18:23	U
Naphthalene	<0.0940	<0.0940	0	20	ug/L	03/09/13 18:23	U
n-Butylbenzene	<0.0600	<0.0600	0	20	ug/L	03/09/13 18:23	U

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

Parent Sample Id: 458941-006 MD Sample Id: 458941-006 D

Parameter	Parent Result	MD Result	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Propylbenzene	<0.0650	<0.0650	0	20	ug/L	03/09/13 18:23	U
sec-Butylbenzene	<0.0920	<0.0920	0	20	ug/L	03/09/13 18:23	U
Styrene	<0.0740	<0.0740	0	20	ug/L	03/09/13 18:23	U
tert-Butylbenzene	<0.0890	<0.0890	0	20	ug/L	03/09/13 18:23	U
Tetrachloroethene (PCE)	<0.0540	<0.0540	0	20	ug/L	03/09/13 18:23	U
Toluene	<0.0570	<0.0570	0	20	ug/L	03/09/13 18:23	U
trans-1,2-Dichloroethene	<0.188	<0.188	0	20	ug/L	03/09/13 18:23	U
trans-1,3-Dichloropropene	<0.110	<0.110	0	20	ug/L	03/09/13 18:23	U
Trichloroethene	<0.139	<0.139	0	20	ug/L	03/09/13 18:23	U
Trichlorofluoromethane	<0.0540	<0.0540	0	20	ug/L	03/09/13 18:23	U
Vinyl Acetate	<0.720	<0.720	0	20	ug/L	03/09/13 18:23	U
Vinyl Chloride	<0.0810	<0.0810	0	20	ug/L	03/09/13 18:23	U
m,p-Xylenes	<0.176	<0.176	0	20	ug/L	03/09/13 18:23	U
o-Xylene	<0.122	<0.122	0	20	ug/L	03/09/13 18:23	U

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP
Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013
Parent Sample Id: 458941-006 MS Sample Id: 458941-006 S MSD Sample Id: 458941-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0760	25.0	22.3	89	25.7	103	71-131	14	20	ug/L	03/09/13 21:42	
1,1,2,2-Tetrachloroethane	<0.0700	25.0	25.0	100	24.8	99	65-131	1	20	ug/L	03/09/13 21:42	
1,1,2-Trichloroethane	<0.113	25.0	25.0	100	26.2	105	68-128	5	20	ug/L	03/09/13 21:42	
1,1-Dichloroethane	<0.121	25.0	24.8	99	24.8	99	72-130	0	20	ug/L	03/09/13 21:42	
1,1-Dichloroethene	<0.104	25.0	25.9	104	25.6	102	56-139	1	22	ug/L	03/09/13 21:42	
1,1-Dichloropropene	<0.0600	25.0	25.0	100	25.9	104	77-119	4	20	ug/L	03/09/13 21:42	
1,2,3-Trichlorobenzene	<0.118	25.0	22.1	88	23.9	96	62-131	8	20	ug/L	03/09/13 21:42	
1,2,3-Trichloropropane	<0.138	25.0	27.9	112	27.5	110	60-136	1	20	ug/L	03/09/13 21:42	
1,2,4-Trichlorobenzene	<0.0690	25.0	22.4	90	24.3	97	67-130	8	20	ug/L	03/09/13 21:42	
1,2,4-Trimethylbenzene	<0.103	25.0	25.6	102	25.4	102	70-127	1	20	ug/L	03/09/13 21:42	
1,2-Dibromoethane (EDB)	<0.180	25.0	24.9	100	26.8	107	75-127	7	20	ug/L	03/09/13 21:42	
1,2-Dichlorobenzene	<0.0940	25.0	24.9	100	25.2	101	78-116	1	20	ug/L	03/09/13 21:42	
1,2-Dichloroethane	<0.0900	25.0	25.5	102	26.3	105	55-145	3	20	ug/L	03/09/13 21:42	
1,2-Dichloropropane	<0.122	25.0	26.3	105	26.3	105	75-118	0	20	ug/L	03/09/13 21:42	
1,3,5-Trimethylbenzene	<0.0870	25.0	26.1	104	25.5	102	73-122	2	20	ug/L	03/09/13 21:42	
1,3-Dichlorobenzene	<0.0980	25.0	23.4	94	23.7	95	77-116	1	20	ug/L	03/09/13 21:42	
1,3-Dichloropropane	<0.133	25.0	25.4	102	26.3	105	71-128	3	20	ug/L	03/09/13 21:42	
1,4-Dichlorobenzene	<0.0670	25.0	24.5	98	23.5	94	79-112	4	20	ug/L	03/09/13 21:42	
2,2-Dichloropropane	<0.0970	25.0	18.2	73	17.7	71	62-138	3	20	ug/L	03/09/13 21:42	
2-Butanone (MEK)	<0.378	50.0	56.9	114	53.3	107	34-167	7	20	ug/L	03/09/13 21:42	
2-Chlorotoluene	<0.0880	25.0	25.2	101	24.8	99	71-121	2	20	ug/L	03/09/13 21:42	
2-Hexanone	<0.352	50.0	60.0	120	62.0	124	46-152	3	20	ug/L	03/09/13 21:42	
4-Chlorotoluene	<0.0900	25.0	25.8	103	24.9	100	72-120	4	20	ug/L	03/09/13 21:42	
4-Isopropyltoluene	<0.0890	25.0	25.5	102	24.6	98	75-123	4	20	ug/L	03/09/13 21:42	
4-Methyl-2-pentanone (MIBK)	<0.253	50.0	51.9	104	55.3	111	53-155	6	20	ug/L	03/09/13 21:42	
Acetone	<0.352	50.0	49.3	99	51.8	104	70-130	5	21	ug/L	03/09/13 21:42	
Benzene	<0.119	25.0	24.8	99	26.1	104	64-135	5	20	ug/L	03/09/13 21:42	
Bromobenzene	<0.132	25.0	24.5	98	24.5	98	68-122	0	20	ug/L	03/09/13 21:42	
Bromochloromethane	<0.112	25.0	23.3	93	24.2	97	71-136	4	20	ug/L	03/09/13 21:42	
Bromodichloromethane	<0.124	25.0	26.4	106	27.9	112	71-135	6	20	ug/L	03/09/13 21:42	
Bromoform	<0.159	25.0	26.0	104	26.5	106	75-124	2	20	ug/L	03/09/13 21:42	
Bromomethane	<0.0970	25.0	23.6	94	26.0	104	46-151	10	20	ug/L	03/09/13 21:42	
Carbon tetrachloride	<0.0990	25.0	27.1	108	28.2	113	72-131	4	20	ug/L	03/09/13 21:42	
Chlorobenzene	<0.105	25.0	24.0	96	25.1	100	83-113	4	20	ug/L	03/09/13 21:42	
Chlorodibromomethane	<0.177	25.0	26.0	104	27.4	110	75-135	5	20	ug/L	03/09/13 21:42	
Chloroethane	<0.0420	25.0	23.0	92	23.2	93	42-159	1	20	ug/L	03/09/13 21:42	
Chloroform	4.60	25.0	24.3	79	25.5	84	72-126	5	20	ug/L	03/09/13 21:42	
Chloromethane	<0.0850	25.0	15.1	60	19.6	78	55-133	26	20	ug/L	03/09/13 21:42	F
cis-1,2-Dichloroethene	<0.114	25.0	27.2	109	26.0	104	75-128	5	20	ug/L	03/09/13 21:42	
cis-1,3-Dichloropropene	<0.100	25.0	26.1	104	27.6	110	12-95	6	20	ug/L	03/09/13 21:42	X
Dichlorodifluoromethane	<0.0670	25.0	24.2	97	27.9	112	43-147	14	20	ug/L	03/09/13 21:42	
Ethanol	<3.00	1000	977	98	976	98	42-166	0	20	ug/L	03/09/13 21:42	
Ethylbenzene	<0.0920	25.0	26.0	104	26.5	106	79-120	2	20	ug/L	03/09/13 21:42	
Isopropyl ether	<0.0920	25.0	26.5	106	26.6	106	59-141	0	20	ug/L	03/09/13 21:42	
Isopropylbenzene	<0.0980	25.0	26.9	108	25.8	103	73-121	4	20	ug/L	03/09/13 21:42	
Methyl tert-butyl ether (MTBE)	<0.169	50.0	50.6	101	51.5	103	24-173	2	20	ug/L	03/09/13 21:42	
Methylene Chloride	<0.190	25.0	26.0	104	24.3	97	51-144	7	20	ug/L	03/09/13 21:42	
Naphthalene	<0.0940	25.0	23.8	95	27.0	108	64-136	13	20	ug/L	03/09/13 21:42	
n-Butylbenzene	<0.0600	25.0	25.5	102	25.2	101	70-126	1	20	ug/L	03/09/13 21:42	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by GC/MS by SM6200B** Prep Method: SM6200B_PREP

Seq Number: 908630 Matrix: Water Date Prep: 03/09/2013

Parent Sample Id: 458941-006 MS Sample Id: 458941-006 S MSD Sample Id: 458941-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Propylbenzene	<0.0650	25.0	26.1	104	25.6	102	72-121	2	20	ug/L	03/09/13 21:42	
sec-Butylbenzene	<0.0920	25.0	25.0	100	24.7	99	75-119	1	20	ug/L	03/09/13 21:42	
Styrene	<0.0740	25.0	26.1	104	27.5	110	80-123	5	20	ug/L	03/09/13 21:42	
tert-Butylbenzene	<0.0890	25.0	26.3	105	25.6	102	77-124	3	20	ug/L	03/09/13 21:42	
Tetrachloroethene (PCE)	<0.0540	25.0	25.7	103	27.7	111	72-118	7	20	ug/L	03/09/13 21:42	
Toluene	<0.0570	25.0	25.7	103	26.2	105	56-144	2	20	ug/L	03/09/13 21:42	
trans-1,2-Dichloroethene	<0.188	25.0	25.1	100	25.3	101	55-144	1	20	ug/L	03/09/13 21:42	
trans-1,3-Dichloropropene	<0.110	25.0	27.3	109	27.5	110	10-150	1	20	ug/L	03/09/13 21:42	
Trichloroethene	<0.139	25.0	25.2	101	26.8	107	72-116	6	20	ug/L	03/09/13 21:42	
Trichlorofluoromethane	<0.0540	25.0	21.1	84	23.8	95	48-152	12	20	ug/L	03/09/13 21:42	
Vinyl Acetate	<0.720	25.0	27.1	108	29.3	117	70-130	8	20	ug/L	03/09/13 21:42	
Vinyl Chloride	<0.0810	25.0	20.9	84	28.2	113	56-141	30	20	ug/L	03/09/13 21:42	F
m,p-Xylenes	<0.176	50.0	50.9	102	52.7	105	80-119	3	20	ug/L	03/09/13 21:42	
o-Xylene	<0.122	25.0	25.4	102	26.0	104	77-125	2	20	ug/L	03/09/13 21:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	98		100		53-159	%	03/09/13 21:42
4-Bromofluorobenzene	103		101		30-186	%	03/09/13 21:42
Toluene-D8	102		104		70-130	%	03/09/13 21:42

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A
Seq Number: 908641 Matrix: Solid Date Prep: 03/08/2013
MB Sample Id: 634869-1-BLK LCS Sample Id: 634869-1-BKS LCSD Sample Id: 634869-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.00075	0.050	0.062	124	0.057	114	75-145	8	20	mg/kg	03/08/13 07:31	
1,1,2,2-Tetrachloroethane	<0.0012	0.050	0.032	64	0.032	64	78-120	0	20	mg/kg	03/08/13 07:31	L
1,1,2-Trichloroethane	<0.00067	0.050	0.039	78	0.039	78	81-115	0	20	mg/kg	03/08/13 07:31	L
1,1-Dichloroethane	<0.00080	0.050	0.045	90	0.044	88	73-131	2	20	mg/kg	03/08/13 07:31	
1,1-Dichloroethene	<0.0012	0.050	0.052	104	0.049	98	67-144	6	20	mg/kg	03/08/13 07:31	
1,1-Dichloropropene	<0.00054	0.050	0.055	110	0.052	104	83-141	6	20	mg/kg	03/08/13 07:31	
1,2,3-Trichlorobenzene	<0.00057	0.050	0.050	100	0.052	104	59-168	4	20	mg/kg	03/08/13 07:31	
1,2,3-Trichloropropane	<0.0016	0.050	0.049	98	0.048	96	73-129	2	20	mg/kg	03/08/13 07:31	
1,2,4-Trichlorobenzene	<0.00087	0.050	0.053	106	0.055	110	61-170	4	20	mg/kg	03/08/13 07:31	
1,2,4-Trimethylbenzene	<0.00072	0.050	0.045	90	0.044	88	73-145	2	20	mg/kg	03/08/13 07:31	
1,2-Dibromoethane (EDB)	<0.00086	0.050	0.045	90	0.045	90	81-121	0	20	mg/kg	03/08/13 07:31	
1,2-Dichlorobenzene	<0.0013	0.050	0.048	96	0.048	96	70-146	0	20	mg/kg	03/08/13 07:31	
1,2-Dichloroethane	<0.00060	0.050	0.051	102	0.052	104	63-150	2	20	mg/kg	03/08/13 07:31	
1,2-Dichloropropane	<0.00093	0.050	0.042	84	0.041	82	76-121	2	20	mg/kg	03/08/13 07:31	
1,3,5-Trimethylbenzene	<0.00081	0.050	0.048	96	0.046	92	69-152	4	20	mg/kg	03/08/13 07:31	
1,3-Dichlorobenzene	<0.0010	0.050	0.048	96	0.049	98	73-145	2	20	mg/kg	03/08/13 07:31	
1,3-Dichloropropane	<0.00069	0.050	0.041	82	0.041	82	82-117	0	20	mg/kg	03/08/13 07:31	
1,4-Dichlorobenzene	<0.00068	0.050	0.048	96	0.048	96	74-143	0	20	mg/kg	03/08/13 07:31	
2,2-Dichloropropane	<0.00060	0.050	0.059	118	0.056	112	67-153	5	20	mg/kg	03/08/13 07:31	
2-Butanone (MEK)	<0.0091	0.10	0.067	67	0.067	67	44-158	0	20	mg/kg	03/08/13 07:31	
2-Chlorotoluene	<0.00071	0.050	0.043	86	0.042	84	74-143	2	20	mg/kg	03/08/13 07:31	
2-Hexanone	<0.0011	0.10	0.066	66	0.066	66	59-154	0	20	mg/kg	03/08/13 07:31	
4-Chlorotoluene	<0.00055	0.050	0.046	92	0.046	92	76-140	0	20	mg/kg	03/08/13 07:31	
4-Isopropyltoluene	<0.00080	0.050	0.049	98	0.048	96	50-173	2	20	mg/kg	03/08/13 07:31	
4-Methyl-2-pentanone (MIBK)	<0.0032	0.10	0.075	75	0.074	74	65-132	1	20	mg/kg	03/08/13 07:31	
Acetone	<0.0069	0.10	0.074	74	0.069	69	43-163	7	20	mg/kg	03/08/13 07:31	
Benzene	<0.00051	0.050	0.048	96	0.046	92	82-121	4	20	mg/kg	03/08/13 07:31	
Bromobenzene	<0.00085	0.050	0.038	76	0.038	76	83-120	0	20	mg/kg	03/08/13 07:31	L
Bromochloromethane	<0.0010	0.050	0.054	108	0.053	106	79-126	2	20	mg/kg	03/08/13 07:31	
Bromodichloromethane	<0.00050	0.050	0.054	108	0.053	106	80-135	2	20	mg/kg	03/08/13 07:31	
Bromoform	<0.00096	0.050	0.059	118	0.058	116	71-135	2	20	mg/kg	03/08/13 07:31	
Bromomethane	<0.0025	0.050	0.064	128	0.060	120	51-149	6	20	mg/kg	03/08/13 07:31	
Carbon tetrachloride	<0.00074	0.050	0.070	140	0.067	134	70-156	4	20	mg/kg	03/08/13 07:31	
Chlorobenzene	<0.00058	0.050	0.050	100	0.050	100	76-131	0	20	mg/kg	03/08/13 07:31	
Chlorodibromomethane	<0.00099	0.050	0.057	114	0.058	116	81-136	2	20	mg/kg	03/08/13 07:31	
Chloroethane	<0.0024	0.050	0.054	108	0.055	110	64-131	2	20	mg/kg	03/08/13 07:31	
Chloroform	<0.00074	0.050	0.051	102	0.049	98	78-125	4	20	mg/kg	03/08/13 07:31	
Chloromethane	<0.0023	0.050	0.040	80	0.038	76	59-127	5	20	mg/kg	03/08/13 07:31	
cis-1,2-Dichloroethene	<0.00066	0.050	0.048	96	0.047	94	80-123	2	20	mg/kg	03/08/13 07:31	
cis-1,3-Dichloropropene	<0.00054	0.050	0.051	102	0.051	102	87-123	0	20	mg/kg	03/08/13 07:31	
Dichlorodifluoromethane	<0.0012	0.050	0.053	106	0.050	100	33-161	6	20	mg/kg	03/08/13 07:31	
Ethanol	<0.028	2.0	1.2	60	1.2	60	56-147	0	20	mg/kg	03/08/13 07:31	
Ethylbenzene	<0.00057	0.050	0.049	98	0.048	96	84-129	2	20	mg/kg	03/08/13 07:31	
Isopropyl Ether	<0.0013	0.050	0.038	76	0.037	74	74-125	3	20	mg/kg	03/08/13 07:31	
Isopropylbenzene	<0.00076	0.050	0.047	94	0.045	90	65-153	4	20	mg/kg	03/08/13 07:31	
m,p-Xylenes	<0.00121	0.100	0.102	102	0.100	100	75-141	2	20	mg/kg	03/08/13 07:31	
Methyl tert-butyl ether	<0.00069	0.10	0.093	93	0.092	92	70-131	1	20	mg/kg	03/08/13 07:31	
Methylene chloride	<0.0022	0.050	0.042	84	0.042	84	65-137	0	20	mg/kg	03/08/13 07:31	
Naphthalene	<0.0013	0.050	0.041	82	0.044	88	68-151	7	20	mg/kg	03/08/13 07:31	

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 908641 Matrix: Solid Date Prep: 03/08/2013

MB Sample Id: 634869-1-BLK LCS Sample Id: 634869-1-BKS LCSD Sample Id: 634869-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.00088	0.050	0.046	92	0.044	88	43-199	4	20	mg/kg	03/08/13 07:31	
n-Propylbenzene	<0.00078	0.050	0.045	90	0.043	86	60-161	5	20	mg/kg	03/08/13 07:31	
o-Xylene	<0.000716	0.0500	0.0512	102	0.0502	100	73-141	2	20	mg/kg	03/08/13 07:31	
sec-Butylbenzene	<0.00066	0.050	0.048	96	0.046	92	44-179	4	20	mg/kg	03/08/13 07:31	
Styrene	<0.00074	0.050	0.050	100	0.049	98	82-129	2	20	mg/kg	03/08/13 07:31	
tert-Butylbenzene	<0.00083	0.050	0.050	100	0.048	96	56-163	4	20	mg/kg	03/08/13 07:31	
Tetrachloroethene	<0.0010	0.050	0.066	132	0.063	126	78-144	5	20	mg/kg	03/08/13 07:31	
Toluene	<0.00059	0.050	0.046	92	0.044	88	86-121	4	20	mg/kg	03/08/13 07:31	
trans-1,2-Dichloroethene	<0.00078	0.050	0.050	100	0.048	96	72-132	4	20	mg/kg	03/08/13 07:31	
trans-1,3-Dichloropropene	<0.00067	0.050	0.046	92	0.046	92	82-132	0	20	mg/kg	03/08/13 07:31	
Trichloroethene	<0.00071	0.050	0.054	108	0.052	104	80-126	4	20	mg/kg	03/08/13 07:31	
Trichlorofluoromethane	<0.0035	0.050	0.070	140	0.065	130	55-155	7	20	mg/kg	03/08/13 07:31	
Vinyl acetate	<0.00072	0.050	0.043	86	0.043	86	57-146	0	20	mg/kg	03/08/13 07:31	
Vinyl chloride	<0.0020	0.050	0.048	96	0.043	86	70-130	11	20	mg/kg	03/08/13 07:31	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	97		98		104		50-150	%	03/08/13 07:31
4-Bromofluorobenzene	88		87		87		57-158	%	03/08/13 07:31
Toluene-D8	85		85		86		50-150	%	03/08/13 07:31

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 908641 Matrix: Soil Date Prep: 03/08/2013

Parent Sample Id: 458822-001 MS Sample Id: 458822-001 S MSD Sample Id: 458822-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
1,1,1-Trichloroethane	<0.0010	0.068	0.082	121	0.079	118	62-137	4	20	mg/kg	03/08/13 17:42	
1,1,2,2-Tetrachloroethane	<0.0016	0.068	0.047	69	0.041	61	64-128	14	20	mg/kg	03/08/13 17:42	X
1,1,2-Trichloroethane	<0.00091	0.068	0.054	79	0.049	73	61-130	10	20	mg/kg	03/08/13 17:42	X
1,1-Dichloroethane	<0.0011	0.068	0.061	90	0.058	87	65-136	5	20	mg/kg	03/08/13 17:42	
1,1-Dichloroethene	<0.0016	0.068	0.064	94	0.062	93	33-158	3	20	mg/kg	03/08/13 17:42	
1,1-Dichloropropene	<0.00073	0.068	0.070	103	0.067	100	42-152	4	20	mg/kg	03/08/13 17:42	
1,2,3-Trichlorobenzene	<0.00078	0.068	0.056	82	0.052	78	48-135	7	20	mg/kg	03/08/13 17:42	
1,2,3-Trichloropropane	<0.0022	0.068	0.071	104	0.062	93	58-134	14	20	mg/kg	03/08/13 17:42	
1,2,4-Trichlorobenzene	<0.0012	0.068	0.061	90	0.056	84	43-139	9	20	mg/kg	03/08/13 17:42	
1,2,4-Trimethylbenzene	<0.00097	0.068	0.056	82	0.054	81	66-134	4	20	mg/kg	03/08/13 17:42	
1,2-Dibromoethane (EDB)	<0.0012	0.068	0.063	93	0.055	82	69-132	14	20	mg/kg	03/08/13 17:42	
1,2-Dichlorobenzene	<0.0017	0.068	0.061	90	0.057	85	71-120	7	20	mg/kg	03/08/13 17:42	
1,2-Dichloroethane	<0.00081	0.068	0.072	106	0.066	99	53-140	9	20	mg/kg	03/08/13 17:42	
1,2-Dichloropropane	<0.0013	0.068	0.056	82	0.052	78	68-126	7	20	mg/kg	03/08/13 17:42	
1,3,5-Trimethylbenzene	<0.0011	0.068	0.059	87	0.057	85	67-134	3	20	mg/kg	03/08/13 17:42	
1,3-Dichlorobenzene	<0.0013	0.068	0.062	91	0.058	87	68-127	7	20	mg/kg	03/08/13 17:42	
1,3-Dichloropropane	<0.00093	0.068	0.055	81	0.050	75	70-129	10	20	mg/kg	03/08/13 17:42	X
1,4-Dichlorobenzene	<0.00093	0.068	0.059	87	0.057	85	72-118	3	20	mg/kg	03/08/13 17:42	
2,2-Dichloropropane	<0.00081	0.068	0.077	113	0.075	112	68-151	3	20	mg/kg	03/08/13 17:42	
2-Butanone (MEK)	<0.012	0.14	0.10	71	0.088	63	42-147	13	20	mg/kg	03/08/13 17:42	
2-Chlorotoluene	<0.00096	0.068	0.055	81	0.053	79	68-127	4	20	mg/kg	03/08/13 17:42	
2-Hexanone	<0.0015	0.14	0.093	66	0.081	58	32-142	14	20	mg/kg	03/08/13 17:42	X
4-Chlorotoluene	<0.00075	0.068	0.058	85	0.051	76	68-127	13	20	mg/kg	03/08/13 17:42	
4-Isopropyltoluene	<0.0011	0.068	0.061	90	0.059	88	64-135	3	20	mg/kg	03/08/13 17:42	
4-Methyl-2-pentanone (MIBK)	<0.0044	0.14	0.11	79	0.092	66	34-149	18	20	mg/kg	03/08/13 17:42	
Acetone	<0.0093	0.14	0.14	100	0.14	100	43-163	0	20	mg/kg	03/08/13 17:42	
Benzene	<0.00069	0.068	0.062	91	0.059	88	65-135	5	20	mg/kg	03/08/13 17:42	
Bromobenzene	<0.0012	0.068	0.049	72	0.046	69	67-121	6	20	mg/kg	03/08/13 17:42	X
Bromochloromethane	<0.0014	0.068	0.073	107	0.069	103	66-137	6	20	mg/kg	03/08/13 17:42	
Bromodichloromethane	<0.00068	0.068	0.072	106	0.067	100	60-129	7	20	mg/kg	03/08/13 17:42	
Bromoform	<0.0013	0.068	0.082	121	0.073	109	48-147	12	20	mg/kg	03/08/13 17:42	
Bromomethane	<0.0033	0.068	0.079	116	0.074	110	42-170	7	20	mg/kg	03/08/13 17:42	
Carbon tetrachloride	<0.0010	0.068	0.091	134	0.086	128	54-148	6	20	mg/kg	03/08/13 17:42	
Chlorobenzene	<0.00078	0.068	0.064	94	0.060	90	71-117	6	20	mg/kg	03/08/13 17:42	
Chlorodibromomethane	<0.0013	0.068	0.077	113	0.070	104	59-135	10	20	mg/kg	03/08/13 17:42	
Chloroethane	<0.0033	0.068	0.067	99	0.065	97	44-166	3	20	mg/kg	03/08/13 17:42	
Chloroform	<0.0010	0.068	0.067	99	0.065	97	62-127	3	20	mg/kg	03/08/13 17:42	
Chloromethane	<0.0031	0.068	0.048	71	0.045	67	34-157	6	20	mg/kg	03/08/13 17:42	
cis-1,2-Dichloroethene	<0.00090	0.068	0.064	94	0.060	90	41-155	6	20	mg/kg	03/08/13 17:42	
cis-1,3-Dichloropropene	<0.00073	0.068	0.067	99	0.062	93	63-128	8	20	mg/kg	03/08/13 17:42	
Dichlorodifluoromethane	<0.0016	0.068	0.062	91	0.056	84	16-171	10	20	mg/kg	03/08/13 17:42	
Ethanol	<0.038	2.7	1.6	59	1.4	52	23-148	13	20	mg/kg	03/08/13 17:42	X
Ethylbenzene	<0.00076	0.068	0.063	93	0.059	88	65-139	7	20	mg/kg	03/08/13 17:42	
Isopropyl Ether	<0.0017	0.068	0.051	75	0.049	73	57-138	4	20	mg/kg	03/08/13 17:42	X
Isopropylbenzene	<0.0010	0.068	0.059	87	0.057	85	62-133	3	20	mg/kg	03/08/13 17:42	
m,p-Xylenes	<0.00164	0.135	0.127	94	0.121	90	69-130	5	20	mg/kg	03/08/13 17:42	
Methyl tert-butyl ether	<0.00094	0.14	0.13	93	0.12	86	48-169	8	20	mg/kg	03/08/13 17:42	
Methylene chloride	<0.0029	0.068	0.050	74	0.049	73	17-184	2	20	mg/kg	03/08/13 17:42	
Naphthalene	<0.0018	0.068	0.049	72	0.045	67	27-157	9	20	mg/kg	03/08/13 17:42	X

QC Summary 458977

Mill Creek Environmental Services

Apex Village

Analytical Method: **VOCs by SW-846 8260B** Prep Method: SW5035A

Seq Number: 908641 Matrix: Soil Date Prep: 03/08/2013

Parent Sample Id: 458822-001 MS Sample Id: 458822-001 S MSD Sample Id: 458822-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
n-Butylbenzene	<0.0012	0.068	0.056	82	0.053	79	59-136	6	20	mg/kg	03/08/13 17:42	
n-Propylbenzene	<0.0011	0.068	0.056	82	0.054	81	67-134	4	20	mg/kg	03/08/13 17:42	
o-Xylene	<0.000969	0.0677	0.0637	94	0.0614	91	71-124	4	20	mg/kg	03/08/13 17:42	
sec-Butylbenzene	<0.00089	0.068	0.058	85	0.056	84	65-131	4	20	mg/kg	03/08/13 17:42	
Styrene	<0.0010	0.068	0.062	91	0.060	90	50-143	3	20	mg/kg	03/08/13 17:42	
tert-Butylbenzene	<0.0011	0.068	0.062	91	0.060	90	67-131	3	20	mg/kg	03/08/13 17:42	
Tetrachloroethene	<0.0014	0.068	0.093	137	0.081	121	42-156	14	20	mg/kg	03/08/13 17:42	
Toluene	<0.00080	0.068	0.059	87	0.056	84	65-128	5	20	mg/kg	03/08/13 17:42	X
trans-1,2-Dichloroethene	<0.0011	0.068	0.065	96	0.063	94	57-143	3	20	mg/kg	03/08/13 17:42	
trans-1,3-Dichloropropene	<0.00091	0.068	0.061	90	0.057	85	55-141	7	20	mg/kg	03/08/13 17:42	
Trichloroethene	<0.00096	0.068	0.070	103	0.065	97	39-150	7	20	mg/kg	03/08/13 17:42	
Trichlorofluoromethane	<0.0048	0.068	0.084	124	0.081	121	34-179	4	20	mg/kg	03/08/13 17:42	
Vinyl acetate	<0.00098	0.068	0.045	66	0.038	57	13-188	17	20	mg/kg	03/08/13 17:42	
Vinyl chloride	<0.0027	0.068	0.061	90	0.057	85	40-161	7	20	mg/kg	03/08/13 17:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,2-Dichloroethane-D4	110		104		50-150	%	03/08/13 17:42
4-Bromofluorobenzene	88		87		57-158	%	03/08/13 17:42
Toluene-D8	84		84		50-150	%	03/08/13 17:42

XENCO Laboratories
Florida Testing Services, LLC

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634859-1-BLK** Matrix: **WATER**
Lab Sample Id: **634859-1-BLK**

Analytical Method: VOCs by GC/MS by SM6200B Prep Method: SM6200B_PREP

Date Analyzed: Mar-09-13 15:37 Analyst: 4124 Date Prep: Mar-09-13 11:56 Tech: 4124
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.500	0.0760	ug/L	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.500	0.0700	ug/L	U	1
1,1,2-Trichloroethane	79-00-5	U	0.500	0.113	ug/L	U	1
1,1-Dichloroethane	75-34-3	U	0.500	0.121	ug/L	U	1
1,1-Dichloroethene	75-35-4	U	0.500	0.104	ug/L	U	1
1,1-Dichloropropene	563-58-6	U	0.500	0.0600	ug/L	U	1
1,2,3-Trichlorobenzene	87-61-6	U	2.00	0.118	ug/L	U	1
1,2,3-Trichloropropane	96-18-4	U	1.00	0.138	ug/L	U	1
1,2,4-Trichlorobenzene	120-82-1	U	1.00	0.0690	ug/L	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.500	0.103	ug/L	U	1
1,2-Dibromoethane (EDB)		U	1.00	0.180	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	0.500	0.0940	ug/L	U	1
1,2-Dichloroethane	107-06-2	U	0.500	0.0900	ug/L	U	1
1,2-Dichloropropane	78-87-5	U	0.500	0.122	ug/L	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.500	0.0870	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	0.500	0.0980	ug/L	U	1
1,3-Dichloropropane	142-28-9	U	0.500	0.133	ug/L	U	1
1,4-Dichlorobenzene	106-46-7	U	0.500	0.0670	ug/L	U	1
2,2-Dichloropropane	594-20-7	U	0.200	0.0970	ug/L	U	1
2-Butanone (MEK)	78-93-3	U	20.0	0.378	ug/L	U	1
2-Chlorotoluene	95-49-8	U	0.200	0.0880	ug/L	U	1
2-Hexanone	591-78-6	U	0.400	0.352	ug/L	U	1
4-Chlorotoluene	106-43-4	U	0.500	0.0900	ug/L	U	1
4-Isopropyltoluene	99-87-6	U	0.500	0.0890	ug/L	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.400	0.253	ug/L	U	1
Acetone	67-64-1	U	2.00	0.352	ug/L	U	1
Benzene	71-43-2	U	0.500	0.119	ug/L	U	1
Bromobenzene	108-86-1	U	0.500	0.132	ug/L	U	1
Bromochloromethane	74-97-5	U	0.500	0.112	ug/L	U	1
Bromodichloromethane	75-27-4	U	0.500	0.124	ug/L	U	1
Bromoform	75-25-2	U	2.00	0.159	ug/L	U	1
Bromomethane	74-83-9	U	1.00	0.0970	ug/L	U	1
Carbon tetrachloride	56-23-5	U	0.500	0.0990	ug/L	U	1
Chlorobenzene	108-90-7	U	0.500	0.105	ug/L	U	1
Chlorodibromomethane	124-48-1	U	0.500	0.177	ug/L	U	1
Chloroethane	75-00-3	U	0.500	0.0420	ug/L	U	1
Chloroform	67-66-3	U	0.500	0.172	ug/L	U	1
Chloromethane	74-87-3	U	0.500	0.0850	ug/L	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.500	0.114	ug/L	U	1
cis-1,3-Dichloropropene	10061-01-5	U	1.00	0.100	ug/L	U	1
Dichlorodifluoromethane	75-71-8	U	1.00	0.0670	ug/L	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634859-1-BLK** Matrix: **WATER**
Lab Sample Id: **634859-1-BLK**

Analytical Method: VOCs by GC/MS by SM6200B Prep Method: SM6200B_PREP

Date Analyzed: Mar-09-13 15:37 Analyst: 4124 Date Prep: Mar-09-13 11:56 Tech: 4124
Seq Number: 908630

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Ethanol	64-17-5	U	50.0	3.00	ug/L	U	1
Ethylbenzene	100-41-4	U	0.500	0.0920	ug/L	U	1
Isopropyl ether	108-20-3	U	0.500	0.0920	ug/L	U	1
Isopropylbenzene	98-82-8	U	0.500	0.0980	ug/L	U	1
Methyl tert-butyl ether (MTBE)	1634-04-4	U	0.500	0.169	ug/L	U	1
Methylene Chloride	75-09-2	U	0.500	0.190	ug/L	U	1
Naphthalene	91-20-3	U	2.00	0.0940	ug/L	U	1
n-Butylbenzene	104-51-8	U	2.00	0.0600	ug/L	U	1
n-Propylbenzene	103-65-1	U	1.00	0.0650	ug/L	U	1
sec-Butylbenzene	135-98-8	U	0.500	0.0920	ug/L	U	1
Styrene	100-42-5	U	0.500	0.0740	ug/L	U	1
tert-Butylbenzene	98-06-6	U	0.500	0.0890	ug/L	U	1
Tetrachloroethene (PCE)	127-18-4	U	0.500	0.0540	ug/L	U	1
Toluene	108-88-3	U	0.500	0.0570	ug/L	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.500	0.188	ug/L	U	1
trans-1,3-Dichloropropene	10061-02-6	U	1.00	0.110	ug/L	U	1
Trichloroethene	79-01-6	U	0.500	0.139	ug/L	U	1
Trichlorofluoromethane	75-69-4	U	0.500	0.0540	ug/L	U	1
Vinyl Acetate	108-05-4	U	1.00	0.720	ug/L	U	1
Vinyl Chloride	75-01-4	U	0.500	0.0810	ug/L	U	1
m,p-Xylenes	179601-23-1	U	1.00	0.176	ug/L	U	1
o-Xylene	95-47-6	U	0.500	0.122	ug/L	U	1

Project: NCDENR Sites

Version: 1.023

XENCO Laboratories
Florida Testing Services, LLC

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634869-1-BLK** Matrix: **SOLID**
Lab Sample Id: **634869-1-BLK**

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035A

Date Analyzed: Mar-08-13 09:23 Analyst: MLA Date Prep: Mar-08-13 06:42 Tech: BAT
Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,1,1-Trichloroethane	71-55-6	U	0.0010	0.00075	mg/kg	U	1
1,1,2,2-Tetrachloroethane	79-34-5	U	0.0020	0.0012	mg/kg	U	1
1,1,2-Trichloroethane	79-00-5	U	0.0010	0.00067	mg/kg	U	1
1,1-Dichloroethane	75-34-3	U	0.0010	0.00080	mg/kg	U	1
1,1-Dichloroethene	75-35-4	U	0.0020	0.0012	mg/kg	U	1
1,1-Dichloropropene	563-58-6	U	0.0010	0.00054	mg/kg	U	1
1,2,3-Trichlorobenzene	87-61-6	U	0.0010	0.00057	mg/kg	U	1
1,2,3-Trichloropropane	96-18-4	U	0.0020	0.0016	mg/kg	U	1
1,2,4-Trichlorobenzene	120-82-1	U	0.0010	0.00087	mg/kg	U	1
1,2,4-Trimethylbenzene	95-63-6	U	0.0010	0.00072	mg/kg	U	1
1,2-Dibromoethane (EDB)	106-93-4	U	0.0010	0.00086	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.0020	0.0013	mg/kg	U	1
1,2-Dichloroethane	107-06-2	U	0.0010	0.00060	mg/kg	U	1
1,2-Dichloropropane	78-87-5	U	0.0010	0.00093	mg/kg	U	1
1,3,5-Trimethylbenzene	108-67-8	U	0.0010	0.00081	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.0010	0.00100	mg/kg	U	1
1,3-Dichloropropane	142-28-9	U	0.0010	0.00069	mg/kg	U	1
1,4-Dichlorobenzene	106-46-7	U	0.0010	0.00068	mg/kg	U	1
2,2-Dichloropropane	594-20-7	U	0.0010	0.00060	mg/kg	U	1
2-Butanone (MEK)	78-93-3	U	0.010	0.0091	mg/kg	U	1
2-Chlorotoluene	95-49-8	U	0.0010	0.00071	mg/kg	U	1
2-Hexanone	591-78-6	U	0.010	0.0011	mg/kg	U	1
4-Chlorotoluene	106-43-4	U	0.0010	0.00055	mg/kg	U	1
4-Isopropyltoluene	99-87-6	U	0.0010	0.00080	mg/kg	U	1
4-Methyl-2-pentanone (MIBK)	108-10-1	U	0.010	0.0032	mg/kg	U	1
Acetone	67-64-1	U	0.010	0.0069	mg/kg	U	1
Benzene	71-43-2	U	0.0010	0.00051	mg/kg	U	1
Bromobenzene	108-86-1	U	0.0010	0.00085	mg/kg	U	1
Bromochloromethane	74-97-5	U	0.0020	0.0010	mg/kg	U	1
Bromodichloromethane	75-27-4	U	0.0010	0.00050	mg/kg	U	1
Bromoform	75-25-2	U	0.0010	0.00096	mg/kg	U	1
Bromomethane	74-83-9	U	0.0050	0.0025	mg/kg	U	1
Carbon tetrachloride	56-23-5	U	0.0010	0.00074	mg/kg	U	1
Chlorobenzene	108-90-7	U	0.0010	0.00058	mg/kg	U	1
Chlorodibromomethane	124-48-1	U	0.0010	0.00099	mg/kg	U	1
Chloroethane	75-00-3	U	0.0050	0.0024	mg/kg	U	1
Chloroform	67-66-3	U	0.0010	0.00074	mg/kg	U	1
Chloromethane	74-87-3	U	0.0050	0.0023	mg/kg	U	1
cis-1,2-Dichloroethene	156-59-2	U	0.0010	0.00066	mg/kg	U	1
cis-1,3-Dichloropropene	10061-01-5	U	0.0010	0.00054	mg/kg	U	1
Dichlorodifluoromethane	75-71-8	U	0.0020	0.0012	mg/kg	U	1

Project: NCDENR Sites

Version: 1.023

XENCO Laboratories
Florida Testing Services, LLC

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634869-1-BLK** Matrix: **SOLID**
Lab Sample Id: **634869-1-BLK**

Analytical Method: VOCs by SW-846 8260B Prep Method: SW5035A

Date Analyzed: Mar-08-13 09:23 Analyst: MLA Date Prep: Mar-08-13 06:42 Tech: BAT
Seq Number: 908641

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Ethanol	64-17-5	U	0.050	0.028	mg/kg	U	1
Ethylbenzene	100-41-4	U	0.0010	0.00057	mg/kg	U	1
Isopropyl Ether	108-20-3	U	0.0020	0.0013	mg/kg	U	1
Isopropylbenzene	98-82-8	U	0.0010	0.00076	mg/kg	U	1
m,p-Xylenes	179601-23-1	U	0.00200	0.00121	mg/kg	U	1
Methyl tert-butyl ether	1634-04-4	U	0.0020	0.00069	mg/kg	U	1
Methylene chloride	75-09-2	U	0.0050	0.0022	mg/kg	U	1
Naphthalene	91-20-3	U	0.0020	0.0013	mg/kg	U	1
n-Butylbenzene	104-51-8	U	0.0010	0.00088	mg/kg	U	1
n-Propylbenzene	103-65-1	U	0.0010	0.00078	mg/kg	U	1
o-Xylene	95-47-6	U	0.00100	0.000716	mg/kg	U	1
sec-Butylbenzene	135-98-8	U	0.0010	0.00066	mg/kg	U	1
Styrene	100-42-5	U	0.0010	0.00074	mg/kg	U	1
tert-Butylbenzene	98-06-6	U	0.0010	0.00083	mg/kg	U	1
Tetrachloroethene	127-18-4	U	0.0020	0.0010	mg/kg	U	1
Toluene	108-88-3	U	0.0010	0.00059	mg/kg	U	1
trans-1,2-Dichloroethene	156-60-5	U	0.0010	0.00078	mg/kg	U	1
trans-1,3-Dichloropropene	10061-02-6	U	0.0010	0.00067	mg/kg	U	1
Trichloroethene	79-01-6	U	0.0010	0.00071	mg/kg	U	1
Trichlorofluoromethane	75-69-4	U	0.0050	0.0035	mg/kg	U	1
Vinyl acetate	108-05-4	U	0.0050	0.00072	mg/kg	U	1
Vinyl chloride	75-01-4	U	0.0050	0.0020	mg/kg	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634986-1-BLK** Matrix: **SOLID**
Lab Sample Id: **634986-1-BLK**

Analytical Method: TPH (Gasoline Range Organics) by SW8015B Prep Method: SW5030B

Date Analyzed: Mar-11-13 10:36 Analyst: MLA Date Prep: Mar-11-13 09:00 Tech: BAT
Seq Number: 908806

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
TPH-GRO	8006-61-9	U	10	1.5	mg/kg	U	50

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **634998-1-BLK** Matrix: **SOLID**
Lab Sample Id: **634998-1-BLK**

Analytical Method: TPH-Diesel Range Organics by SW-846 8015B Prep Method: SW3550

Date Analyzed: Mar-12-13 16:51 Analyst: NTR Date Prep: Mar-12-13 10:00 Tech: BRO
Seq Number: 908862

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
TPH-DRO	68334-30-5	U	10.0	2.56	mg/kg	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635024-1-BLK** Matrix: **WATER**
Lab Sample Id: **635024-1-BLK**

Analytical Method: SVOCs by EPA 625M + 10 TICs Prep Method: SW3510C

Date Analyzed: Mar-13-13 12:35 Analyst: NTR Date Prep: Mar-11-13 14:00 Tech: BRO
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	10.0	1.43	ug/L	U	1
1,2-Dichlorobenzene	95-50-1	U	10.0	1.83	ug/L	U	1
1,2-Diphenylhydrazine (as Azobenzene)	122-66-7	U	50.0	4.76	ug/L	U	1
1,3-Dichlorobenzene	541-73-1	U	10.0	2.11	ug/L	U	1
1,3-Dinitrobenzene	99-65-0	U	10.0	20.1	ug/L	U	1
2,4,6-Trichlorophenol	88-06-2	U	10.0	1.64	ug/L	U	1
2,4-Dichlorophenol	120-83-2	U	10.0	1.78	ug/L	U	1
2,4-Dimethylphenol	105-67-9	U	10.0	1.63	ug/L	U	1
2,4-Dinitrophenol	51-28-5	U	50.0	7.11	ug/L	U	1
2,4-Dinitrotoluene	121-14-2	U	10.0	2.14	ug/L	U	1
2,6-Dinitrotoluene	606-20-2	U	10.0	2.72	ug/L	U	1
2-Chloronaphthalene	91-58-7	U	10.0	1.29	ug/L	U	1
2-Chlorophenol	95-57-8	U	10.0	1.83	ug/L	U	1
2-Methylnaphthalene	91-57-6	U	10.0	1.19	ug/L	U	1
2-Methylphenol	95-48-7	U	10.0	2.00	ug/L	U	1
2-Nitrophenol	88-75-5	U	10.0	1.95	ug/L	U	1
3&4-Methylphenol	15831-10-4	U	10.0	2.55	ug/L	U	1
3,3-Dichlorobenzidine	91-94-1	U	20.0	3.88	ug/L	U	1
4,6-Dinitro-2-methyl phenol	534-52-1	U	50.0	1.40	ug/L	U	1
4-Bromophenyl phenyl ether	101-55-3	U	10.0	2.12	ug/L	U	1
4-Chloro-3-methylphenol	59-50-7	U	20.0	2.18	ug/L	U	1
4-Chloroaniline	106-47-8	U	10.0	3.09	ug/L	U	1
4-Chlorophenyl phenyl ether	7005-72-3	U	10.0	1.35	ug/L	U	1
4-Nitrophenol	100-02-7	U	50.0	2.41	ug/L	U	1
Acenaphthene	83-32-9	U	10.0	1.43	ug/L	U	1
Acenaphthylene	208-96-8	U	10.0	1.48	ug/L	U	1
Anthracene	120-12-7	U	10.0	2.01	ug/L	U	1
Benzo(a)anthracene	56-55-3	U	10.0	1.90	ug/L	U	1
Benzo(a)pyrene	50-32-8	U	10.0	1.80	ug/L	U	1
Benzo(b)fluoranthene	205-99-2	U	10.0	1.97	ug/L	U	1
Benzo(g,h,i)perylene	191-24-2	U	10.0	1.97	ug/L	U	1
Benzo(k)fluoranthene	207-08-9	U	10.0	2.71	ug/L	U	1
Benzoic acid	65-85-0	U	50.0	2.21	ug/L	U	1
Benzyl alcohol	100-51-6	U	20.0	1.23	ug/L	U	1
Bis(2-chloroethoxy) methane	111-91-1	U	10.0	1.25	ug/L	U	1
Bis(2-chloroethyl) ether	111-44-4	U	10.0	1.78	ug/L	U	1
Bis(2-chloroisopropyl) ether	39638-32-9	U	10.0	1.24	ug/L	U	1
Bis(2-ethylhexyl) phthalate	117-81-7	U	10.0	1.20	ug/L	U	1
Butyl benzyl phthalate	85-68-7	U	10.0	1.82	ug/L	U	1
Chrysene	218-01-9	U	10.0	2.09	ug/L	U	1
Dibenz(a,h)anthracene	53-70-3	U	10.0	1.83	ug/L	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635024-1-BLK** Matrix: **WATER**
Lab Sample Id: **635024-1-BLK**

Analytical Method: SVOCs by EPA 625M + 10 TICs Prep Method: SW3510C

Date Analyzed: Mar-13-13 12:35 Analyst: NTR Date Prep: Mar-11-13 14:00 Tech: BRO
Seq Number: 908927

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Dibenzofuran	132-64-9	U	10.0	1.64	ug/L	U	1
Diethyl phthalate	84-66-2	U	10.0	1.90	ug/L	U	1
Dimethyl phthalate	131-11-3	U	10.0	1.97	ug/L	U	1
Di-n-butyl phthalate	84-74-2	U	10.0	2.08	ug/L	U	1
Di-n-octyl phthalate	117-84-0	U	10.0	1.38	ug/L	U	1
Fluoranthene	206-44-0	U	10.0	1.81	ug/L	U	1
Fluorene	86-73-7	U	10.0	1.56	ug/L	U	1
Hexachlorobenzene	118-74-1	U	10.0	2.21	ug/L	U	1
Hexachlorobutadiene	87-68-3	U	10.0	1.78	ug/L	U	1
Hexachlorocyclopentadiene	77-47-4	U	10.0	1.87	ug/L	U	1
Hexachloroethane	67-72-1	U	10.0	2.38	ug/L	U	1
Indeno(1,2,3-c,d)pyrene	193-39-5	U	10.0	1.87	ug/L	U	1
Isophorone	78-59-1	U	10.0	1.41	ug/L	U	1
Naphthalene	91-20-3	U	10.0	1.52	ug/L	U	1
Nitrobenzene	98-95-3	U	10.0	1.49	ug/L	U	1
N-Nitrosodi-n-propylamine	621-64-7	U	10.0	1.36	ug/L	U	1
N-Nitrosodiphenylamine	86-30-6	U	10.0	2.50	ug/L	U	1
Pentachlorophenol	87-86-5	U	50.0	2.26	ug/L	U	1
Phenanthrene	85-01-8	U	10.0	2.04	ug/L	U	1
Phenol	108-95-2	U	10.0	1.76	ug/L	U	1
Pyrene	129-00-0	U	10.0	2.40	ug/L	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635025-1-BLK** Matrix: **WATER**
Lab Sample Id: **635025-1-BLK**

Analytical Method: MADEP VPH REV 1.1 Prep Method: SW5030B

Date Analyzed: Mar-12-13 12:21 Analyst: MLA Date Prep: Mar-12-13 08:40 Tech: BAT
Seq Number: 908874

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
C5-C8 Aliphatics (Unadj.)	ALHYDRC5(	U	15.0	15.0	ug/L	U	1
C9-C10 Aromatics (Unadj.)	HYDC9C10	U	5.00	5.00	ug/L	U	1
C9-C12 Aliphatics (Unadj.)	ALHYDRC9(	U	15.0	15.0	ug/L	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635089-1-BLK** Matrix: **SOLID**
Lab Sample Id: **635089-1-BLK**

Analytical Method: SVOCs by SW-846 8270D Prep Method: SW3550

Date Analyzed: Mar-13-13 23:37 Analyst: NTR Date Prep: Mar-13-13 10:00 Tech: BRO
Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
1,2,4-Trichlorobenzene	120-82-1	U	0.333	0.0590	mg/kg	U	1
1,2-Dichlorobenzene	95-50-1	U	0.333	0.0540	mg/kg	U	1
1,2-Diphenylhydrazine	122-66-7	U	0.333	0.0367	mg/kg	U	1
1,3-Dichlorobenzene	541-73-1	U	0.333	0.0527	mg/kg	U	1
1,4-Dichlorobenzene	106-46-7	U	0.333	0.0520	mg/kg	U	1
2,4,6-Trichlorophenol	88-06-2	U	0.333	0.0643	mg/kg	U	1
2,4-Dichlorophenol	120-83-2	U	0.333	0.0423	mg/kg	U	1
2,4-Dimethylphenol	105-67-9	U	0.333	0.0607	mg/kg	U	1
2,4-Dinitrophenol	51-28-5	U	0.333	0.0537	mg/kg	U	1
2,4-Dinitrotoluene	121-14-2	U	0.333	0.0537	mg/kg	U	1
2,6-Dinitrotoluene	606-20-2	U	0.333	0.0433	mg/kg	U	1
2-Chloronaphthalene	91-58-7	U	0.333	0.0607	mg/kg	U	1
2-Chlorophenol	95-57-8	U	0.333	0.0597	mg/kg	U	1
2-Methylnaphthalene	91-57-6	U	0.333	0.0510	mg/kg	U	1
2-methylphenol	95-48-7	U	0.333	0.0467	mg/kg	U	1
2-Nitrophenol	88-75-5	U	0.333	0.0420	mg/kg	U	1
3&4-Methylphenol	15831-10-4	U	0.333	0.0987	mg/kg	U	1
3,3-Dichlorobenzidine	91-94-1	U	0.333	0.0487	mg/kg	U	1
4,6-dinitro-2-methyl phenol	534-52-1	U	0.333	0.0580	mg/kg	U	1
4-Bromophenyl-phenylether	101-55-3	U	0.333	0.0567	mg/kg	U	1
4-chloro-3-methylphenol	59-50-7	U	0.333	0.0477	mg/kg	U	1
4-Chloroaniline	106-47-8	U	0.333	0.0553	mg/kg	U	1
4-Chlorophenyl Phenyl Ether	7005-72-3	U	0.333	0.0633	mg/kg	U	1
4-Nitrophenol	100-02-7	U	0.333	0.0410	mg/kg	U	1
Acenaphthene	83-32-9	U	0.333	0.0467	mg/kg	U	1
Acenaphthylene	208-96-8	U	0.333	0.0567	mg/kg	U	1
Anthracene	120-12-7	U	0.333	0.0493	mg/kg	U	1
Benzo(a)anthracene	56-55-3	U	0.333	0.0540	mg/kg	U	1
Benzo(a)pyrene	50-32-8	U	0.333	0.0490	mg/kg	U	1
Benzo(b)fluoranthene	205-99-2	U	0.333	0.0543	mg/kg	U	1
Benzo(g,h,i)perylene	191-24-2	U	0.333	0.0550	mg/kg	U	1
Benzo(k)fluoranthene	207-08-9	U	0.333	0.0573	mg/kg	U	1
Benzoic Acid	65-85-0	U	0.333	0.0527	mg/kg	U	1
Benzyl Alcohol	100-51-6	U	0.333	0.0533	mg/kg	U	1
bis(2-chloroethoxy) methane	111-91-1	U	0.333	0.0400	mg/kg	U	1
bis(2-chloroethyl) ether	111-44-4	U	0.333	0.0473	mg/kg	U	1
bis(2-chloroisopropyl) ether	39638-32-9	U	0.333	0.0450	mg/kg	U	1
bis(2-ethylhexyl) phthalate	117-81-7	U	0.333	0.0540	mg/kg	U	1
Butylbenzylphthalate	85-68-7	U	0.333	0.0500	mg/kg	U	1
Chrysene	218-01-9	U	0.333	0.0443	mg/kg	U	1
Dibenz(a,h)Anthracene	53-70-3	U	0.333	0.0647	mg/kg	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635089-1-BLK** Matrix: **SOLID**
Lab Sample Id: **635089-1-BLK**

Analytical Method: SVOCs by SW-846 8270D Prep Method: SW3550

Date Analyzed: Mar-13-13 23:37 Analyst: NTR Date Prep: Mar-13-13 10:00 Tech: BRO
Seq Number: 908960

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Dibenzofuran	132-64-9	U	0.333	0.0427	mg/kg	U	1
Diethyl Phthalate	84-66-2	U	0.333	0.0537	mg/kg	U	1
Dimethyl Phthalate	131-11-3	U	0.333	0.0503	mg/kg	U	1
di-n-Butyl Phthalate	84-74-2	U	0.333	0.0613	mg/kg	U	1
di-n-Octyl Phthalate	117-84-0	U	0.333	0.0553	mg/kg	U	1
Fluoranthene	206-44-0	U	0.333	0.0433	mg/kg	U	1
Fluorene	86-73-7	U	0.333	0.0407	mg/kg	U	1
Hexachlorobenzene	118-74-1	U	0.333	0.0557	mg/kg	U	1
Hexachlorobutadiene	87-68-3	U	0.333	0.0370	mg/kg	U	1
Hexachlorocyclopentadiene	77-47-4	U	0.333	0.0573	mg/kg	U	1
Hexachloroethane	67-72-1	U	0.333	0.0517	mg/kg	U	1
Indeno(1,2,3-c,d)Pyrene	193-39-5	U	0.333	0.0607	mg/kg	U	1
Isophorone	78-59-1	U	0.333	0.0343	mg/kg	U	1
Naphthalene	91-20-3	U	0.333	0.0533	mg/kg	U	1
Nitrobenzene	98-95-3	U	0.333	0.0593	mg/kg	U	1
N-Nitrosodi-n-Propylamine	621-64-7	U	0.333	0.0477	mg/kg	U	1
N-Nitrosodiphenylamine	86-30-6	U	0.333	0.0700	mg/kg	U	1
Pentachlorophenol	87-86-5	U	0.333	0.0603	mg/kg	U	1
Phenanthrene	85-01-8	U	0.333	0.0553	mg/kg	U	1
Phenol	108-95-2	U	0.333	0.0467	mg/kg	U	1
Pyrene	129-00-0	U	0.333	0.0567	mg/kg	U	1

Project: NCDENR Sites

Version: 1.023

Blank Summary 458977

Mill Creek Environmental Services, Dawsonville, GA

Apex Village

Sample Id: **635134-1-BLK** Matrix: **WATER**
Lab Sample Id: **635134-1-BLK**

Analytical Method: EPH by MADEP Method Prep Method: SW3520C

Date Analyzed: Mar-14-13 17:21 Analyst: NTR Date Prep: Mar-11-13 10:00 Tech: BRO
Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Unadjusted C9-C18 Aliphatics	ALHYDRC9	U	200	200	ug/L	U	1
Unadjusted C19-C36 Aliphatics	ALHYDRC1	U	200	200	ug/L	U	1

Analytical Method: EPH by MADEP Method Prep Method: SW3520C

Date Analyzed: Mar-15-13 11:34 Analyst: NTR Date Prep: Mar-11-13 10:00 Tech: BRO
Seq Number: 909088

Parameter	Cas Number	Result	RL	MDL	Units	Flag	Dil
Unadjusted C11-C22 Aromatics	C11C22	U	200	200	ug/L	U	1

WO#458977

Chain of Custody Record

Page 1 of 1

Mill Creek Environmental Services, Inc.
1818 Perimeter Rd.
Dawsonville, GA 30534
Phone: 706-579-1607
Fax: 706-265-4916

ENVIRONMENTAL SERVICES

Client: Apex Village	MCES Project #: AV-1301-3
Send Report To: Mill Creek Environmental Services, Inc. 1818 Perimeter Rd. Dawsonville, GA 30534	
Attn: Dan Centofanti	Acct. #:
Phone: 706-579-1607	Shipping Method: COURIER
Fax: 706-265-4916	Airbill #:
Sampled By: DK	Signature: [signature]
Turnaround Time: ( ) Standard (X) Rush 24 hr.	

Requested Parameters

Sample ID	Date	Time	Grab (G) Comp. (C)	Matrix	VOC 8260B	SVOC 8270C	EPA 6200	EPA 625 B/N + 10 peaks	VPH	EPH	RCRA Metals + Pb and Cr 3030C Prep	PAH 8270C	TPH GRO 8015	TPH DRO 8015	602 + X			# and type of containers: HCL	NaHSO4	H2SO4	NaOH	MeOH	None	Remarks
SB-7, 4-8'	3-8-13	0800	G	S	X	X							X	X					2			3	3	
SB-7	3-8-13	0830	G	W				X	X	X					X			6					4	
SB-8	3-8-13	0900	G	W			X	X										3					2	

Comments: 24-HR ON ALL VOCS
TAT ON ALL

Relinquished By:	Date:	Time:	Received By:			Date:	Time:
[signature]	3-8-13	0915	Dario Lagmar			3/8/13	15:50
Relinquished By:	Date:	Time:	Received By:			Date:	Time:

XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Mill Creek Environmental Services

Date/ Time Received: 03/08/2013 03:50:00 PM

Work Order #: 458977

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : #61

Sample Receipt Checklist		Comments
#1 *Temperature of cooler(s)?	2	
#2 *Shipping container in good condition?	**Yes**	
#3 *Samples received on ice?	**Yes**	
#4 *Custody Seals intact on shipping container/ cooler?	**N/A**	
#5 Custody Seals intact on sample bottles?	**N/A**	
#6 *Custody Seals Signed and dated?	**N/A**	
#7 *Chain of Custody present?	**Yes**	
#8 Sample instructions complete on Chain of Custody?	**Yes**	
#9 Any missing/extra samples?	**No**	
#10 Chain of Custody signed when relinquished/ received?	**Yes**	
#11 Chain of Custody agrees with sample label(s)?	**Yes**	
#12 Container label(s) legible and intact?	**Yes**	
#13 Sample matrix/ properties agree with Chain of Custody?	**Yes**	
#14 Samples in proper container/ bottle?	**Yes**	
#15 Samples properly preserved?	**Yes**	
#16 Sample container(s) intact?	**Yes**	
#17 Sufficient sample amount for indicated test(s)?	**Yes**	
#18 All samples received within hold time?	**Yes**	
#19 Subcontract of sample(s)?	**No**	
#20 VOC samples have zero headspace (less than 1/4 inch bubble)?	**Yes**	
#21 <2 for all samples preserved with HNO3,HCL, H2SO4?	**Yes**	
#22 >10 for all samples preserved with NaAsO2+NaOH, ZnAc+NaOH?	**N/A**	

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst: DL	PH Device/Lot#: I16497-7

Checklist completed by: Dario Lagunas Date: 03/09/2013

Checklist reviewed by: Eben Buchanan Date: 03/11/2013

APPENDIX G

20-DAY REPORT (UST CLOSURE REPORT)
HIGHLANDS ENVIRONMENTAL SOLUTIONS, INC
MAY 10, 2013

Highlands Environmental Solutions, Inc.

8410-D Falls of Neuse Road; Raleigh, NC 27615
Phone: 919-848-3155 / Fax: 919-848-4265 / www.hesnc.com

May 10, 2013

Mr. Mark Powers
NCDENR – Raleigh Regional Office
3800 Barrett Drive
Raleigh, NC 27609

Subject: Submittal of 20-Day Report
Apex Tire and Automotive – Used Oil Release
548 E. Williams Street, Apex, Wake County, NC
HES Project #107034

Dear Mr. Powers:

On behalf of Environmental Products and Services of Vermont, Inc., Apex Tire and Automotive, and New Falls Property, LLC, please find enclosed an original copy of our *20-Day Report* for a used oil release incident that occurred at 548 E. Williams Street, Apex, Wake County, North Carolina. The release occurred as a result of failure of the UST and piping/joints associated with UST system. Review of the analytical data for the confirmation samples indicates the following:

- The concentrations of GRO and DRO in the cradle sample were greater than the State Action Limit of 10 mg/Kg;
- The concentrations of total chromium in samples T2E SW, T2E WW, T2E F, T2E NW, and T2E EW were greater than the NCDENR Soil-to-Water MSCC of 5.4 mg/Kg;
- The concentrations of 1-methylnaphthalene in three samples were greater than the NCDENR Soil to Water MSCC of 0.004 mg/Kg; and
- The concentration of C9-C22 Aromatics in one sample was greater than the NCDENR Soil to Water MSCC of 31 mg/Kg.

Due to the discovery of petroleum impacts, HES immediately filed a NCDENR UST-61 Form; 24-Hour Release and UST Leak Reporting Form. A NCDENR UST-2 Form: Site Investigation Report for Permanent Closure or Change in Service of UST is included in **Appendix G** of this report.

If there are any questions regarding this correspondence, or the project in general, please contact Joe Beaman, P.G. or me at (919) 848-3155.

Sincerely,

Highlands Environmental Solutions, Inc.

Sandra K Miller

Sandra Miller
Project Scientist

Enclosure

cc: Mr. Art Davis – Environmental Products and Services of Vermont, Inc. (2 copies)
File

20-DAY REPORT

Site Information

1. *Site Identification:*

Date of Report:	May 10, 2013
Facility ID:	Not Assigned
UST Incident Number:	Not Assigned
Site Risk:	Not Assigned
Site Name:	Southern Tire and Automotive
Site Street Address:	548 E. Williams Street
City/ Town	Apex, NC
Zip Code	27502 *County* Wake
Description of Geographical Data Point:	Underground Storage Tank (UST)
Location Method:	Google Earth *Latitude:* 35.723661 N *Longitude:* -78.847711 W

2. *Information about Contacts Associated with the Leaking UST System:*

UST Owner Information:	Southern Tire and Automotive 548 E. Williams Street Apex, NC 27502
UST Operator Information:	Southern Tire and Automotive 548 E. Williams Street Apex, NC 27502
Property Owner Information:	New Falls Property, LLC P.O. Box 3807 Cary, NC 27519
Property Occupant Information:	Apex Village Shopping Center 500-610 E. Williams Street Apex, NC 27501
Consultant Information:	Highlands Environmental Solutions, Inc. 8410-D Falls of Neuse Road; Raleigh, NC 27615 (919) 848-3155 Attn: Kendall Sutler (ksutler@hesnc.com)
Analytical Laboratory Information:	Accutest Laboratories Southeast 4405 Vineland Road, Suite C-15 Orlando, Florida 32811

Highlands Environmental Solutions, Inc.

3. *Information about Release:*

Date Discovered:	January 29, 2013 (initial discovery during site assessment activities) April 18, 2013 (actual UST closure activities as described within the 20-Day Report)
Estimated Quantity of Release:	Unknown
Cause of Release:	Failure of UST and piping/joints associated with UST system
Source of Release:	UST and/or piping
Size and Content of Tank:	**Tank #2** – 250-Gallon, Used Oil

4. *Certification:*

I, Bobby J. Beaman, P.G., RSM a **Licensed Geologist** for Highlands Environmental Solutions, Inc., do certify that the information contained in this report is correct and accurate to the best of my knowledge.

Highlands Environmental Solutions, Inc. is licensed to practice **geology** in North Carolina. The certification number of the company or corporation is **C-318**.

NORTH CAROLINA LICENSED 5/10/2013 SEAL 1408 GEOLOGIST BOBBY JOE BEAMAN

Highlands Environmental Solutions, Inc.

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Site Information **1**

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3. *Information about Release:* *2*
4. *Certification* *2*

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B. Initial Response and Abatement Activities **2**

C. Source Investigation **3**

APPENDICES

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APPENDIX B	Tables
APPENDIX C	Regulatory Notifications and Forms
APPENDIX D	Liquid and Tank Disposal Documentation
APPENDIX E	Selected Site Photographs
APPENDIX F	Laboratory Analytical Data Report and Chain of Custody
APPENDIX G	UST-61Form and UST-2 Form

A. Site History and Characterization

The *Southern Tire and Automotive* ("the site"), located at 548 E. Williams Street, is one of the businesses operating at the Apex Village Shopping Center (500-610 E. Williams Street). This shopping center was recently purchased by New Falls Property, LLC. The 5.74-acre site is located approximately 775 feet west of the intersection of NC 55 and James Street (on the south side of NC 55), in Apex, Wake County, North Carolina. **Figure 1** in **Appendix A** presents a vicinity map of the area and **Figure 2** presents a topographical map of the subject property area.

As part of the due diligence investigation conducted prior to purchasing the subject property, New Falls Property, LLC (New Falls) contracted Mill Creek Environmental Services, Inc. (Mill Creek) of Dawsonville, GA to conduct a Phase I and Phase II Environmental Site Assessment (ESA) of the site (dated January 29, 2013), as well as an Expanded Phase II ESA (dated March 18, 2013). The reports for this investigation document the discovery of two underground storage tanks (USTs) on the site; a 2,000-gallon diesel fuel UST and a 250-gallon used oil UST (formerly used as a kerosene UST). Laboratory analysis of soil samples indicated the presence of petroleum-impacted soils and groundwater on the site. Mill Creek contracted Environmental Products and Services of Vermont, Inc. (EPS of VT) for underground tank (UST) removal services associated with the two tanks. EPS of VT then contracted Highlands Environmental Solutions, Inc. (HES) for environmental oversight, sampling, and reporting services. Prior to beginning closure activities, EPS of VT contacted the North Carolina One-Call Center to identify subsurface utilities on the property, and prepared a site-specific health and safety plan (HASP) to ensure personnel safety while onsite. HES completed and submitted a UST-3 Form (Notice of Intent: UST Permanent Closure or Change in Service) to the North Carolina Department of Environment and Natural Resources (NCDENR) prior to underground storage tank (UST) closure activities. Additionally, HES contacted Mr. David Dillon, Deputy Fire Marshal of the Town of Apex, to complete and submit the appropriate forms and fees for removal of the two tanks. This 20-Day Report specifically addresses the 250-gallon Used-Oil Tank (Tank #2). The closure of Tank #1 is addressed in a separate report.

B. Initial Response and Abatement Activities

Tank #2 was a 250-gallon UST formerly used for storage of used oil. Tank #2 had also previously been used for storage of kerosene, but at some undisclosed date, the usage was switched to used-oil storage. Information regarding UST systems formerly located at the site is included in **Table 1** and **Table 2**, included in **Appendix B**. As previously stated, only the activities specifically associated with Tank #2 are addressed in this report; Tank #1 is addressed in a separate report.

HES was contracted by EPS of VT to provide environmental oversight, sampling, and reporting services associated with the closure of the used-oil UST located at 548 E. Williams Street in Apex, Wake County, North Carolina.

UST closure activities were performed on April 18, 2013. EPS of VT provided equipment and labor for soil excavation and tank removal, and also provided equipment for purging the UST of explosive vapors. Prior to initiating site activities, EPS of VT contacted the North Carolina One-Call Center to identify subsurface utilities on the property, and prepared a site-specific health and safety plan (HASP) to ensure personnel safety while onsite. Notification of the intent to close the UST system was provided by HES to the NCDENR and the Town of Apex Fire Marshal's Office. Notification was provided in writing by HES to each agency, and a copy of the *UST-3 Form (Notice of Intent: UST Permanent Closure or Change-in-Service*) was provided in the correspondence. Copies of these notifications are provided in **Appendix C.**

Tank #2 was located on the southeast corner of the shopping center building. The excavation area was covered with concrete and/or asphalt, which was removed prior to UST closure activities. The fill port for Tank #2 was discovered during removal of the paved surface, and additional personnel from EPS of VT were contacted for removal of liquid from the USTs. Liquids were recovered from Tank #2, and transported to the EPS of VT facility in Raleigh, NC for proper treatment and disposal.. .

The depth to the top of Tank #2 was approximately two feet below grade. Native soil primarily consisted of reddish brown silty clay and some reddish brown-orange sand from 0 to approximately 9 feet below grade. With the exception of the fill pipe, neither dispensers nor piping were encountered during UST closure activities.

Once the top of the former UST was exposed, the remaining liquids were removed and the tank was ventilated using a vacuum truck. Following ventilation, EPS of VT personnel measured the oxygen level using a Q-Ray LEL Meter with a tube which was lowered into the UST to confirm that oxygen levels were less than 5%. The UST and vapor purge information was inspected by Mr. David Dillon, Deputy Fire Marshall for the Town of Apex. The metal tank was removed from the ground and transported to Raleigh Metal Recycling, in Raleigh, North Carolina on April 18, 2013.

The excavated soils around and beneath Tank #2 exhibited both a very strong petroleum odor and staining. As such, petroleum-impacted soil was removed from the Tank #2 excavation area, temporarily placed on plastic, and properly stockpiled on site (per NCDENR specifications) for later transportation to EcoTech, Inc., in Sanford, NC for disposal via land application. A disposal sample (DISP) was collected from the excavated soils to be analyzed for disposal parameters as required by the disposal facility. This sample was collected into laboratory-provided, labeled, containers, maintained on ice, and designated for analysis for gasoline range organics (GRO) and diesel range organics (DRO) by Method 5035/8015, Toxicity Characteristic Leaching Procedure (TCLP) RCRA Metals, and flashpoint. Disposal documentation for the liquids and the former UST is included in **Appendix D**. Select photographs of the site are included in **Appendix E**.

C. Source Investigation

The location of the site is depicted on **Figure 1** and topographically represented on **Figure 2**. The approximate location of the former UST is depicted on **Figure 3**. **Figure 4** shows the approximate excavation area and sample collection areas for Tank #2. Information regarding the UST is summarized on **Table 1** and **Table 2**.

Tank #2 – 250-Gallon Used-Oil UST

Tank #2 was located at the approximate coordinates 35.723661 N and -78.847711 W (southeast corner of the shopping mall building). Excavation was initiated adjacent to the building and once the paving was removed in the immediate area, measured approximately 13 feet long by 5.5 feet wide by approximately 9 feet deep. As excavation proceeded, the soils were examined for evidence (i.e staining, odor, etc.) of impact by regulated chemical constituents. During soil excavation activities, HES personnel collected random soil samples from the area, and field screened the samples as described in the previous section. Field screening data were utilized to determine the horizontal and vertical extents of the excavated area. Clean soils (above the tank surface) were temporarily staged on plastic in a separate pile from the petroleum-impacted soils.

Soil excavated during the removal of this UST exhibited a strong odor, and when screened with the PID, yielded elevated total volatile compound concentrations.. As excavation proceeded below the midline of the tank, staining was visible on the soils as they were removed. Soils exhibiting evidence of petroleum impact were placed on a separate plastic and properly staged according to NCDENR protocol. As Tank #2 was being exposed, pitting and holes were apparent. When Tank #2 was removed from the ground, it was placed on plastic until it was removed from the site. Tank #2 measured 30 inches in diameter and 7.5 feet long. The tank was intact, but in poor condition, with several holes and significant pitting noted. The soils directly under the tank (the cradle) were screened for potential petroleum impact, with elevated PID readings and significant staining being noted. One grab sample (T2 F) was collected from this area and split into two aliquots. The first aliquot was placed in laboratory-provided, labeled containers, maintained on ice, and designated for analysis for gasoline range organics (GRO) and diesel range organics (DRO) by Method 5035/8015, and lead (Pb) and chromium (Cr) by Method 6010B. The second aliquot was screened using the described methodology.

Due to the evidence of petroleum impacted soils, the Tank #2 area was over-excavated. Previously-described soil screening methods were used to determine the horizontal and vertical extents of the excavated area. The north wall of the excavation was bordered by the wall of the building, and as such, excavation could not proceed in that direction. All excavated soils were stockpiled on plastic, pending removal to EcoTech, Inc., in Sanford, NC, an NC-certified facility, for proper disposal via land farming.

Upon completion of the excavation, HES personnel collected five confirmation grab samples (T2E SW, T2E WW, T2E F, T2E NW, and T2E EW) from the excavation area on April 18, 2013. The locations of the sample collection points for Tank 2 are depicted on **Figure 4**. Upon collection, the samples were divided into two aliquots, and evaluated using the previously described methodology. Sample aliquots for laboratory analysis were placed in laboratory-provided, labeled, pre-preserved containers, maintained on ice, and designated for analysis for volatile organic compounds (VOCs) by Method 8260, semi-volatile organic compounds (SVOCs) by Method 8270, Pb/Cr by Method 6010B, and volatile petroleum hydrocarbons (VPH) and extractable petroleum hydrocarbons (EPH) by MADEP Method. All samples collected during UST closure activities were shipped via overnight express delivery, under proper chain-of-custody protocol, to a State of North Carolina-certified analytical laboratory, Accutest Laboratories Southeast in Orlando, Florida (Accutest – NC Certification # 573) for analysis for the designated parameters. A complete copy of the analytical data and the chain-of-custody are included in **Appendix F**. The excavated area from Tank #2 was partially backfilled with the clean soil from an off-site source.

Review of the analytical data for the confirmation samples indicates the following:

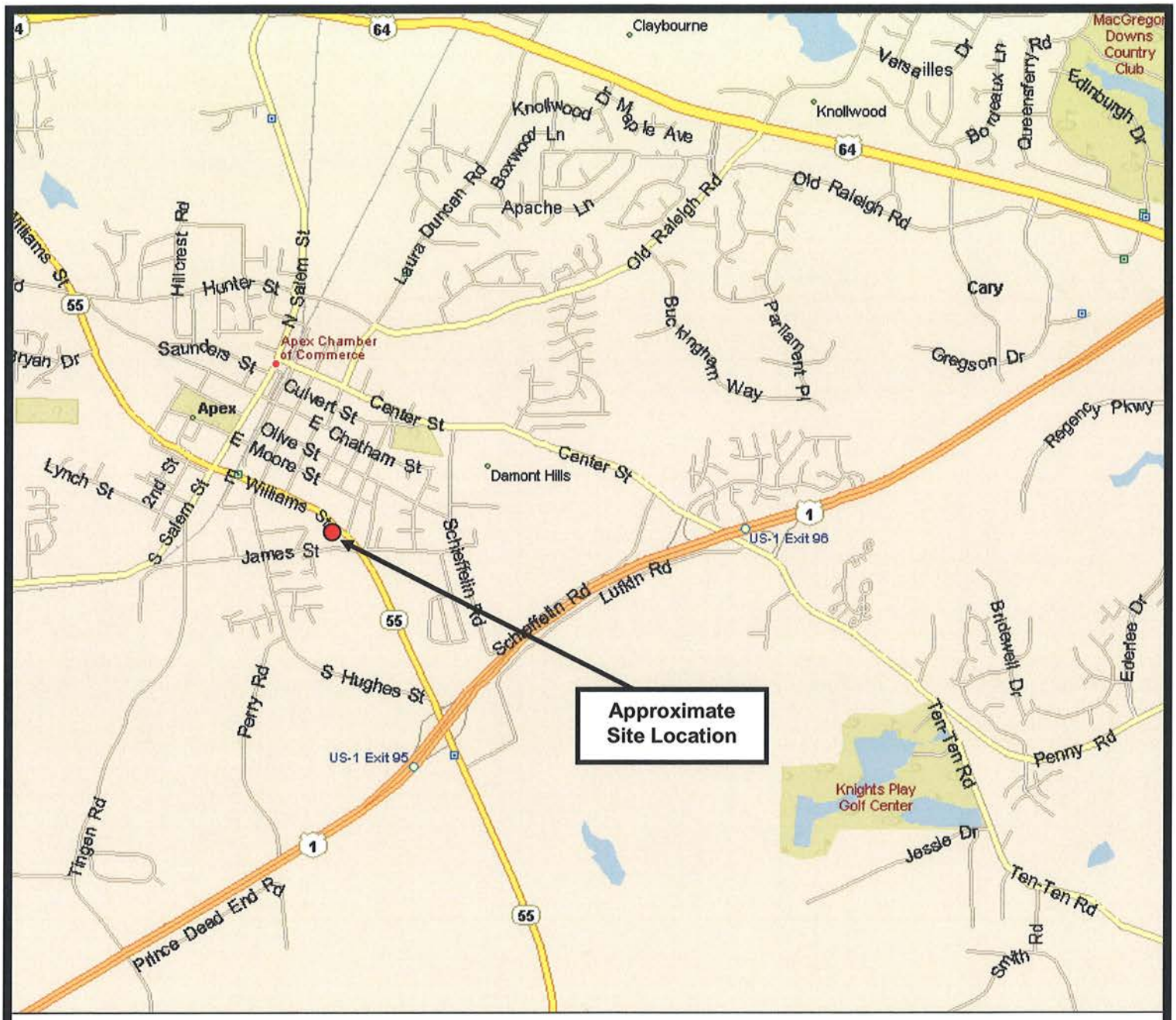
- The concentrations of GRO and DRO in Sample T2F were greater than the State Action Limit of 10 mg/Kg;
- The concentrations of total chromium in samples T2E SW, T2E WW, T2E F, T2E NW, and T2E EW were greater than the NCDENR Soil-to-Water Maximum Soil Contaminant Concentration (MSCC) of 5.4 mg/Kg;
- The concentrations of 1-methylnaphthalene in samples T2E SW, T2E WW, and T2E EW were greater than the NCDENR Soil to Water MSCC of 0.004 mg/Kg; and
- The concentration of C9-C22 Aromatics in sample T2E NW was greater than the NCDENR Soil to Water MSCC of 31 mg/Kg.

The sample results are shown graphically on **Table 3**, included in **Appendix B**.

Due to the discovery of petroleum impacts, HES immediately filed a NCDENR *UST-61 Form; 24-Hour Release and UST Leak Reporting Form*. A NCDENR *UST-2 Form: Site Investigation Report for Permanent Closure or Change in Service of UST* is included in **Appendix G**.

Appendix A

Figures



Site Location Diagram

Approximate Scale

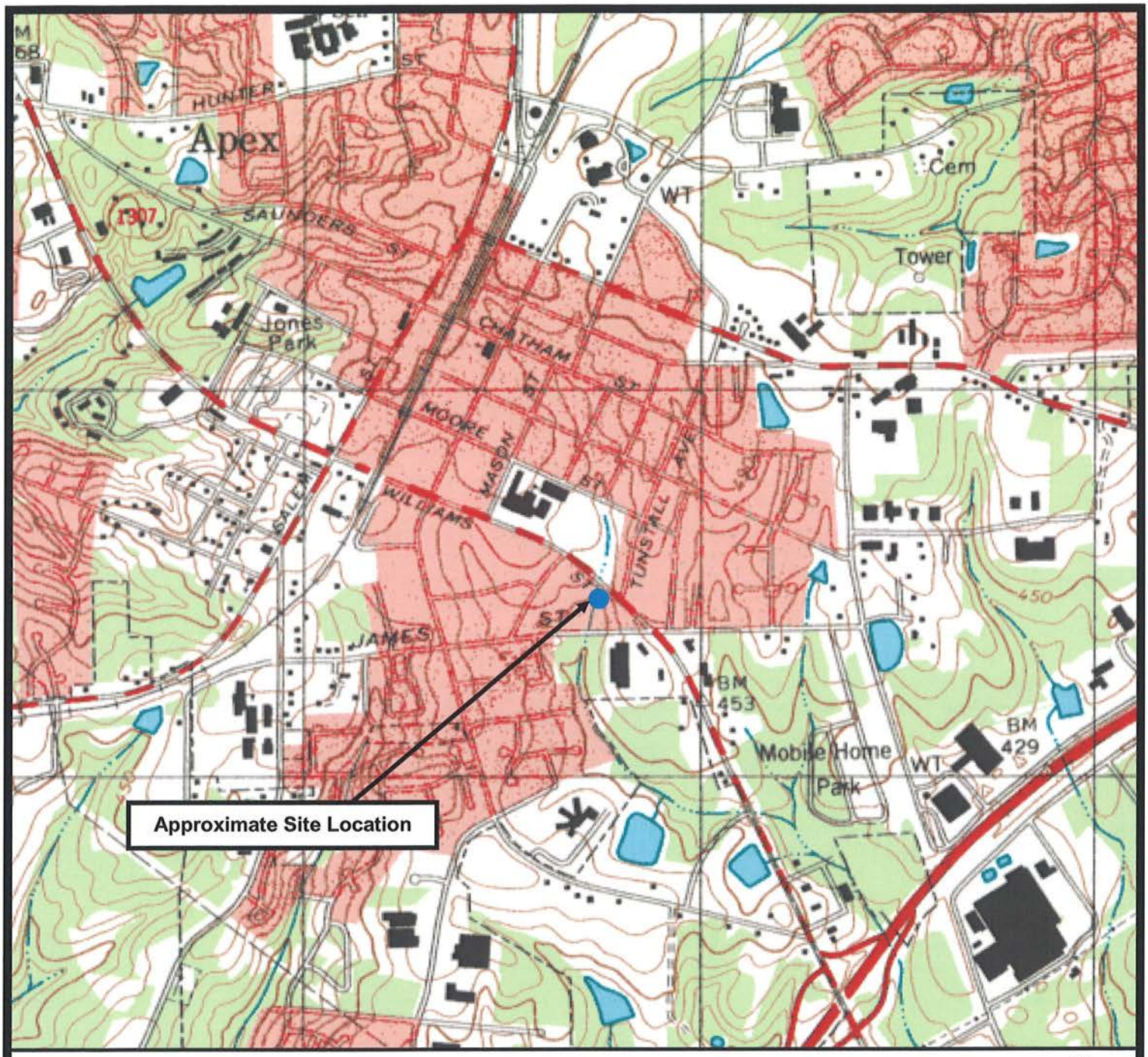
0 — 0.4 — 0.8
Miles

N

Source: Microsoft Streets and Trips 2002

Highlands Environmental Solutions, Inc.

Project Name Southern Tire and Automotive – UST Closure 548 E. Williams Street, Apex, Wake County, NC		
Client EPS of VT / New Falls Property, LLC		
Project # 107034		*Drawn by* SM
Approximate Scale As Shown	*Date* May 2013	*Fig. #* 1



Site Location Topographic Diagram

N

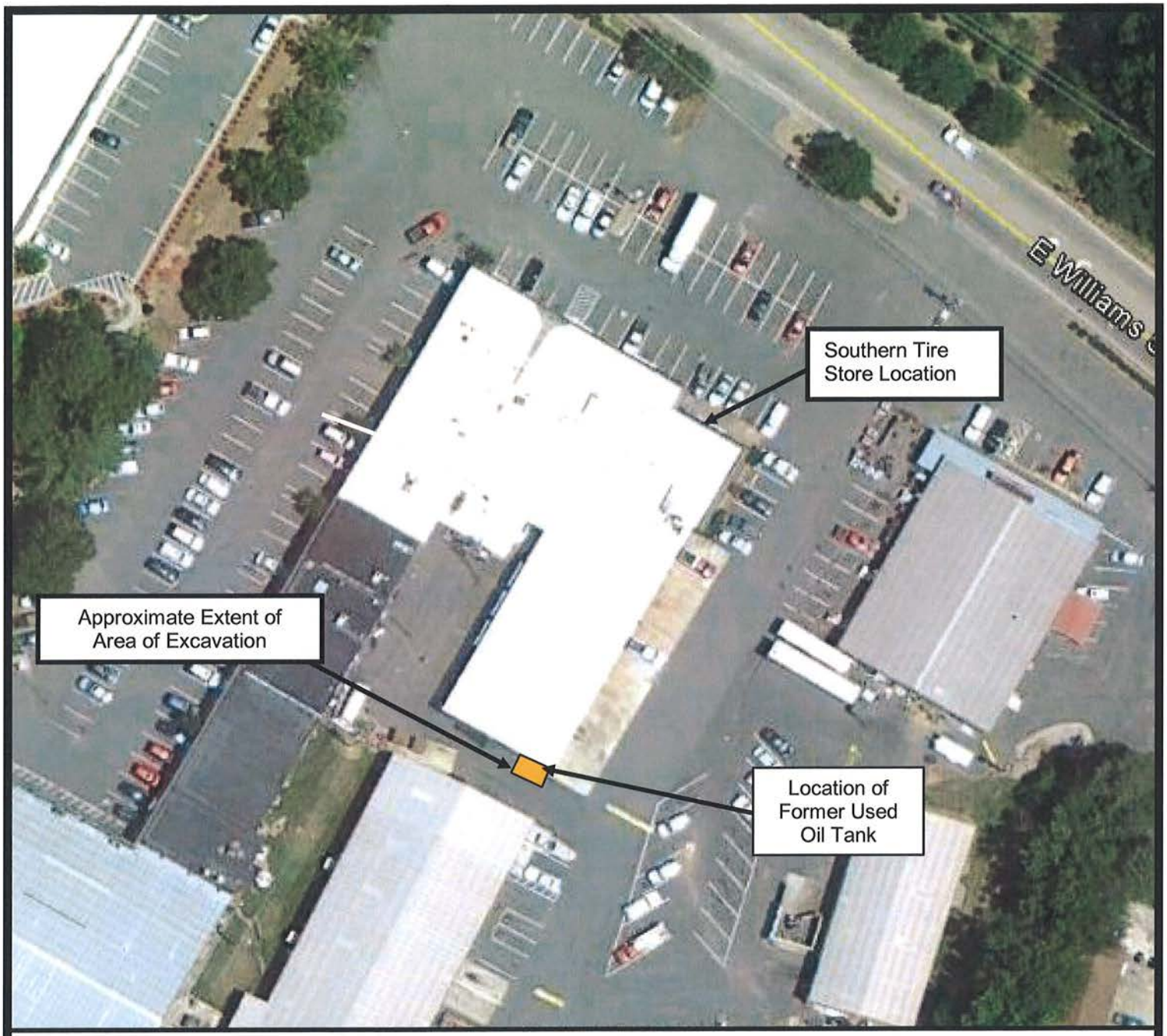
Approximate Scale

0 — 0.2 — 0.4
Miles

Base diagram from Apex, NC
7.5 Minute Topographic Quadrangle; 2002;
1:24,000

Highlands Environmental Solutions, Inc.

Project Name Southern Tire and Automotive – UST Closure 548 E. Williams Street, Apex, Wake County, NC		
Client EPS of VT / New Falls Property, LLC		
Project # 107034		*Drawn by* SM
Scale As Shown	*Date* May 2013	*Fig. #* 2



Site Aerial Diagram

Approximate Scale

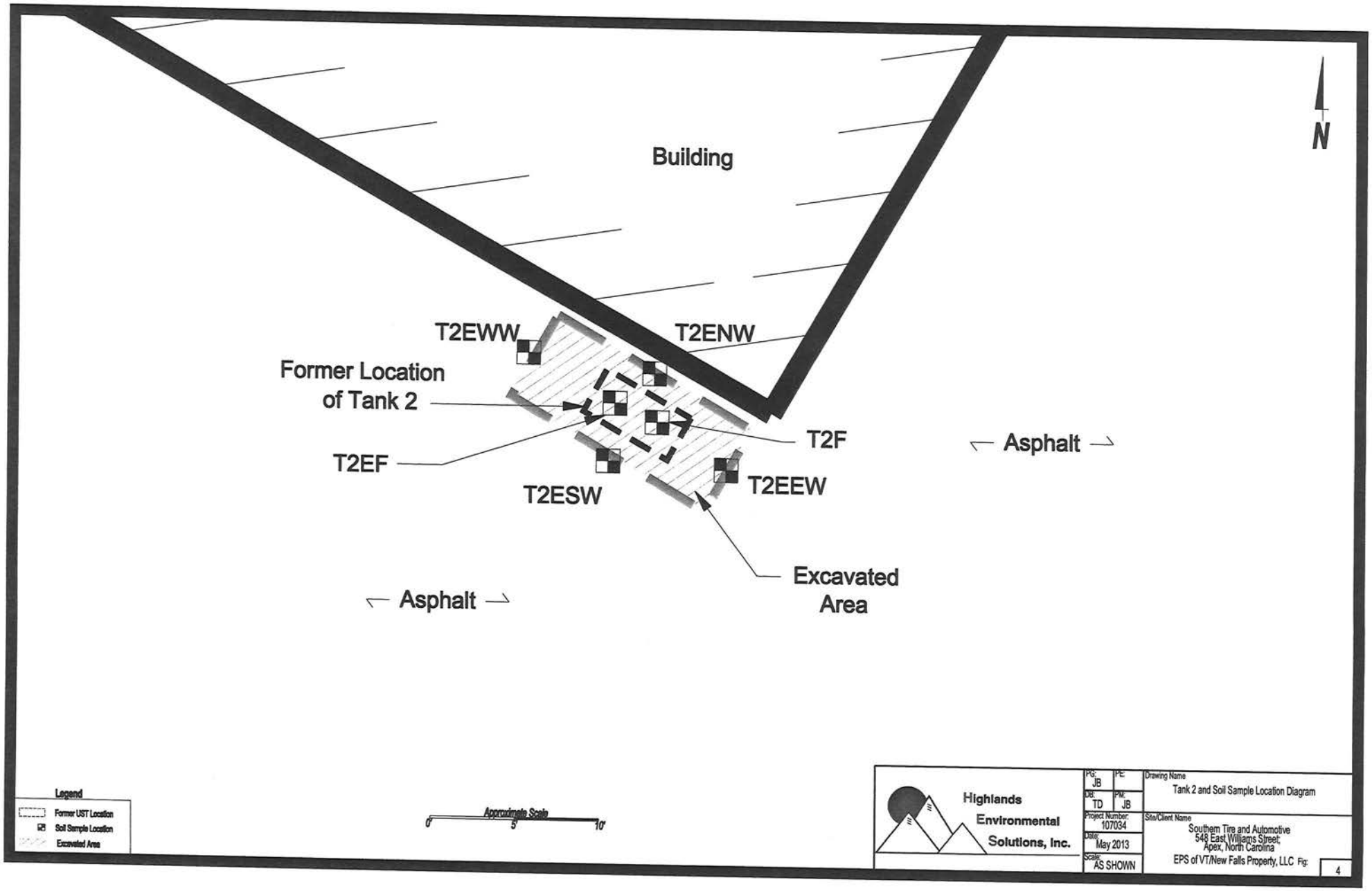
0 67 134
Feet

N

Source: Google Earth, Image Date 7/5/2010

Highlands Environmental Solutions, Inc.

Project Name Southern Tire and Automotive – UST Closure 548 E. Williams Street, Apex, Wake County, NC		
Client EPS of VT / New Falls Property , LLC		
Project # 107034		*Drawn by* SM
Approximate Scale As shown	*Date* May 2013	*Fig. #* 3


Building
N
T2EWW
T2ENW
Former Location
of Tank 2
T2F
T2EF
T2ESW
T2EEW
Asphalt
Asphalt
Excavated
Area
Legend
Former UST Location
Soil Sample Location
Excavated Area
Approximate Scale
0'
5'
10'
Highlands
Environmental
Solutions, Inc.
PG: JB
PE:
DB: TD
PM: JB
Project Number: 107034
Date: May 2013
Scale: AS SHOWN
Drawing Name
Tank 2 and Soil Sample Location Diagram
Site/Client Name
Southern Tire and Automotive
548 East Williams Street;
Apex, North Carolina
EPS of VT/New Falls Property, LLC
Fig: 4

Appendix B

Tables

Table 1

Southern Tire and Automotive
548 E. Williams Street Street - Apex, North Carolina
HES Project #107034

Underground Storage Tank Information

Tank Number	*Status*	*Installation Date*	*Size In Gallons*	*Tank Dimensions*	*Last Contents*
1	Closed	Unknown	2,000	5'4" x 12'	Diesel
2	Closed	Unknown	250	3' x 7.5'	Used Oil

Table 2

Southern Tire and Automotive
548 E. Williams Street - Apex, North Carolina
HES Project #107034

Site History
UST Owner/Operator Information

UST ID Number	Name of Owner or Operator	Dates of Ownership/Operation	Owner or Operator
1	New Falls Property, LLC	Unknown-present	Owner
Address		**Telephone Number**	
P.O. Box 3807; Cary, NC 27519		919-410-7368	
UST ID Number	**Name of Owner or Operator**	**Dates of Ownership/Operation**	**Owner or Operator**
2	Southern Tire and Automotive	Unknown-present	Operator
Address		**Telephone Number**	
548 E. Williams Street; Apex, NC 27502		919-362-8616	

Analytical Method →			Field	8015C	8015C	6010C						MADEP VPH and EPH			
Sample ID	Constituent of Concern → Date Collected	Approximate Depth of Collection (feet)	PID Screening Results (ppm)	TPH-GRO (C6-C10) (mg/Kg)	TPH-DRO (C10-C28) (mg/Kg)	Chromium (Cr) (mg/Kg)	2-Methylnaphthalene (mg/Kg)	Naphthalene (mg/Kg)	Phenanthrene (mg/Kg)	Pyrene (mg/Kg)	All Other Target SVOC Compounds (mg/Kg)	C5-C8 Aliphatics (mg/Kg)	C9-C18 Aliphatics (mg/Kg)	C19-C36 Aliphatics (mg/Kg)	C9-C22 Aromatics(mg/Kg)
T2F	4/17/2013	5.0	27.9	**12.3**	**1330**	19	na	na	na	na	na	na	na	na	na
T2E SW	4/17/2013	8.0	9.7	na	na	**17.8**	ND	0.0273 J	ND	0.293 J	ND	ND	ND	426	ND
T2E WW	4/17/2013	8.0	9.0	na	na	**5.5**	0.282	0.113 J	0.0450 J	0.0527 J	ND	ND	ND	375	4.89 J
T2E F	4/17/2013	9.0	1.3	na	na	**37.8**	ND	ND	ND	ND	ND	ND	ND	265	24.7 J
T2E NW	4/17/2013	8.0	0.9	na	na	**37.7**	ND	ND	ND	ND	ND	ND	ND	270	**44.9**
T2E EW	4/17/2013	8.0	9.3	na	na	**16.2**	ND	0.0305 J	ND	0.0473 J	ND	ND	ND	640	3.11 J
DISP	4/17/2013	--	93+	4.94 J	**1310**	ND	na	na	na	na	na	na	na	na	na
State Action Limit (mg/Kg)			-	10	10	-	-	-	-	-	-	-	-	-	-
NCDENR Soil-to-Water MSCC (mg/Kg)			-	-	-	5.4	3.6	0.16	56	270	cs	68	540	#	31
NCDENR Residential MSCC (mg/Kg)			-	-	-	47	63	313	469	469	cs	939	1500	31000	469
NCDENR Industrial/Commercial MSCC (mg/Kg)			-	-	-	1226	1635	8176	12264	12264	cs	24528	40000	810000	12264

Notes: *mg/Kg denotes "milligrams per kilogram"*
ND denotes "not detected"
na denotes "not analyzed"
BOLD *indicates concentration greater than the DENR action level*
J indicates an estimated value
CS denotes "compound specific"
ppm denotes "parts per million"
MSCC denotes "Maximum Soil Contaminant Concentration"
 # indicates that this compound is considered immobile

Appendix C

Regulatory Notifications and Forms

Highlands Environmental Solutions, Inc.

8410-D Falls of Neuse Road; Raleigh, NC 27615
Phone: 919-848-3155 / Fax: 919-848-4265 / www.hesnc.com

April 11, 2013

Mr. Mark Powers
NCDENR – Raleigh Regional Office
3800 Barrett Drive
Raleigh, North Carolina 27609

Subject: Submittal of Notice of Intent: UST Permanent Closure or Change-in-Service – UST-3
Southern Tire Store
548 East Williams Street, Apex, Wake County, NC
HES Project #107034

Dear Mr. Powers:

On behalf of Southern Tire Store, please find enclosed the original copy of our *Notice of Intent: UST Permanent Closure or Change-in-Service – UST-3 Form* for the closure of UST systems at 548 East Williams Street, Apex, Wake County, NC. The removal activities are tentatively scheduled for Thursday April 18, 2013.

If there are any questions regarding this correspondence, or the project in general, please contact me at (919) 848-3155.

Sincerely,

Highlands Environmental Solutions, Inc.

Sandra Miller

Sandra Miller
Project Scientist

Enclosure

cc: Mr. Art Davis – Environmental Products and Services of Vermont, Inc.
File

UST-3 Notice of Intent: UST Permanent Closure or Change-in-Service

Return completed form to:
The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out.
SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY
I.D. #_____
Date Received_____

INSTRUCTIONS (READ THIS FIRST)

Complete and return at least **thirty (30) days** prior to closure or change-in-service activities. If a Professional Engineer (P.E.) or a Licensed Geologist (L.G.) provides supervision for closure or change-in-service site assessment activities and signs and seals all closure reports then at least a **five (5) working days** notice is acceptable.

Completed UST closure or change-in-service site assessment reports, along with a copy of the UST-2 form, should be submitted to the appropriate Division of Waste Management (DWM) Regional Office within thirty (30) days following closure activities. The UST-2 form should also be submitted to the Central Office in Raleigh so that the status of the tanks may be changed to permanently closed and your tank fee account can be closed out.

UST closure and change-in-service site assessments must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. The *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

I. OWNERSHIP OF TANKS		II. LOCATION		
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Southern Tire Store		Facility Name or Company Southern Tire Store		
Street Address 548 East Williams Street		Facility ID # (If known) NA		
City Apex	County Wake	Street Address 548 East Williams Street		
State NC	Zip Code 27502	City Apex	County Wake	Zip Code 27502
Phone Number 919-362-8616		Phone Number 362-8616		

III. CONTACT PERSONNEL

Name:	Company Name:	Job Title:	Phone Number:
Sandy Miller	Highlands EnvironmentalSolutions	Project Scientist	848-3155

IV. TANK REMOVAL, CLOSURE IN PLACE, CHANGE-IN SERVICE

1. Contact local fire marshal.
2. Plan entire closure event.
3. Conduct Site Soil Assessment.
4. If removing tanks or closing in place, refer to API Publication 2015 *Cleaning Petroleum Storage Tanks* and 1604 *Removal and Disposal of Used Underground Petroleum Storage Tanks.*
5. Provide a sketch locating piping, tanks and soil sampling locations.
6. Submit a closure report in the format of UST-12 (including the form UST-2) within thirty (30) days following the site investigation.
7. If a release from the tanks has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G. If a release has not occurred, the supervision, signature or seal of a P.E. or L.G. is not required.
8. Keep closure records for three (3) years.

V. WORK TO BE PERFORMED BY

Contractor Name:	Contractor Company Name:		
Art Davis	Environmental Products and Services of Vermont, Inc.		
Address: 405 South Rogers Lane, Raleigh	State: NC	Zip Code: 27610	Phone No: 919-909-1227
Primary Consultant Name: Sandy Miller	Primary Consultant Company Name: Highlands EnvironmentalSolutions		Consultant Phone No: 919-848-3155

VI. TANKS SCHEDULED FOR CLOSURE OR CHANGE-IN-SERVICE

			Proposed Activity		
			Closure		Change-In-Service
Tank ID No.	Size in Gallons	Last Contents	Removal	Abandonment in Place *	New Contents Stored
1	250	Oil	☒	☐	
2	2000	Dielsel, Dielsel Mix	☒	☐	
			☐	☐	
			☐	☐	
			☐	☐	

* Prior written approval to abandon a tank in place must be received from a DWM Regional Office.

VII. OWNER OR OWNER'S AUTHORIZED REPRESENTATIVE

I understand that I can be held responsible for environmental damage resulting from the improper disposal of my USTs.

Print name and official title: Sandra Miller, HES Project Scientist

Signature	Date Signed	SCHEDULED REMOVAL DATE	**Notify your DWM Regional Office 48 hours before this date if scheduled removal date changes**
Sandra K Miller	4-10-13	4/17/2013	

North Carolina Department of Environment and Natural Resources

Division of Waste Management
UST Section Central Office
1637 Mail Service Center
Raleigh, NC 27699-1637
(919) 707-8171 FAX (919) 715-1117
www.wastenotnc.org

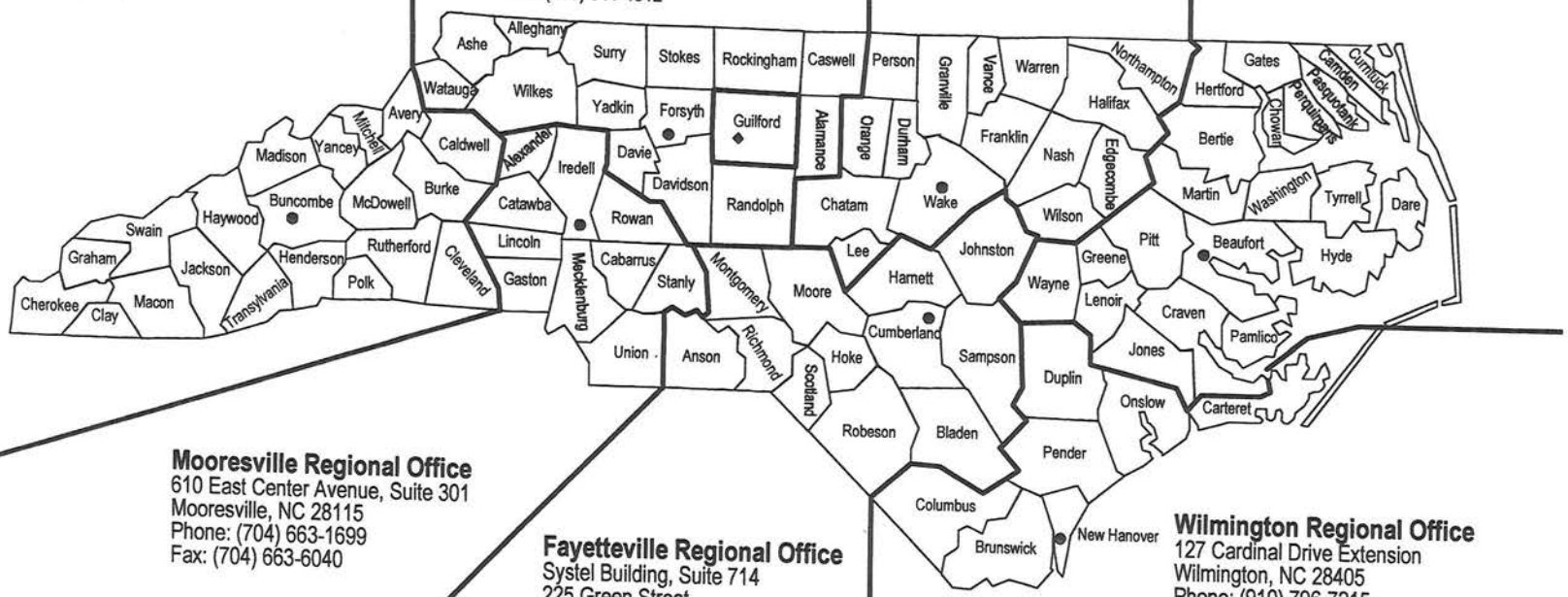
Asheville Regional Office
2090 U.S. Highway 70
Swannanoa, NC 28778
Phone: (828) 296-4500
Fax: (828) 299-7043

Winston-Salem Regional Office
585 Waughtown Street
Winston-Salem, NC 27107
Phone: (336) 771-5000
Fax: (336) 771-4632

Guilford County Dept. of Public Health
1203 Maple Street
Greensboro, NC 27405
Phone: (336) 641-3771
Fax: (336) 641-4812

Raleigh Regional Office
3800 Barrett Drive
Raleigh, NC 27609
Phone: (919) 791-4200
Fax: (919) 571-4718

Washington Regional Office
943 Washington Square Mall
Washington, NC 27889
Phone: (252) 946-6481
Fax: (252) 975-3716



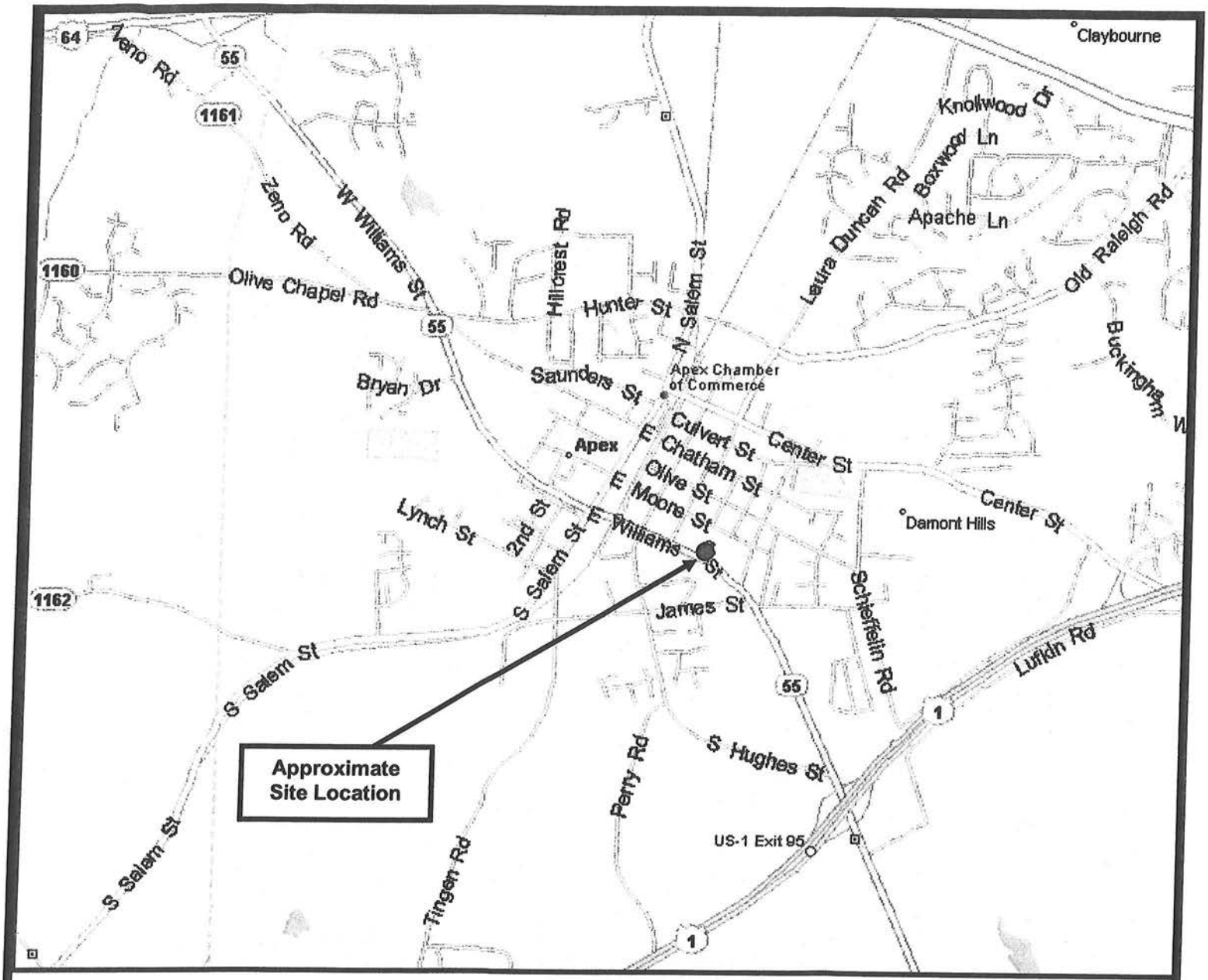
Mooresville Regional Office
610 East Center Avenue, Suite 301
Mooresville, NC 28115
Phone: (704) 663-1699
Fax: (704) 663-6040

Fayetteville Regional Office
Systel Building, Suite 714
225 Green Street
Fayetteville, NC 28301
Phone: (910) 433-3300
Fax: (910) 486-0707

Wilmington Regional Office
127 Cardinal Drive Extension
Wilmington, NC 28405
Phone: (910) 796-7215
Fax: (910) 350-2004

● Regional Office

8/06



Site Location Diagram

N

Approximate Scale

0 — 0.45 Miles — 0.9

Source: Microsoft Streets and Trips 2002

Highlands Environmental Solutions, Inc.

Project Name UST Closure - Southern Tire Store 548 East Williams Street, Apex, Wake County, NC		
Client EPS of Vermont		
Project # 107034		*Drawn by* SM
Approximate Scale As Shown	*Date* April 2013	*Fig. #* 1

Highlands
Environmental
Solutions, Inc.

8410-D Falls of Neuse Road; Raleigh, NC 27615
Phone: 919-848-3155 / Fax: 919-848-4265 / www.hesnc.com

April 15, 2013

Mr. David L. Dillon, CFI
Town of Apex, Deputy Fire Marshall
736 Hunter Street
Apex, North Carolina 27502

Subject: Submittal of Request: UST Permanent Closure by Removal
Southern Tire Store
548 East Williams Street, Apex, Wake County, NC
HES Project #107034

Dear Mr. Dillon:

On behalf of Environmental Products and Services of Vermont, Inc. (EPS of VT) and Southern Tire Store, Highlands Environmental Solutions, Inc. (HES) is submitting this request for permission to remove two underground storage tanks (USTs) from the property at 548 East Williams Street.

The site activities are detailed in the attached cost estimate (the costs have been removed to maintain confidentiality). The removal activities are tentatively scheduled for either Wednesday April 17, 2013 or Thursday April 18, 2013. Wednesday would be preferable it that worked into your schedule.

If there are any questions regarding this correspondence, or the project in general, please contact me at (919) 848-3155.

Sincerely,

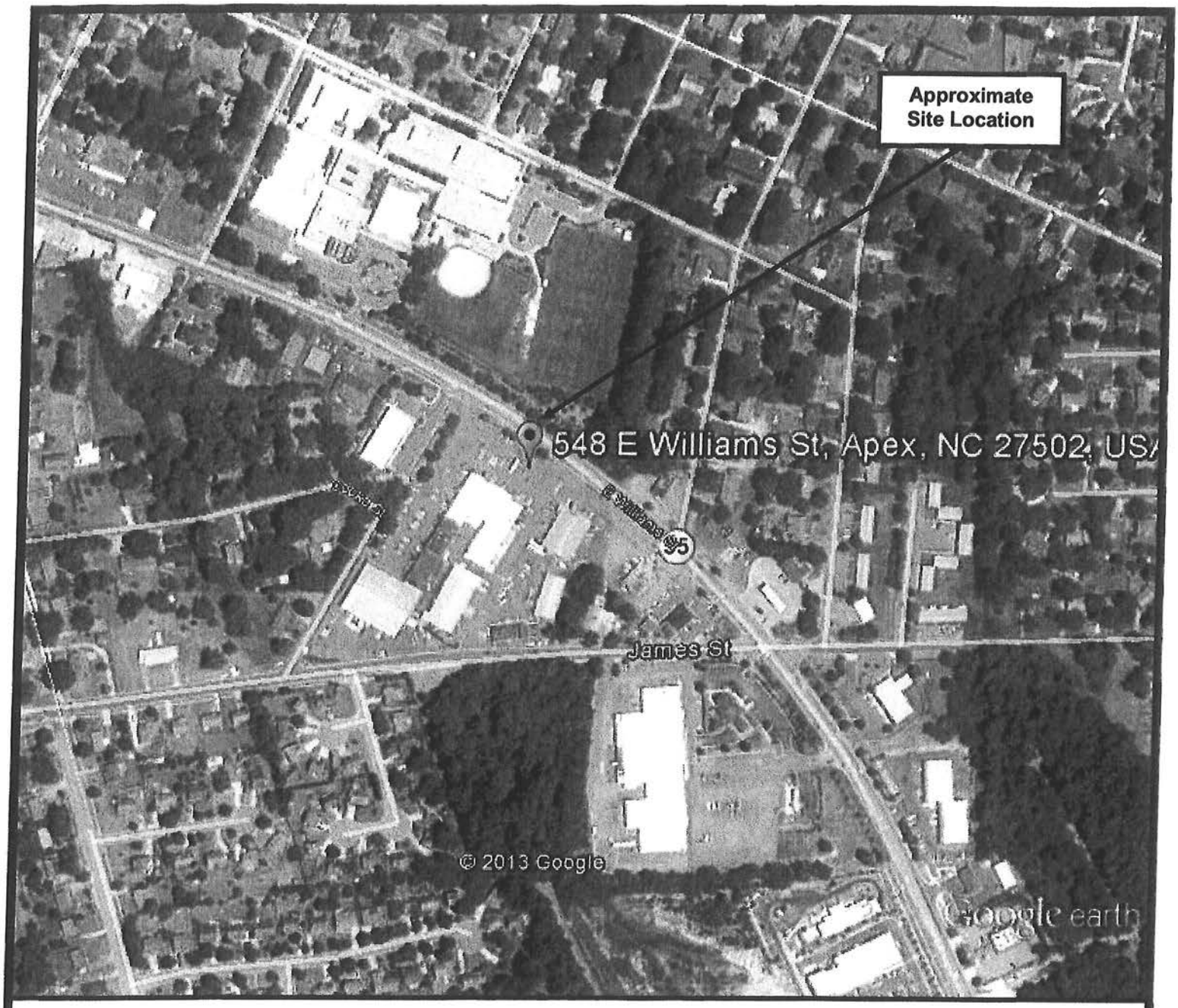
Highlands Environmental Solutions, Inc.

Sandra K Miller

Sandra Miller
Project Scientist

Attachement

cc: Mr. Art Davis – Environmental Products and Services of Vermont, Inc.
File



Site Location Diagram

N

Approximate Scale

0 350 700
Feet

Source: Google Maps, Imagery Date 7/5/2010

Highlands Environmental Solutions, Inc.

Project Name UST Closure - Southern Tire Store 548 East Williams Street, Apex, Wake County, NC		
Client EPS of Vermont		
Project # 107034		*Drawn by* SM
Approximate Scale As Shown	*Date* April 2013	*Fig. #* 1

TOWN OF APEX

UNDERGROUND STORAGE TANK (UST) REMOVAL PERMIT

This permit is issued to Highlands Environmental Solutions, Inc. for the removal of two underground storage tank(s) at the address of 548 East Williams Street, Apex, NC on the date(s) of April 18, 2013.

This permit's validity is contingent upon the strict adherence to the American Petroleum Institute's Recommended Practice on the Removal and Disposal of Used Underground Petroleum Storage Tanks (API Recommended Practice 1604). Any deviance from API Recommended Practice 1604 without prior approval of the Fire Official **shall** render this permit invalid. In conjunction with API 1604, certain safety precautions must be adhered to before removal of the tank(s), including but not limited to:

- A **lower explosive limit** (LEL) of **20% or below** must be obtained in the tank. If oxygen is being displaced from the tank atmosphere, there must be **less than 5% by volume of oxygen** in the tank. Readings should be taken from the bottom, middle, and upper portions of the tank.
- There must not be more than 1" of product inside the tank prior to removal.
- A readily available fire extinguisher must be provided on the site.
- Signs stating "No Smoking" must be posted around the perimeter of the site.

After removal of the tank(s), the tank(s) must be labeled in accordance with API 1604.

	Tank 1	Tank 2	Tank 3	Tank 4	Tank 5	Tank 6
Size	250 gal	2000 gal				
Product	used oil	diesel				

Method of Vapor Removal:

☐ CO_2 or N_2
X Air (Eductor-type or Diffuser)
☐ Dry Ice
☐ Other: _____

This permit does not insure compliance with those regulations set forth by any other agency. It is the responsibility of the permit holder to contact all appropriate agencies for any other applicable permits and/or procedures.

Sandra Miller HES
REPRESENTATIVE OF PERMITTEE

4-15-2013
DATE

TOWN OF APEX FIRE OFFICIAL

4-17-13
DATE

Appendix D

Liquid and Tank Disposal Documentation

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type.

BILL OF LADING

CESQG

1. Document No. RAL 4527

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOUTHERN TIRE
584 E. WILLIAMS ST.
APEX NC 27502

4. Generator's Phone (919) 362-8616

Site Address
SAME

5. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC

6. NYR000115733

A. State Transporter's ID 71C07 (VT)

B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
ENVIRONMENTAL PROD & SVCS OF VT, INC.
405 SOUTH ROGERS LANE
RALEIGH NC 27610
HM

10. NCR000155416

E. State Facility's ID

F. Facility's Phone 919 852-3595

GENERATOR

	11. Shipping Name	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
X	a. NA1993, Diesel fuel mixture 3, PGIII	1	TT DM	1,080. 840 (gal)	G
	b.				
	c.				
	d.				

G. Additional Descriptions for Materials Listed Above

a. App#: R0413011-TS/SR, L X/S/SPL ERG#128

b.

c.

d.

15. Special Handling Instructions and Additional Information
1)SHIPPED AS PRODUCT FOR RECYCLE; JOB#M3118

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: Danny Roberts
Signature: Danny Roberts
Date: Month 04 Day 17 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Alvaro Giarelli
Signature:
Date: Month 04 Day 17 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

Note: gallons recieved 840g

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.

Printed/Typed Name: Peter Martin
Signature:
Date: Month 4 Day 18 Year 13

BILL OF LADING

ENVIRONMENTAL PRODUCTS & SERVICES OF VERMONT, INC.

24-Hour Emergency Phone Number
1-800-843-8265

Please print or type

BILL OF LADING

CESQG

1. Document No. RAL 4533

2. Page 1 of 1

3. Generator's Name and Mailing Address
SOUTHERN TIRE
584 E. WILLIAMS ST.
APEX NC 27502

4. Generator's Phone (919) 362-8616

Site Address
SAME

5. Transporter 1 Company Name
ENVIRONMENTAL PROD & SVCS OF VT, INC

6. NYR000115733

A. State Transporter's ID MK-7745 (NC) (SD)-4295 (NC)

B. Transporter 1 Phone 800 843-8265

7. Transporter 2 Company Name

8.

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
RALEIGH METAL RECYCLING
2310 GARNER RD.
RALEIGH NC 27610
HM

10.

E. State Facility's ID

F. Facility's Phone 919 828-5426

GENERATOR

	11. Shipping Name	12. Containers No.	Type	13. Total Quantity	14. Unit Wt./Vol.
a.	NON-RCRA, NON-DOT SOLIDS, N.O.S. (EMPTY TANK)	2	EA	1,000	P
b.					
c.					
d.					

G. Additional Descriptions for Materials Listed Above

a. APP#: NO APPROVAL # REQUIRED, 1 X 0 GAL. CLEANED STEEL TANK 1 X 250

b.

c.

d.

15. Special Handling Instructions and Additional Information
1)JOB#M3118
1-250g UST + 1-2000g UST

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this document are not subject to federal manifest requirements.

Printed/Typed Name: Danny Roberts
Signature: Danny Roberts
Date: Month 04 Day 17 Year 13

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: William Hedges
Signature:
Date: Month 4 Day 17 Year 13

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator; Certification of receipt of the materials covered by this bill of lading except as noted in Item 19.

Printed/Typed Name: Terrence Jones
Signature:
Date: Month Day Year

BILL OF LADING

Appendix E

Selected Site Photographs

Highlands Environmental Solutions, Inc.

Photograph Number 1: Location of Tank #2 on southeast corner of building.

Photograph Number 2: Excavation on Tank #2 location.

Photograph Number 3: Tank #2 exposed.

Photograph Number 4: Tank #2 being removed from excavation.

Photograph Number 5: Tank #2 removed, to await transportation for disposal.

Photograph Number 6: Tank #2, continuing excavation (north wall).

Photograph Number 7: Tank #2, continuing excavation (west wall and floor).

Photograph Number 8: Tank #2, continuing excavation (east wall).

Photograph Number 9: Tank #2, final excavation area backfilled and covered with plastic sheeting.

Appendix F

Laboratory Analytical Data Report and Chain of Custody

Southeast ACCUTEST LABORATORIES

04/30/13

Technical Report for

EPS of Vermont, Inc

Southern Tire Store Apex; 548 E Williams St, NC

M3118

Accutest Job Number: FA3839

Sampling Date: 04/17/13

Report to:

Demo Account (BR)

brentr@accutest.com

ATTN: Brent Rader

Total number of pages in report: **133**

ACCREDITED IN ACCORDANCE WITH nelac

Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.

Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Andrea Colby 407-425-6700

Certifications: FL (E83510), LA (03051), KS (E-10327), IA (366), IL (200063), NC (573), NJ (FL002), SC (96038001) DoD ELAP (L-A-B L2229), CA (04226CA), TX (T104704404), AK, AR, GA, KY, MA, NV, OK, UT, VA, WA, WI

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Test results relate only to samples analyzed.

Accutest Laboratories is the sole authority for authorizing edits or modifications to this document. Unauthorized modification of this report is strictly prohibited.

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Sample Summary

EPS of Vermont, Inc

Job No: FA3839

Southern Tire Store Apex; 548 E Williams St, NC
Project No: M3118

Sample Number	Collected Date	Time By	Received	Matrix Code	Type	Client Sample ID
FA3839-1	04/17/13	11:20 SM	04/19/13	SO	Soil	T1SF
FA3839-2	04/17/13	11:24 SM	04/19/13	SO	Soil	T1NF
FA3839-3	04/17/13	16:00 SM	04/19/13	SO	Soil	T2F
FA3839-4	04/17/13	17:00 SM	04/19/13	SO	Soil	T2 E SW
FA3839-5	04/17/13	17:40 SM	04/19/13	SO	Soil	T2 E WW
FA3839-6	04/17/13	17:47 SM	04/19/13	SO	Soil	T2 EF
FA3839-7	04/17/13	17:57 SM	04/19/13	SO	Soil	T2 E NW
FA3839-8	04/17/13	18:12 SM	04/19/13	SO	Soil	T2 E EW
FA3839-9	04/17/13	19:00 SM	04/19/13	SO	Soil	DISP
FA3839-9L	04/17/13	19:00 SM	04/19/13	SO	Soil	DISP

Soil samples reported on a dry weight basis unless otherwise indicated on result page.

2

Summary of Hits

Job Number: FA3839
Account: EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC
Collected: 04/17/13

Lab Sample ID / Analyte	Client Sample ID	Result/ Qual	RL	MDL	Units	Method
FA3839-1	**T1SF**					
No hits reported in this sample.						
FA3839-2	**T1NF**					
No hits reported in this sample.						
FA3839-3	**T2F**					
TPH-GRO (C6-C10)		12.3	6.5	3.2	mg/kg	SW846 8015C
TPH (C10-C28) [a]		1330	220	87	mg/kg	SW846 8015C
Chromium		19.0	0.56	0.10	mg/kg	SW846 6010C
Lead		78.4	1.1	0.062	mg/kg	SW846 6010C
FA3839-4	**T2 E SW**					
Acetone		0.0985	0.041	0.016	mg/kg	SW846 8260B
n-Butylbenzene		0.0092	0.0041	0.0011	mg/kg	SW846 8260B
sec-Butylbenzene		0.0038 J	0.0041	0.00099	mg/kg	SW846 8260B
Isopropylbenzene		0.0018 J	0.0041	0.0011	mg/kg	SW846 8260B
Naphthalene		0.0814	0.0041	0.0016	mg/kg	SW846 8260B
n-Propylbenzene		0.0057	0.0041	0.00084	mg/kg	SW846 8260B
1,2,4-Trimethylbenzene		0.0024 J	0.0041	0.00088	mg/kg	SW846 8260B
bis(2-Ethylhexyl)phthalate		0.138 J	0.41	0.041	mg/kg	SW846 8270D
1-Methylnaphthalene		0.0620 J	0.21	0.028	mg/kg	SW846 8270D
Naphthalene		0.0273 J	0.21	0.021	mg/kg	SW846 8270D
Pyrene		0.0293 J	0.21	0.021	mg/kg	SW846 8270D
C19-C36 Aliphatics		426	50	25	mg/kg	MADEP EPH REV 1.1
Chromium		17.8	0.60	0.11	mg/kg	SW846 6010C
Lead		7.4	1.2	0.066	mg/kg	SW846 6010C
FA3839-5	**T2 E WW**					
n-Butylbenzene		0.0074	0.0047	0.0012	mg/kg	SW846 8260B
sec-Butylbenzene		0.0027 J	0.0047	0.0011	mg/kg	SW846 8260B
Ethylbenzene		0.0076	0.0047	0.0010	mg/kg	SW846 8260B
Isopropylbenzene		0.0035 J	0.0047	0.0012	mg/kg	SW846 8260B
p-Isopropyltoluene		0.0019 J	0.0047	0.0012	mg/kg	SW846 8260B
Naphthalene		0.0762	0.0047	0.0019	mg/kg	SW846 8260B
n-Propylbenzene		0.0143	0.0047	0.00097	mg/kg	SW846 8260B
1,2,4-Trimethylbenzene		0.120	0.0047	0.0010	mg/kg	SW846 8260B
1,3,5-Trimethylbenzene		0.0124	0.0047	0.00099	mg/kg	SW846 8260B
Tetrachloroethylene		0.0018 J	0.0047	0.0011	mg/kg	SW846 8260B
Xylene (total)		0.0247	0.014	0.0029	mg/kg	SW846 8260B

Summary of Hits

Job Number: FA3839
Account: EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC
Collected: 04/17/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
m,p-Xylene	0.0108	0.0094	0.0019	mg/kg	SW846 8260B
o-Xylene	0.0139	0.0047	0.00094	mg/kg	SW846 8260B
Benzo(a)anthracene	0.0341 J	0.22	0.022	mg/kg	SW846 8270D
Benzo(g,h,i)perylene	0.0355 J	0.22	0.022	mg/kg	SW846 8270D
Chrysene	0.0238 J	0.22	0.022	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	0.287 J	0.43	0.043	mg/kg	SW846 8270D
Fluoranthene	0.0244 J	0.22	0.022	mg/kg	SW846 8270D
1-Methylnaphthalene	0.164 J	0.22	0.030	mg/kg	SW846 8270D
2-Methylnaphthalene	0.282	0.22	0.025	mg/kg	SW846 8270D
Naphthalene	0.113 J	0.22	0.022	mg/kg	SW846 8270D
Phenanthrene	0.0450 J	0.22	0.022	mg/kg	SW846 8270D
Pyrene	0.0527 J	0.22	0.022	mg/kg	SW846 8270D
Ethylbenzene	0.0665 J	0.13	0.064	mg/kg	MADEP VPH REV 1.1
Naphthalene	0.913 B	0.32	0.19	mg/kg	MADEP VPH REV 1.1
o-Xylene	0.105 J	0.13	0.064	mg/kg	MADEP VPH REV 1.1
C9- C10 Aromatics (Unadj.)	4.89 J	6.4	2.3	mg/kg	MADEP VPH REV 1.1
C9- C10 Aromatics	4.89 J	6.4	2.3	mg/kg	MADEP VPH REV 1.1
C19-C36 Aliphatics	375	52	26	mg/kg	MADEP EPH REV 1.1
Chromium	5.5	0.61	0.11	mg/kg	SW846 6010C
Lead	5.3	1.2	0.068	mg/kg	SW846 6010C
FA3839-6 T2 EF					
Naphthalene	0.0035 J	0.0049	0.0020	mg/kg	SW846 8260B
1,2,4-Trimethylbenzene	0.0018 J	0.0049	0.0011	mg/kg	SW846 8260B
C11-C22 Aromatics (Unadj.)	24.7 J	25	19	mg/kg	MADEP EPH REV 1.1
C11-C22 Aromatics	24.7 J	25	19	mg/kg	MADEP EPH REV 1.1
C19-C36 Aliphatics	265	25	13	mg/kg	MADEP EPH REV 1.1
Chromium [b]	37.8	0.94	0.17	mg/kg	SW846 6010C
Lead [b]	31.4	1.9	0.10	mg/kg	SW846 6010C
FA3839-7 T2 E NW					
Acetone	0.0492 J	0.054	0.022	mg/kg	SW846 8260B
Benzo(g,h,i)perylene	0.120 J	0.23	0.023	mg/kg	SW846 8270D
Indeno(1,2,3-cd)pyrene	0.0280 J	0.23	0.023	mg/kg	SW846 8270D
C11-C22 Aromatics (Unadj.)	44.9	28	21	mg/kg	MADEP EPH REV 1.1
C11-C22 Aromatics	44.9	28	21	mg/kg	MADEP EPH REV 1.1
C19-C36 Aliphatics	270	28	14	mg/kg	MADEP EPH REV 1.1
Chromium	37.7	0.59	0.11	mg/kg	SW846 6010C
Lead	331	1.2	0.064	mg/kg	SW846 6010C
FA3839-8 T2 E EW					
Acetone	0.0881	0.052	0.021	mg/kg	SW846 8260B

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Summary of Hits

Job Number: FA3839
Account: EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC
Collected: 04/17/13

Lab Sample ID Client Sample ID Analyte	Result/ Qual	RL	MDL	Units	Method
n-Butylbenzene	0.0264	0.0052	0.0013	mg/kg	SW846 8260B
sec-Butylbenzene	0.0093	0.0052	0.0013	mg/kg	SW846 8260B
Ethylbenzene	0.0090	0.0052	0.0011	mg/kg	SW846 8260B
Isopropylbenzene	0.0098	0.0052	0.0014	mg/kg	SW846 8260B
p-Isopropyltoluene	0.0052	0.0052	0.0014	mg/kg	SW846 8260B
Naphthalene	0.137	0.0052	0.0021	mg/kg	SW846 8260B
n-Propylbenzene	0.0505	0.0052	0.0011	mg/kg	SW846 8260B
1,2,4-Trimethylbenzene	0.157	0.0052	0.0011	mg/kg	SW846 8260B
1,3,5-Trimethylbenzene	0.0016 J	0.0052	0.0011	mg/kg	SW846 8260B
o-Xylene	0.0032 J	0.0052	0.0010	mg/kg	SW846 8260B
Benzo(a)anthracene	0.0223 J	0.22	0.022	mg/kg	SW846 8270D
bis(2-Ethylhexyl)phthalate	0.149 J	0.43	0.043	mg/kg	SW846 8270D
1-Methylnaphthalene	0.0981 J	0.22	0.030	mg/kg	SW846 8270D
Naphthalene	0.0305 J	0.22	0.022	mg/kg	SW846 8270D
Pyrene	0.0473 J	0.22	0.022	mg/kg	SW846 8270D
Naphthalene	0.675 B	0.32	0.19	mg/kg	MADEP VPH REV 1.1
C9- C10 Aromatics (Unadj.)	3.11 J	6.4	2.3	mg/kg	MADEP VPH REV 1.1
C9- C10 Aromatics	3.11 J	6.4	2.3	mg/kg	MADEP VPH REV 1.1
C19-C36 Aliphatics	640	64	32	mg/kg	MADEP EPH REV 1.1
Chromium	16.2	0.53	0.095	mg/kg	SW846 6010C
Lead	13.7	1.1	0.058	mg/kg	SW846 6010C
FA3839-9 DISP					
TPH-GRO (C6-C10)	4.94 J	6.4	3.2	mg/kg	SW846 8015C
TPH (C10-C28) [a]	1310	210	85	mg/kg	SW846 8015C
Mercury	0.082	0.052	0.0052	mg/kg	SW846 7471B
Ignitability (Flashpoint) [c]	> 200			Deg. F	SW846 1010
FA3839-9L DISP					
Barium	0.076 J	2.0	0.050	mg/l	SW846 6010C
Lead	0.13	0.050	0.011	mg/l	SW846 6010C

(a) Petroleum hydrocarbon pattern extends beyond C28.
(b) Elevated reporting limit(s) due to matrix interference.
(c) Not ignitable.

Southeast ACCUTEST LABORATORIES

Sample Results

Report of Analysis

Report of Analysis

Client Sample ID:	T1SF		
Lab Sample ID:	FA3839-1	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C	**Percent Solids:**	78.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR076100.D	1	04/22/13	MM	n/a	n/a	GQR3263
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.25 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.4	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	100%		56-149%
98-08-8	aaa-Trifluorotoluene	80%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T1SF		
Lab Sample ID:	FA3839-1	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C SW846 3550C	**Percent Solids:**	78.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL47691.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	4.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	68%		56-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T1NF		
Lab Sample ID:	FA3839-2	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C	**Percent Solids:**	77.5
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR076101.D	1	04/22/13	MM	n/a	n/a	GQR3263
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.64 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	6.3	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	98%		56-149%
98-08-8	aaa-Trifluorotoluene	80%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T1NF		
Lab Sample ID:	FA3839-2	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C SW846 3550C	**Percent Solids:**	77.5
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL47692.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801
Run #2							

	Initial Weight	Final Volume
Run #1	30.2 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	11	4.3	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	66%		56-122%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2F		
Lab Sample ID:	FA3839-3	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C	**Percent Solids:**	76.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR076122.D	1	04/23/13	MM	n/a	n/a	GQR3264
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.69 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	12.3	6.5	3.2	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	124%		56-149%
98-08-8	aaa-Trifluorotoluene	104%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2F		
Lab Sample ID:	FA3839-3	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C SW846 3550C	**Percent Solids:**	76.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL47727.D	20	04/24/13	NJ	04/22/13	OP46537	GLL1802
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	1330	220	87	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [b]		56-122%

(a) Petroleum hydrocarbon pattern extends beyond C28.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2F		
Lab Sample ID:	FA3839-3	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	76.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed	By	Method	Prep Method
Chromium	19.0	0.56	0.10	mg/kg	1	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead	78.4	1.1	0.062	mg/kg	1	04/22/13	04/23/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10694
(2) Prep QC Batch: MP25002

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0088328.D	1	04/19/13	EP	n/a	n/a	VG3176
Run #2							

	Initial Weight
Run #1	7.60 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0985	0.041	0.016	mg/kg	
71-43-2	Benzene	ND	0.0041	0.00082	mg/kg	
108-86-1	Bromobenzene	ND	0.0041	0.00088	mg/kg	
74-97-5	Bromochloromethane	ND	0.0041	0.0011	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0041	0.0012	mg/kg	
75-25-2	Bromoform	ND	0.0041	0.00082	mg/kg	
104-51-8	n-Butylbenzene	0.0092	0.0041	0.0011	mg/kg	
135-98-8	sec-Butylbenzene	0.0038	0.0041	0.00099	mg/kg	J
98-06-6	tert-Butylbenzene	ND	0.0041	0.00097	mg/kg	
108-90-7	Chlorobenzene	ND	0.0041	0.00082	mg/kg	
75-00-3	Chloroethane	ND	0.0041	0.0016	mg/kg	
67-66-3	Chloroform	ND	0.0041	0.00082	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0041	0.00082	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0041	0.00094	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0041	0.00093	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0041	0.00082	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0041	0.0010	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0041	0.00082	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0041	0.00082	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0041	0.00098	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0041	0.00082	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0041	0.00082	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0041	0.00084	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0041	0.00082	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0041	0.00082	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0041	0.00082	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0041	0.00082	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0041	0.00082	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0041	0.00082	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0041	0.00089	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0041	0.0011	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0041	0.00082	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.0041	0.00082	mg/kg	
64-17-5	Ethyl alcohol	ND	0.33	0.054	mg/kg	
100-41-4	Ethylbenzene	ND	0.0041	0.00090	mg/kg	
591-78-6	2-Hexanone	ND	0.020	0.0041	mg/kg	
98-82-8	Isopropylbenzene	0.0018	0.0041	0.0011	mg/kg	J
99-87-6	p-Isopropyltoluene	ND	0.0041	0.0011	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.020	0.0041	mg/kg	
74-83-9	Methyl bromide	ND	0.0041	0.0016	mg/kg	
74-87-3	Methyl chloride	ND	0.0041	0.0017	mg/kg	
75-09-2	Methylene chloride	ND	0.0082	0.0037	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.020	0.0041	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0041	0.00082	mg/kg	
91-20-3	Naphthalene	0.0814	0.0041	0.0016	mg/kg	
103-65-1	n-Propylbenzene	0.0057	0.0041	0.00084	mg/kg	
100-42-5	Styrene	ND	0.0041	0.00082	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0041	0.00088	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0041	0.00082	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0041	0.00082	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0041	0.00082	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0041	0.00086	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0041	0.0013	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0041	0.00097	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0024	0.0041	0.00088	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.0041	0.00086	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0041	0.00094	mg/kg	
108-88-3	Toluene	ND	0.0041	0.00082	mg/kg	
79-01-6	Trichloroethylene	ND	0.0041	0.00082	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0041	0.0016	mg/kg	
75-01-4	Vinyl chloride	ND	0.0041	0.00082	mg/kg	
108-05-4	Vinyl Acetate	ND	0.020	0.0034	mg/kg	
1330-20-7	Xylene (total)	ND	0.012	0.0025	mg/kg	
	m,p-Xylene	ND	0.0082	0.0017	mg/kg	
95-47-6	o-Xylene	ND	0.0041	0.00082	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	105%		75-124%
2037-26-5	Toluene-D8	100%		75-126%
460-00-4	4-Bromofluorobenzene	113%		71-133%
17060-07-0	1,2-Dichloroethane-D4	119%		72-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X028030.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1.0	0.21	mg/kg	
95-57-8	2-Chlorophenol	ND	0.21	0.024	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.023	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.030	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.21	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.41	0.083	mg/kg	
95-48-7	2-Methylphenol	ND	0.21	0.026	mg/kg	
	3&4-Methylphenol	ND	0.21	0.043	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.031	mg/kg	
100-02-7	4-Nitrophenol	ND	1.0	0.17	mg/kg	
87-86-5	Pentachlorophenol	ND	1.0	0.17	mg/kg	
108-95-2	Phenol	ND	0.21	0.034	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.027	mg/kg	
83-32-9	Acenaphthene	ND	0.21	0.025	mg/kg	
208-96-8	Acenaphthylene	ND	0.21	0.024	mg/kg	
120-12-7	Anthracene	ND	0.21	0.021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.21	0.021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.21	0.021	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.21	0.021	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.21	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.21	0.025	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.21	0.026	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.21	0.041	mg/kg	
100-51-6	Benzyl Alcohol	ND	0.21	0.041	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.21	0.027	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.031	mg/kg	
218-01-9	Chrysene	ND	0.21	0.021	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.21	0.029	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.21	0.028	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.21	0.024	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.21	0.022	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.21	0.021	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.21	0.023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.21	0.027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.21	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.21	0.035	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.21	0.021	mg/kg	
132-64-9	Dibenzofuran	ND	0.21	0.021	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.41	0.041	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.21	0.041	mg/kg	
84-66-2	Diethyl phthalate	ND	0.41	0.041	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.21	0.041	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.138	0.41	0.041	mg/kg	J
206-44-0	Fluoranthene	ND	0.21	0.021	mg/kg	
86-73-7	Fluorene	ND	0.21	0.023	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.21	0.021	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.21	0.023	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.21	0.029	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.21	0.021	mg/kg	
78-59-1	Isophorone	ND	0.21	0.023	mg/kg	
90-12-0	1-Methylnaphthalene	0.0620	0.21	0.028	mg/kg	J
91-57-6	2-Methylnaphthalene	ND	0.21	0.024	mg/kg	
91-20-3	Naphthalene	0.0273	0.21	0.021	mg/kg	J
98-95-3	Nitrobenzene	ND	0.21	0.030	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.21	0.023	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.041	mg/kg	
85-01-8	Phenanthrene	ND	0.21	0.021	mg/kg	
129-00-0	Pyrene	0.0293	0.21	0.021	mg/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	0.21	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	55%		40-102%
4165-62-2	Phenol-d5	63%		41-100%
118-79-6	2,4,6-Tribromophenol	71%		42-108%
4165-60-0	Nitrobenzene-d5	70%		40-105%
321-60-8	2-Fluorobiphenyl	67%		43-107%
1718-51-0	Terphenyl-d14	83%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP VPH REV 1.1	**Percent Solids:**	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UU002666.D	1	04/22/13	AH	n/a	n/a	GUU141
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.31 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.056	0.056	mg/kg	
100-41-4	Ethylbenzene	ND	0.11	0.056	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.11	0.056	mg/kg	
91-20-3	Naphthalene	ND	0.28	0.17	mg/kg	
108-88-3	Toluene	ND	0.11	0.056	mg/kg	
	m,p-Xylene	ND	0.22	0.11	mg/kg	
95-47-6	o-Xylene	ND	0.11	0.056	mg/kg	
	C5- C8 Aliphatics (Unadj.)	ND	5.6	1.9	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	5.6	1.9	mg/kg	
	C9- C10 Aromatics (Unadj.)	ND	5.6	1.9	mg/kg	
	C5- C8 Aliphatics	ND	5.6	1.9	mg/kg	
	C9- C12 Aliphatics	ND	5.6	1.9	mg/kg	
	C9- C10 Aromatics	ND	5.6	1.9	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	167% [a]		70-130%
460-00-4	BFB	172% [a]		70-130%

(a) Outside control limits; however, sample is ND.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP EPH REV 1.1 SW846 3546	**Percent Solids:**	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NN004431.D	4	04/25/13	NMC	04/22/13	OP46542	GNN190
Run #2							

	Initial Weight	Final Volume
Run #1	19.9 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.50	mg/kg	
208-96-8	Acenaphthylene	ND	1.0	0.50	mg/kg	
120-12-7	Anthracene	ND	1.0	0.50	mg/kg	
56-55-3	Benzo(a)anthracene	ND	1.0	0.50	mg/kg	
50-32-8	Benzo(a)pyrene	ND	1.0	0.50	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.50	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.50	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.50	mg/kg	
218-01-9	Chrysene	ND	1.0	0.50	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.50	mg/kg	
206-44-0	Fluoranthene	ND	1.0	0.50	mg/kg	
86-73-7	Fluorene	ND	1.0	0.50	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.50	mg/kg	
91-57-6	2-Methylnaphthalene	ND	1.0	0.50	mg/kg	
91-20-3	Naphthalene	ND	1.0	0.50	mg/kg	
85-01-8	Phenanthrene	ND	1.0	0.50	mg/kg	
129-00-0	Pyrene	ND	1.0	0.50	mg/kg	
	C11-C22 Aromatics (Unadj.)	ND	50	38	mg/kg	
	C11-C22 Aromatics	ND	50	38	mg/kg	
	C9-C18 Aliphatics	ND	50	25	mg/kg	
	C19-C36 Aliphatics	426	50	25	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	78%		40-140%
580-13-2	2-Bromonaphthalene	74%		40-140%
84-15-1	o-Terphenyl	59%		40-140%
321-60-8	2-Fluorobiphenyl	75%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E SW		
Lab Sample ID:	FA3839-4	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	80.4
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	17.8	0.60	0.11	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]
Lead	7.4	1.2	0.066	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10694
(2) Prep QC Batch: MP25002

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0088329.D	1	04/19/13	EP	n/a	n/a	VG3176
Run #2							

	Initial Weight
Run #1	6.91 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.047	0.019	mg/kg	
71-43-2	Benzene	ND	0.0047	0.00094	mg/kg	
108-86-1	Bromobenzene	ND	0.0047	0.0010	mg/kg	
74-97-5	Bromochloromethane	ND	0.0047	0.0013	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0047	0.0013	mg/kg	
75-25-2	Bromoform	ND	0.0047	0.00094	mg/kg	
104-51-8	n-Butylbenzene	0.0074	0.0047	0.0012	mg/kg	
135-98-8	sec-Butylbenzene	0.0027	0.0047	0.0011	mg/kg	J
98-06-6	tert-Butylbenzene	ND	0.0047	0.0011	mg/kg	
108-90-7	Chlorobenzene	ND	0.0047	0.00094	mg/kg	
75-00-3	Chloroethane	ND	0.0047	0.0019	mg/kg	
67-66-3	Chloroform	ND	0.0047	0.00094	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0047	0.00094	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0047	0.0011	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0047	0.0011	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0047	0.00094	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0047	0.0012	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0047	0.00094	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0047	0.00094	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0047	0.0011	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0047	0.00094	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0047	0.00094	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0047	0.00097	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0047	0.00094	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0047	0.00094	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0047	0.00094	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0047	0.00094	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0047	0.00094	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0047	0.00094	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0047	0.0010	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0047	0.0012	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0047	0.00094	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.0047	0.00094	mg/kg	
64-17-5	Ethyl alcohol	ND	0.38	0.062	mg/kg	
100-41-4	Ethylbenzene	0.0076	0.0047	0.0010	mg/kg	
591-78-6	2-Hexanone	ND	0.024	0.0047	mg/kg	
98-82-8	Isopropylbenzene	0.0035	0.0047	0.0012	mg/kg	J
99-87-6	p-Isopropyltoluene	0.0019	0.0047	0.0012	mg/kg	J
108-10-1	4-Methyl-2-pentanone	ND	0.024	0.0047	mg/kg	
74-83-9	Methyl bromide	ND	0.0047	0.0019	mg/kg	
74-87-3	Methyl chloride	ND	0.0047	0.0020	mg/kg	
75-09-2	Methylene chloride	ND	0.0094	0.0043	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.024	0.0047	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0047	0.00094	mg/kg	
91-20-3	Naphthalene	0.0762	0.0047	0.0019	mg/kg	
103-65-1	n-Propylbenzene	0.0143	0.0047	0.00097	mg/kg	
100-42-5	Styrene	ND	0.0047	0.00094	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0047	0.0010	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0047	0.00094	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0047	0.00094	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0047	0.00094	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0047	0.00099	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0047	0.0015	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0047	0.0011	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.120	0.0047	0.0010	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0124	0.0047	0.00099	mg/kg	
127-18-4	Tetrachloroethylene	0.0018	0.0047	0.0011	mg/kg	J
108-88-3	Toluene	ND	0.0047	0.00094	mg/kg	
79-01-6	Trichloroethylene	ND	0.0047	0.00094	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0047	0.0019	mg/kg	
75-01-4	Vinyl chloride	ND	0.0047	0.00094	mg/kg	
108-05-4	Vinyl Acetate	ND	0.024	0.0039	mg/kg	
1330-20-7	Xylene (total)	0.0247	0.014	0.0029	mg/kg	
	m,p-Xylene	0.0108	0.0094	0.0019	mg/kg	
95-47-6	o-Xylene	0.0139	0.0047	0.00094	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	108%		75-124%
2037-26-5	Toluene-D8	79%		75-126%
460-00-4	4-Bromofluorobenzene	102%		71-133%
17060-07-0	1,2-Dichloroethane-D4	127%		72-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X028031.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1.1	0.22	mg/kg	
95-57-8	2-Chlorophenol	ND	0.22	0.026	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.024	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.024	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.032	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.22	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.43	0.087	mg/kg	
95-48-7	2-Methylphenol	ND	0.22	0.027	mg/kg	
	3&4-Methylphenol	ND	0.22	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.033	mg/kg	
100-02-7	4-Nitrophenol	ND	1.1	0.17	mg/kg	
87-86-5	Pentachlorophenol	ND	1.1	0.17	mg/kg	
108-95-2	Phenol	ND	0.22	0.036	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.028	mg/kg	
83-32-9	Acenaphthene	ND	0.22	0.026	mg/kg	
208-96-8	Acenaphthylene	ND	0.22	0.025	mg/kg	
120-12-7	Anthracene	ND	0.22	0.022	mg/kg	
56-55-3	Benzo(a)anthracene	0.0341	0.22	0.022	mg/kg	J
50-32-8	Benzo(a)pyrene	ND	0.22	0.022	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.22	0.022	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.0355	0.22	0.022	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.22	0.026	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.22	0.028	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.22	0.043	mg/kg	
100-51-6	Benzyl Alcohol	ND	0.22	0.043	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.22	0.028	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.033	mg/kg	
218-01-9	Chrysene	0.0238	0.22	0.022	mg/kg	J
111-91-1	bis(2-Chloroethoxy)methane	ND	0.22	0.031	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.22	0.029	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.22	0.025	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.22	0.023	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.22	0.022	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.22	0.024	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.22	0.029	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.22	0.023	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.22	0.036	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	0.022	mg/kg	
132-64-9	Dibenzofuran	ND	0.22	0.022	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.43	0.043	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.22	0.043	mg/kg	
84-66-2	Diethyl phthalate	ND	0.43	0.043	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.22	0.043	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.287	0.43	0.043	mg/kg	J
206-44-0	Fluoranthene	0.0244	0.22	0.022	mg/kg	J
86-73-7	Fluorene	ND	0.22	0.024	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.22	0.022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.22	0.024	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.22	0.030	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.025	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	0.022	mg/kg	
78-59-1	Isophorone	ND	0.22	0.024	mg/kg	
90-12-0	1-Methylnaphthalene	0.164	0.22	0.030	mg/kg	J
91-57-6	2-Methylnaphthalene	0.282	0.22	0.025	mg/kg	
91-20-3	Naphthalene	0.113	0.22	0.022	mg/kg	J
98-95-3	Nitrobenzene	ND	0.22	0.032	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.22	0.024	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.043	mg/kg	
85-01-8	Phenanthrene	0.0450	0.22	0.022	mg/kg	J
129-00-0	Pyrene	0.0527	0.22	0.022	mg/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	0.22	0.023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	65%		40-102%
4165-62-2	Phenol-d5	73%		41-100%
118-79-6	2,4,6-Tribromophenol	80%		42-108%
4165-60-0	Nitrobenzene-d5	82%		40-105%
321-60-8	2-Fluorobiphenyl	76%		43-107%
1718-51-0	Terphenyl-d14	85%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP VPH REV 1.1	**Percent Solids:**	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UU002734.D	1	04/25/13	MM	n/a	n/a	GUU146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.75 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.064	0.064	mg/kg	
100-41-4	Ethylbenzene	0.0665	0.13	0.064	mg/kg	J
1634-04-4	Methyl Tert Butyl Ether	ND	0.13	0.064	mg/kg	
91-20-3	Naphthalene	0.913	0.32	0.19	mg/kg	B
108-88-3	Toluene	ND	0.13	0.064	mg/kg	
	m,p-Xylene	ND	0.26	0.13	mg/kg	
95-47-6	o-Xylene	0.105	0.13	0.064	mg/kg	J
	C5- C8 Aliphatics (Unadj.)	ND	6.4	2.3	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	6.4	2.3	mg/kg	
	C9- C10 Aromatics (Unadj.)	4.89	6.4	2.3	mg/kg	J
	C5- C8 Aliphatics	ND	6.4	2.3	mg/kg	
	C9- C12 Aliphatics	ND	6.4	2.3	mg/kg	
	C9- C10 Aromatics	4.89	6.4	2.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	92%		70-130%
460-00-4	BFB	94%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP EPH REV 1.1 SW846 3546	**Percent Solids:**	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NN004432.D	4	04/25/13	NMC	04/22/13	OP46542	GNN190
Run #2							

	Initial Weight	Final Volume
Run #1	20.2 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.0	0.52	mg/kg	
208-96-8	Acenaphthylene	ND	1.0	0.52	mg/kg	
120-12-7	Anthracene	ND	1.0	0.52	mg/kg	
56-55-3	Benzo(a)anthracene	ND	1.0	0.52	mg/kg	
50-32-8	Benzo(a)pyrene	ND	1.0	0.52	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	1.0	0.52	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1.0	0.52	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	1.0	0.52	mg/kg	
218-01-9	Chrysene	ND	1.0	0.52	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1.0	0.52	mg/kg	
206-44-0	Fluoranthene	ND	1.0	0.52	mg/kg	
86-73-7	Fluorene	ND	1.0	0.52	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.0	0.52	mg/kg	
91-57-6	2-Methylnaphthalene	ND	1.0	0.52	mg/kg	
91-20-3	Naphthalene	ND	1.0	0.52	mg/kg	
85-01-8	Phenanthrene	ND	1.0	0.52	mg/kg	
129-00-0	Pyrene	ND	1.0	0.52	mg/kg	
	C11-C22 Aromatics (Unadj.)	ND	52	39	mg/kg	
	C11-C22 Aromatics	ND	52	39	mg/kg	
	C9-C18 Aliphatics	ND	52	26	mg/kg	
	C19-C36 Aliphatics	375	52	26	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	71%		40-140%
580-13-2	2-Bromonaphthalene	85%		40-140%
84-15-1	o-Terphenyl	69%		40-140%
321-60-8	2-Fluorobiphenyl	86%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E WW		
Lab Sample ID:	FA3839-5	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	76.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	5.5	0.61	0.11	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]
Lead	5.3	1.2	0.068	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10693
(2) Prep QC Batch: MP25004

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0088330.D	1	04/19/13	EP	n/a	n/a	VG3176
Run #2							

	Initial Weight
Run #1	6.36 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	0.049	0.020	mg/kg	
71-43-2	Benzene	ND	0.0049	0.00098	mg/kg	
108-86-1	Bromobenzene	ND	0.0049	0.0011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0049	0.0014	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0049	0.0014	mg/kg	
75-25-2	Bromoform	ND	0.0049	0.00098	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0049	0.0013	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0049	0.0012	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0049	0.0012	mg/kg	
108-90-7	Chlorobenzene	ND	0.0049	0.00098	mg/kg	
75-00-3	Chloroethane	ND	0.0049	0.0020	mg/kg	
67-66-3	Chloroform	ND	0.0049	0.00098	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0049	0.00098	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0049	0.0011	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0049	0.0011	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0049	0.00098	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0049	0.0012	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0049	0.00098	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0049	0.00098	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0049	0.0012	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0049	0.00098	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0049	0.00098	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0049	0.0010	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0049	0.00098	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0049	0.00098	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0049	0.00098	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0049	0.00098	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0049	0.00098	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0049	0.00098	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0049	0.0011	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0049	0.0013	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0049	0.00098	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.0049	0.00098	mg/kg	
64-17-5	Ethyl alcohol	ND	0.39	0.064	mg/kg	
100-41-4	Ethylbenzene	ND	0.0049	0.0011	mg/kg	
591-78-6	2-Hexanone	ND	0.024	0.0049	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0049	0.0013	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0049	0.0013	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.024	0.0049	mg/kg	
74-83-9	Methyl bromide	ND	0.0049	0.0020	mg/kg	
74-87-3	Methyl chloride	ND	0.0049	0.0020	mg/kg	
75-09-2	Methylene chloride	ND	0.0098	0.0045	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.024	0.0049	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0049	0.00098	mg/kg	
91-20-3	Naphthalene	0.0035	0.0049	0.0020	mg/kg	J
103-65-1	n-Propylbenzene	ND	0.0049	0.0010	mg/kg	
100-42-5	Styrene	ND	0.0049	0.00098	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0049	0.0010	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0049	0.00098	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0049	0.00098	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0049	0.00098	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0049	0.0010	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0049	0.0016	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0049	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.0018	0.0049	0.0011	mg/kg	J
108-67-8	1,3,5-Trimethylbenzene	ND	0.0049	0.0010	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0049	0.0011	mg/kg	
108-88-3	Toluene	ND	0.0049	0.00098	mg/kg	
79-01-6	Trichloroethylene	ND	0.0049	0.00098	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0049	0.0020	mg/kg	
75-01-4	Vinyl chloride	ND	0.0049	0.00098	mg/kg	
108-05-4	Vinyl Acetate	ND	0.024	0.0041	mg/kg	
1330-20-7	Xylene (total)	ND	0.015	0.0030	mg/kg	
	m,p-Xylene	ND	0.0098	0.0020	mg/kg	
95-47-6	o-Xylene	ND	0.0049	0.00098	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	106%		75-124%
2037-26-5	Toluene-D8	104%		75-126%
460-00-4	4-Bromofluorobenzene	105%		71-133%
17060-07-0	1,2-Dichloroethane-D4	118%		72-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X028032.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
Run #2							

	Initial Weight	Final Volume
Run #1	30.1 g	1.0 ml
Run #2		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1.0	0.21	mg/kg	
95-57-8	2-Chlorophenol	ND	0.21	0.024	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.21	0.023	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.21	0.023	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.21	0.030	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.0	0.21	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.41	0.083	mg/kg	
95-48-7	2-Methylphenol	ND	0.21	0.026	mg/kg	
	3&4-Methylphenol	ND	0.21	0.043	mg/kg	
88-75-5	2-Nitrophenol	ND	0.21	0.031	mg/kg	
100-02-7	4-Nitrophenol	ND	1.0	0.17	mg/kg	
87-86-5	Pentachlorophenol	ND	1.0	0.17	mg/kg	
108-95-2	Phenol	ND	0.21	0.034	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.21	0.026	mg/kg	
83-32-9	Acenaphthene	ND	0.21	0.025	mg/kg	
208-96-8	Acenaphthylene	ND	0.21	0.024	mg/kg	
120-12-7	Anthracene	ND	0.21	0.021	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.21	0.021	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.21	0.021	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.21	0.021	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.21	0.021	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.21	0.025	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.21	0.026	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.21	0.041	mg/kg	
100-51-6	Benzyl Alcohol	ND	0.21	0.041	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.21	0.027	mg/kg	
106-47-8	4-Chloroaniline	ND	0.21	0.031	mg/kg	
218-01-9	Chrysene	ND	0.21	0.021	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.21	0.029	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.21	0.028	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.21	0.023	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.21	0.022	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.21	0.021	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.21	0.023	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.21	0.027	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.21	0.022	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.21	0.035	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.21	0.021	mg/kg	
132-64-9	Dibenzofuran	ND	0.21	0.021	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.41	0.041	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.21	0.041	mg/kg	
84-66-2	Diethyl phthalate	ND	0.41	0.041	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.21	0.041	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.41	0.041	mg/kg	
206-44-0	Fluoranthene	ND	0.21	0.021	mg/kg	
86-73-7	Fluorene	ND	0.21	0.023	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.21	0.021	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.21	0.023	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.21	0.029	mg/kg	
67-72-1	Hexachloroethane	ND	0.21	0.023	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.21	0.021	mg/kg	
78-59-1	Isophorone	ND	0.21	0.023	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.21	0.028	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.21	0.024	mg/kg	
91-20-3	Naphthalene	ND	0.21	0.021	mg/kg	
98-95-3	Nitrobenzene	ND	0.21	0.030	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.21	0.023	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.21	0.041	mg/kg	
85-01-8	Phenanthrene	ND	0.21	0.021	mg/kg	
129-00-0	Pyrene	ND	0.21	0.021	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.21	0.022	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		40-102%
4165-62-2	Phenol-d5	66%		41-100%
118-79-6	2,4,6-Tribromophenol	95%		42-108%
4165-60-0	Nitrobenzene-d5	68%		40-105%
321-60-8	2-Fluorobiphenyl	81%		43-107%
1718-51-0	Terphenyl-d14	92%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP VPH REV 1.1	**Percent Solids:**	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UU002668.D	1	04/22/13	AH	n/a	n/a	GUU141
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	5.38 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.071	0.071	mg/kg	
100-41-4	Ethylbenzene	ND	0.14	0.071	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.14	0.071	mg/kg	
91-20-3	Naphthalene	ND	0.36	0.21	mg/kg	
108-88-3	Toluene	ND	0.14	0.071	mg/kg	
	m,p-Xylene	ND	0.29	0.14	mg/kg	
95-47-6	o-Xylene	ND	0.14	0.071	mg/kg	
	C5- C8 Aliphatics (Unadj.)	ND	7.1	2.5	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	7.1	2.5	mg/kg	
	C9- C10 Aromatics (Unadj.)	ND	7.1	2.5	mg/kg	
	C5- C8 Aliphatics	ND	7.1	2.5	mg/kg	
	C9- C12 Aliphatics	ND	7.1	2.5	mg/kg	
	C9- C10 Aromatics	ND	7.1	2.5	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	153% [a]		70-130%
460-00-4	BFB	157% [a]		70-130%

(a) Outside control limits due to moisture content.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP EPH REV 1.1 SW846 3546	**Percent Solids:**	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NN004433.D	2	04/25/13	NMC	04/22/13	OP46542	GNN190
Run #2							

	Initial Weight	Final Volume
Run #1	19.6 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.51	0.25	mg/kg	
208-96-8	Acenaphthylene	ND	0.51	0.25	mg/kg	
120-12-7	Anthracene	ND	0.51	0.25	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.51	0.25	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.51	0.25	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.51	0.25	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.51	0.25	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.51	0.25	mg/kg	
218-01-9	Chrysene	ND	0.51	0.25	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.51	0.25	mg/kg	
206-44-0	Fluoranthene	ND	0.51	0.25	mg/kg	
86-73-7	Fluorene	ND	0.51	0.25	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.51	0.25	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.51	0.25	mg/kg	
91-20-3	Naphthalene	ND	0.51	0.25	mg/kg	
85-01-8	Phenanthrene	ND	0.51	0.25	mg/kg	
129-00-0	Pyrene	ND	0.51	0.25	mg/kg	
	C11-C22 Aromatics (Unadj.)	24.7	25	19	mg/kg	J
	C11-C22 Aromatics	24.7	25	19	mg/kg	J
	C9-C18 Aliphatics	ND	25	13	mg/kg	
	C19-C36 Aliphatics	265	25	13	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	66%		40-140%
580-13-2	2-Bromonaphthalene	85%		40-140%
84-15-1	o-Terphenyl	53%		40-140%
321-60-8	2-Fluorobiphenyl	86%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 EF		
Lab Sample ID:	FA3839-6	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	80.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By		Method	Prep Method
Chromium [a]	37.8	0.94	0.17	mg/kg	2	04/22/13	04/24/13	LM	SW846 6010C [1]	SW846 3050B [2]
Lead [a]	31.4	1.9	0.10	mg/kg	2	04/22/13	04/24/13	LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10695
(2) Prep QC Batch: MP25004

(a) Elevated reporting limit(s) due to matrix interference.

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0088331.D	1	04/19/13	EP	n/a	n/a	VG3176
Run #2							

	Initial Weight
Run #1	6.35 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0492	0.054	0.022	mg/kg	J
71-43-2	Benzene	ND	0.0054	0.0011	mg/kg	
108-86-1	Bromobenzene	ND	0.0054	0.0012	mg/kg	
74-97-5	Bromochloromethane	ND	0.0054	0.0015	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0054	0.0015	mg/kg	
75-25-2	Bromoform	ND	0.0054	0.0011	mg/kg	
104-51-8	n-Butylbenzene	ND	0.0054	0.0014	mg/kg	
135-98-8	sec-Butylbenzene	ND	0.0054	0.0013	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0054	0.0013	mg/kg	
108-90-7	Chlorobenzene	ND	0.0054	0.0011	mg/kg	
75-00-3	Chloroethane	ND	0.0054	0.0022	mg/kg	
67-66-3	Chloroform	ND	0.0054	0.0011	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0054	0.0011	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0054	0.0013	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0054	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0054	0.0011	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0054	0.0013	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0054	0.0011	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0054	0.0011	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0054	0.0013	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0054	0.0011	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0054	0.0011	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0054	0.0011	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0054	0.0011	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0054	0.0011	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0054	0.0011	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0054	0.0011	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0054	0.0011	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0054	0.0011	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0054	0.0012	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0054	0.0014	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0054	0.0011	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.0054	0.0011	mg/kg	
64-17-5	Ethyl alcohol	ND	0.44	0.071	mg/kg	
100-41-4	Ethylbenzene	ND	0.0054	0.0012	mg/kg	
591-78-6	2-Hexanone	ND	0.027	0.0054	mg/kg	
98-82-8	Isopropylbenzene	ND	0.0054	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	ND	0.0054	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.027	0.0054	mg/kg	
74-83-9	Methyl bromide	ND	0.0054	0.0022	mg/kg	
74-87-3	Methyl chloride	ND	0.0054	0.0023	mg/kg	
75-09-2	Methylene chloride	ND	0.011	0.0050	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.027	0.0054	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0054	0.0011	mg/kg	
91-20-3	Naphthalene	ND	0.0054	0.0022	mg/kg	
103-65-1	n-Propylbenzene	ND	0.0054	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0054	0.0011	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0054	0.0012	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0054	0.0011	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0054	0.0011	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0054	0.0011	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0054	0.0011	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0054	0.0018	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0054	0.0013	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	0.0054	0.0012	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	0.0054	0.0011	mg/kg	
127-18-4	Tetrachloroethylene	ND	0.0054	0.0013	mg/kg	
108-88-3	Toluene	ND	0.0054	0.0011	mg/kg	
79-01-6	Trichloroethylene	ND	0.0054	0.0011	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0054	0.0022	mg/kg	
75-01-4	Vinyl chloride	ND	0.0054	0.0011	mg/kg	
108-05-4	Vinyl Acetate	ND	0.027	0.0045	mg/kg	
1330-20-7	Xylene (total)	ND	0.016	0.0033	mg/kg	
	m,p-Xylene	ND	0.011	0.0022	mg/kg	
95-47-6	o-Xylene	ND	0.0054	0.0011	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	110%		75-124%
2037-26-5	Toluene-D8	82%		75-126%
460-00-4	4-Bromofluorobenzene	96%		71-133%
17060-07-0	1,2-Dichloroethane-D4	130%		72-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	X028033.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
Run #2							

	Initial Weight	Final Volume
Run #1	30.0 g	1.0 ml
Run #2		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1.2	0.23	mg/kg	
95-57-8	2-Chlorophenol	ND	0.23	0.027	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.23	0.025	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.23	0.026	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.23	0.034	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.2	0.23	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.46	0.092	mg/kg	
95-48-7	2-Methylphenol	ND	0.23	0.029	mg/kg	
	3&4-Methylphenol	ND	0.23	0.048	mg/kg	
88-75-5	2-Nitrophenol	ND	0.23	0.035	mg/kg	
100-02-7	4-Nitrophenol	ND	1.2	0.18	mg/kg	
87-86-5	Pentachlorophenol	ND	1.2	0.18	mg/kg	
108-95-2	Phenol	ND	0.23	0.038	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.23	0.030	mg/kg	
83-32-9	Acenaphthene	ND	0.23	0.027	mg/kg	
208-96-8	Acenaphthylene	ND	0.23	0.027	mg/kg	
120-12-7	Anthracene	ND	0.23	0.023	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.23	0.023	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.23	0.023	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.23	0.023	mg/kg	
191-24-2	Benzo(g,h,i)perylene	0.120	0.23	0.023	mg/kg	J
207-08-9	Benzo(k)fluoranthene	ND	0.23	0.027	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.23	0.029	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.23	0.046	mg/kg	
100-51-6	Benzyl Alcohol	ND	0.23	0.046	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.23	0.030	mg/kg	
106-47-8	4-Chloroaniline	ND	0.23	0.035	mg/kg	
218-01-9	Chrysene	ND	0.23	0.023	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.23	0.032	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.23	0.031	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.23	0.026	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.23	0.024	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.23	0.023	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.23	0.026	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.23	0.030	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.23	0.025	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.23	0.039	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.23	0.023	mg/kg	
132-64-9	Dibenzofuran	ND	0.23	0.023	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.46	0.046	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.23	0.046	mg/kg	
84-66-2	Diethyl phthalate	ND	0.46	0.046	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.23	0.046	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	0.46	0.046	mg/kg	
206-44-0	Fluoranthene	ND	0.23	0.023	mg/kg	
86-73-7	Fluorene	ND	0.23	0.026	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.23	0.023	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.23	0.025	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.23	0.032	mg/kg	
67-72-1	Hexachloroethane	ND	0.23	0.026	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	0.0280	0.23	0.023	mg/kg	J
78-59-1	Isophorone	ND	0.23	0.025	mg/kg	
90-12-0	1-Methylnaphthalene	ND	0.23	0.031	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.23	0.027	mg/kg	
91-20-3	Naphthalene	ND	0.23	0.023	mg/kg	
98-95-3	Nitrobenzene	ND	0.23	0.034	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.23	0.025	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.23	0.046	mg/kg	
85-01-8	Phenanthrene	ND	0.23	0.023	mg/kg	
129-00-0	Pyrene	ND	0.23	0.023	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.23	0.025	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	61%		40-102%
4165-62-2	Phenol-d5	68%		41-100%
118-79-6	2,4,6-Tribromophenol	89%		42-108%
4165-60-0	Nitrobenzene-d5	71%		40-105%
321-60-8	2-Fluorobiphenyl	128% [a]		43-107%
1718-51-0	Terphenyl-d14	91%		45-119%

(a) Outside control limits.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP VPH REV 1.1	**Percent Solids:**	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UU002669.D	1	04/23/13	AH	n/a	n/a	GUU141
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	7.24 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.068	0.068	mg/kg	
100-41-4	Ethylbenzene	ND	0.14	0.068	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.14	0.068	mg/kg	
91-20-3	Naphthalene	ND	0.34	0.20	mg/kg	
108-88-3	Toluene	ND	0.14	0.068	mg/kg	
	m,p-Xylene	ND	0.27	0.14	mg/kg	
95-47-6	o-Xylene	ND	0.14	0.068	mg/kg	
	C5- C8 Aliphatics (Unadj.)	ND	6.8	2.4	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	6.8	2.4	mg/kg	
	C9- C10 Aromatics (Unadj.)	ND	6.8	2.4	mg/kg	
	C5- C8 Aliphatics	ND	6.8	2.4	mg/kg	
	C9- C12 Aliphatics	ND	6.8	2.4	mg/kg	
	C9- C10 Aromatics	ND	6.8	2.4	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	136% [a]		70-130%
460-00-4	BFB	139% [a]		70-130%

(a) Outside control limits due to moisture content.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP EPH REV 1.1 SW846 3546	**Percent Solids:**	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NN004434.D	2	04/25/13	NMC	04/22/13	OP46542	GNN190
Run #2							

	Initial Weight	Final Volume
Run #1	19.9 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	0.56	0.28	mg/kg	
208-96-8	Acenaphthylene	ND	0.56	0.28	mg/kg	
120-12-7	Anthracene	ND	0.56	0.28	mg/kg	
56-55-3	Benzo(a)anthracene	ND	0.56	0.28	mg/kg	
50-32-8	Benzo(a)pyrene	ND	0.56	0.28	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.56	0.28	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.56	0.28	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.56	0.28	mg/kg	
218-01-9	Chrysene	ND	0.56	0.28	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.56	0.28	mg/kg	
206-44-0	Fluoranthene	ND	0.56	0.28	mg/kg	
86-73-7	Fluorene	ND	0.56	0.28	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.56	0.28	mg/kg	
91-57-6	2-Methylnaphthalene	ND	0.56	0.28	mg/kg	
91-20-3	Naphthalene	ND	0.56	0.28	mg/kg	
85-01-8	Phenanthrene	ND	0.56	0.28	mg/kg	
129-00-0	Pyrene	ND	0.56	0.28	mg/kg	
	C11-C22 Aromatics (Unadj.)	44.9	28	21	mg/kg	
	C11-C22 Aromatics	44.9	28	21	mg/kg	
	C9-C18 Aliphatics	ND	28	14	mg/kg	
	C19-C36 Aliphatics	270	28	14	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	64%		40-140%
580-13-2	2-Bromonaphthalene	71%		40-140%
84-15-1	o-Terphenyl	47%		40-140%
321-60-8	2-Fluorobiphenyl	69%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E NW		
Lab Sample ID:	FA3839-7	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	72.3
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	37.7	0.59	0.11	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]
Lead	331	1.2	0.064	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10693
(2) Prep QC Batch: MP25004

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	G0088332.D	1	04/19/13	EP	n/a	n/a	VG3176
Run #2							

	Initial Weight
Run #1	6.20 g
Run #2	

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	0.0881	0.052	0.021	mg/kg	
71-43-2	Benzene	ND	0.0052	0.0010	mg/kg	
108-86-1	Bromobenzene	ND	0.0052	0.0011	mg/kg	
74-97-5	Bromochloromethane	ND	0.0052	0.0015	mg/kg	
75-27-4	Bromodichloromethane	ND	0.0052	0.0015	mg/kg	
75-25-2	Bromoform	ND	0.0052	0.0010	mg/kg	
104-51-8	n-Butylbenzene	0.0264	0.0052	0.0013	mg/kg	
135-98-8	sec-Butylbenzene	0.0093	0.0052	0.0013	mg/kg	
98-06-6	tert-Butylbenzene	ND	0.0052	0.0012	mg/kg	
108-90-7	Chlorobenzene	ND	0.0052	0.0010	mg/kg	
75-00-3	Chloroethane	ND	0.0052	0.0021	mg/kg	
67-66-3	Chloroform	ND	0.0052	0.0010	mg/kg	
95-49-8	o-Chlorotoluene	ND	0.0052	0.0010	mg/kg	
106-43-4	p-Chlorotoluene	ND	0.0052	0.0012	mg/kg	
56-23-5	Carbon tetrachloride	ND	0.0052	0.0012	mg/kg	
75-34-3	1,1-Dichloroethane	ND	0.0052	0.0010	mg/kg	
75-35-4	1,1-Dichloroethylene	ND	0.0052	0.0013	mg/kg	
563-58-6	1,1-Dichloropropene	ND	0.0052	0.0010	mg/kg	
106-93-4	1,2-Dibromoethane	ND	0.0052	0.0010	mg/kg	
107-06-2	1,2-Dichloroethane	ND	0.0052	0.0013	mg/kg	
78-87-5	1,2-Dichloropropane	ND	0.0052	0.0010	mg/kg	
142-28-9	1,3-Dichloropropane	ND	0.0052	0.0010	mg/kg	
108-20-3	Di-Isopropyl ether	ND	0.0052	0.0011	mg/kg	
594-20-7	2,2-Dichloropropane	ND	0.0052	0.0010	mg/kg	
124-48-1	Dibromochloromethane	ND	0.0052	0.0010	mg/kg	
75-71-8	Dichlorodifluoromethane	ND	0.0052	0.0010	mg/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	0.0052	0.0010	mg/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	0.0052	0.0010	mg/kg	
541-73-1	m-Dichlorobenzene	ND	0.0052	0.0010	mg/kg	
95-50-1	o-Dichlorobenzene	ND	0.0052	0.0011	mg/kg	
106-46-7	p-Dichlorobenzene	ND	0.0052	0.0014	mg/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	0.0052	0.0010	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8260B	**Percent Solids:**	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

VOA List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
10061-02-6	trans-1,3-Dichloropropene	ND	0.0052	0.0010	mg/kg	
64-17-5	Ethyl alcohol	ND	0.42	0.068	mg/kg	
100-41-4	Ethylbenzene	0.0090	0.0052	0.0011	mg/kg	
591-78-6	2-Hexanone	ND	0.026	0.0052	mg/kg	
98-82-8	Isopropylbenzene	0.0098	0.0052	0.0014	mg/kg	
99-87-6	p-Isopropyltoluene	0.0052	0.0052	0.0014	mg/kg	
108-10-1	4-Methyl-2-pentanone	ND	0.026	0.0052	mg/kg	
74-83-9	Methyl bromide	ND	0.0052	0.0021	mg/kg	
74-87-3	Methyl chloride	ND	0.0052	0.0022	mg/kg	
75-09-2	Methylene chloride	ND	0.010	0.0048	mg/kg	
78-93-3	Methyl ethyl ketone	ND	0.026	0.0052	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.0052	0.0010	mg/kg	
91-20-3	Naphthalene	0.137	0.0052	0.0021	mg/kg	
103-65-1	n-Propylbenzene	0.0505	0.0052	0.0011	mg/kg	
100-42-5	Styrene	ND	0.0052	0.0010	mg/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	0.0052	0.0011	mg/kg	
71-55-6	1,1,1-Trichloroethane	ND	0.0052	0.0010	mg/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.0052	0.0010	mg/kg	
79-00-5	1,1,2-Trichloroethane	ND	0.0052	0.0010	mg/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	0.0052	0.0011	mg/kg	
96-18-4	1,2,3-Trichloropropane	ND	0.0052	0.0017	mg/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	0.0052	0.0012	mg/kg	
95-63-6	1,2,4-Trimethylbenzene	0.157	0.0052	0.0011	mg/kg	
108-67-8	1,3,5-Trimethylbenzene	0.0016	0.0052	0.0011	mg/kg	J
127-18-4	Tetrachloroethylene	ND	0.0052	0.0012	mg/kg	
108-88-3	Toluene	ND	0.0052	0.0010	mg/kg	
79-01-6	Trichloroethylene	ND	0.0052	0.0010	mg/kg	
75-69-4	Trichlorofluoromethane	ND	0.0052	0.0021	mg/kg	
75-01-4	Vinyl chloride	ND	0.0052	0.0010	mg/kg	
108-05-4	Vinyl Acetate	ND	0.026	0.0043	mg/kg	
1330-20-7	Xylene (total)	ND	0.016	0.0032	mg/kg	
	m,p-Xylene	ND	0.010	0.0022	mg/kg	
95-47-6	o-Xylene	0.0032	0.0052	0.0010	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
1868-53-7	Dibromofluoromethane	123%		75-124%
2037-26-5	Toluene-D8	83%		75-126%
460-00-4	4-Bromofluorobenzene	119%		71-133%
17060-07-0	1,2-Dichloroethane-D4	132%		72-135%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	L062794.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187
Run #2							

	Initial Weight	Final Volume
Run #1	29.9 g	1.0 ml
Run #2		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	1.1	0.22	mg/kg	
95-57-8	2-Chlorophenol	ND	0.22	0.025	mg/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	0.22	0.024	mg/kg	
120-83-2	2,4-Dichlorophenol	ND	0.22	0.024	mg/kg	
105-67-9	2,4-Dimethylphenol	ND	0.22	0.032	mg/kg	
51-28-5	2,4-Dinitrophenol	ND	1.1	0.22	mg/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	0.43	0.087	mg/kg	
95-48-7	2-Methylphenol	ND	0.22	0.027	mg/kg	
	3&4-Methylphenol	ND	0.22	0.045	mg/kg	
88-75-5	2-Nitrophenol	ND	0.22	0.032	mg/kg	
100-02-7	4-Nitrophenol	ND	1.1	0.17	mg/kg	
87-86-5	Pentachlorophenol	ND	1.1	0.17	mg/kg	
108-95-2	Phenol	ND	0.22	0.035	mg/kg	
88-06-2	2,4,6-Trichlorophenol	ND	0.22	0.028	mg/kg	
83-32-9	Acenaphthene	ND	0.22	0.026	mg/kg	
208-96-8	Acenaphthylene	ND	0.22	0.025	mg/kg	
120-12-7	Anthracene	ND	0.22	0.022	mg/kg	
56-55-3	Benzo(a)anthracene	0.0223	0.22	0.022	mg/kg	J
50-32-8	Benzo(a)pyrene	ND	0.22	0.022	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	0.22	0.022	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	0.22	0.022	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	0.22	0.026	mg/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	0.22	0.028	mg/kg	
85-68-7	Butyl benzyl phthalate	ND	0.22	0.043	mg/kg	
100-51-6	Benzyl Alcohol	ND	0.22	0.043	mg/kg	
91-58-7	2-Chloronaphthalene	ND	0.22	0.028	mg/kg	
106-47-8	4-Chloroaniline	ND	0.22	0.033	mg/kg	
218-01-9	Chrysene	ND	0.22	0.022	mg/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	0.22	0.030	mg/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	0.22	0.029	mg/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	0.22	0.025	mg/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	0.22	0.023	mg/kg	

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8270D SW846 3550C	**Percent Solids:**	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

ABN List for NC, May 2012

CAS No.	Compound	Result	RL	MDL	Units	Q
95-50-1	1,2-Dichlorobenzene	ND	0.22	0.022	mg/kg	
122-66-7	1,2-Diphenylhydrazine	ND	0.22	0.024	mg/kg	
541-73-1	1,3-Dichlorobenzene	ND	0.22	0.028	mg/kg	
106-46-7	1,4-Dichlorobenzene	ND	0.22	0.023	mg/kg	
91-94-1	3,3'-Dichlorobenzidine	ND	0.22	0.036	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	0.22	0.022	mg/kg	
132-64-9	Dibenzofuran	ND	0.22	0.022	mg/kg	
84-74-2	Di-n-butyl phthalate	ND	0.43	0.043	mg/kg	
117-84-0	Di-n-octyl phthalate	ND	0.22	0.043	mg/kg	
84-66-2	Diethyl phthalate	ND	0.43	0.043	mg/kg	
131-11-3	Dimethyl phthalate	ND	0.22	0.043	mg/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	0.149	0.43	0.043	mg/kg	J
206-44-0	Fluoranthene	ND	0.22	0.022	mg/kg	
86-73-7	Fluorene	ND	0.22	0.024	mg/kg	
118-74-1	Hexachlorobenzene	ND	0.22	0.022	mg/kg	
87-68-3	Hexachlorobutadiene	ND	0.22	0.024	mg/kg	
77-47-4	Hexachlorocyclopentadiene	ND	0.22	0.030	mg/kg	
67-72-1	Hexachloroethane	ND	0.22	0.025	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.22	0.022	mg/kg	
78-59-1	Isophorone	ND	0.22	0.024	mg/kg	
90-12-0	1-Methylnaphthalene	0.0981	0.22	0.030	mg/kg	J
91-57-6	2-Methylnaphthalene	ND	0.22	0.025	mg/kg	
91-20-3	Naphthalene	0.0305	0.22	0.022	mg/kg	J
98-95-3	Nitrobenzene	ND	0.22	0.032	mg/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	0.22	0.024	mg/kg	
86-30-6	N-Nitrosodiphenylamine	ND	0.22	0.043	mg/kg	
85-01-8	Phenanthrene	ND	0.22	0.022	mg/kg	
129-00-0	Pyrene	0.0473	0.22	0.022	mg/kg	J
120-82-1	1,2,4-Trichlorobenzene	ND	0.22	0.023	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
367-12-4	2-Fluorophenol	56%		40-102%
4165-62-2	Phenol-d5	63%		41-100%
118-79-6	2,4,6-Tribromophenol	73%		42-108%
4165-60-0	Nitrobenzene-d5	55%		40-105%
321-60-8	2-Fluorobiphenyl	62%		43-107%
1718-51-0	Terphenyl-d14	80%		45-119%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP VPH REV 1.1	**Percent Solids:**	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	UU002735.D	1	04/25/13	MM	n/a	n/a	GUU146
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.65 g	5.1 ml	100 ul
Run #2			

MADEP VPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	0.064	0.064	mg/kg	
100-41-4	Ethylbenzene	ND	0.13	0.064	mg/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	0.13	0.064	mg/kg	
91-20-3	Naphthalene	0.675	0.32	0.19	mg/kg	B
108-88-3	Toluene	ND	0.13	0.064	mg/kg	
	m,p-Xylene	ND	0.26	0.13	mg/kg	
95-47-6	o-Xylene	ND	0.13	0.064	mg/kg	
	C5- C8 Aliphatics (Unadj.)	ND	6.4	2.3	mg/kg	
	C9- C12 Aliphatics (Unadj.)	ND	6.4	2.3	mg/kg	
	C9- C10 Aromatics (Unadj.)	3.11	6.4	2.3	mg/kg	J
	C5- C8 Aliphatics	ND	6.4	2.3	mg/kg	
	C9- C12 Aliphatics	ND	6.4	2.3	mg/kg	
	C9- C10 Aromatics	3.11	6.4	2.3	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	BFB	93%		70-130%
460-00-4	BFB	91%		70-130%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	MADEP EPH REV 1.1 SW846 3546	**Percent Solids:**	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	NN004435.D	5	04/25/13	NMC	04/22/13	OP46542	GNN190
Run #2							

	Initial Weight	Final Volume
Run #1	20.3 g	2.0 ml
Run #2		

MAEPH List

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	1.3	0.64	mg/kg	
208-96-8	Acenaphthylene	ND	1.3	0.64	mg/kg	
120-12-7	Anthracene	ND	1.3	0.64	mg/kg	
56-55-3	Benzo(a)anthracene	ND	1.3	0.64	mg/kg	
50-32-8	Benzo(a)pyrene	ND	1.3	0.64	mg/kg	
205-99-2	Benzo(b)fluoranthene	ND	1.3	0.64	mg/kg	
191-24-2	Benzo(g,h,i)perylene	ND	1.3	0.64	mg/kg	
207-08-9	Benzo(k)fluoranthene	ND	1.3	0.64	mg/kg	
218-01-9	Chrysene	ND	1.3	0.64	mg/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	1.3	0.64	mg/kg	
206-44-0	Fluoranthene	ND	1.3	0.64	mg/kg	
86-73-7	Fluorene	ND	1.3	0.64	mg/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	1.3	0.64	mg/kg	
91-57-6	2-Methylnaphthalene	ND	1.3	0.64	mg/kg	
91-20-3	Naphthalene	ND	1.3	0.64	mg/kg	
85-01-8	Phenanthrene	ND	1.3	0.64	mg/kg	
129-00-0	Pyrene	ND	1.3	0.64	mg/kg	
	C11-C22 Aromatics (Unadj.)	ND	64	48	mg/kg	
	C11-C22 Aromatics	ND	64	48	mg/kg	
	C9-C18 Aliphatics	ND	64	32	mg/kg	
	C19-C36 Aliphatics	640	64	32	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
3386-33-2	1-Chlorooctadecane	83%		40-140%
580-13-2	2-Bromonaphthalene	82%		40-140%
84-15-1	o-Terphenyl	62%		40-140%
321-60-8	2-Fluorobiphenyl	81%		40-140%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	T2 E EW		
Lab Sample ID:	FA3839-8	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	77.2
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Chromium	16.2	0.53	0.095	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]
Lead	13.7	1.1	0.058	mg/kg	1	04/22/13	04/23/13 LM	SW846 6010C [1]	SW846 3050B [2]

(1) Instrument QC Batch: MA10693
(2) Prep QC Batch: MP25004

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DISP		
Lab Sample ID:	FA3839-9	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C	**Percent Solids:**	77.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	QR076125.D	1	04/23/13	MM	n/a	n/a	GQR3264
Run #2							

	Initial Weight	Final Volume	Methanol Aliquot
Run #1	6.46 g	5.0 ml	100 ul
Run #2			

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	4.94	6.4	3.2	mg/kg	J

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
460-00-4	4-Bromofluorobenzene	117%		56-149%
98-08-8	aaa-Trifluorotoluene	97%		66-132%

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range

J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DISP		
Lab Sample ID:	FA3839-9	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
Method:	SW846 8015C SW846 3550C	**Percent Solids:**	77.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
Run #1	LL47728.D	20	04/24/13	NJ	04/22/13	OP46537	GLL1802
Run #2							

	Initial Weight	Final Volume
Run #1	30.3 g	1.0 ml
Run #2		

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28) [a]	1310	210	85	mg/kg	

CAS No.	Surrogate Recoveries	Run# 1	Run# 2	Limits
84-15-1	o-Terphenyl	0% [b]		56-122%

(a) Petroleum hydrocarbon pattern extends beyond C28.
(b) Outside control limits due to dilution.

ND = Not detected MDL - Method Detection Limit
RL = Reporting Limit
E = Indicates value exceeds calibration range
J = Indicates an estimated value
B = Indicates analyte found in associated method blank
N = Indicates presumptive evidence of a compound

Report of Analysis

Client Sample ID:	DISP		
Lab Sample ID:	FA3839-9	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	77.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis

Analyte	Result	RL	MDL	Units	DF	Prep	Analyzed By	Method	Prep Method
Mercury	0.082	0.052	0.0052	mg/kg	1	04/22/13	04/22/13 JL	SW846 7471B [1]	SW846 7471B [2]

(1) Instrument QC Batch: MA10687
(2) Prep QC Batch: MP24998

RL = Reporting Limit
MDL = Method Detection Limit

U = Indicates a result < MDL
J = Indicates a result > = MDL but < RL

Report of Analysis

Client Sample ID:	DISP		
Lab Sample ID:	FA3839-9	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	77.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

General Chemistry

Analyte	Result	RL	Units	DF	Analyzed	By	Method
Ignitability (Flashpoint) [a]	> 200		Deg. F	1	04/24/13 07:30	MG	SW846 1010
Solids, Percent	77.7		%	1	04/25/13 11:17	LE	SM19 2540G

(a) Not ignitable.

RL = Reporting Limit

Report of Analysis

Client Sample ID:	DISP		
Lab Sample ID:	FA3839-9L	**Date Sampled:**	04/17/13
Matrix:	SO - Soil	**Date Received:**	04/19/13
		Percent Solids:	77.7
Project:	Southern Tire Store Apex; 548 E Williams St, NC		

Metals Analysis, TCLP Leachate SW846 1311

Analyte	Result	HW#	MCL	RL	MDL	Units	DF	Prep	Analyzed	By	Method
Arsenic	0.025 U	D004	5.0	0.10	0.025	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]
Barium	0.076 J	D005	100	2.0	0.050	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]
Cadmium	0.0050 U	D006	1.0	0.050	0.0050	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]
Chromium	0.020 U	D007	5.0	0.10	0.020	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]
Lead	0.13	D008	5.0	0.050	0.011	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]
Mercury	0.00050 U	D009	0.20	0.0050	0.00050	mg/l	1	04/25/13	04/25/13	JL	SW846 7470A [1]
Selenium	0.020 U	D010	1.0	0.10	0.020	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]
Silver	0.0050 U	D011	5.0	0.10	0.0050	mg/l	1	04/26/13	04/26/13	LM	SW846 6010C [2]

(1) Instrument QC Batch: MA10696
(2) Instrument QC Batch: MA10703
(3) Prep QC Batch: MP25025
(4) Prep QC Batch: MP25028

RL = Reporting Limit MDL = Method Detection Limit U = Indicates a result < MDL
MCL = Maximum Contamination Level (40 CFR 261 6/96) J = Indicates a result > = MDL but < RL

Southeast ACCUTEST LABORATORIES

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody

CHAIN OF CUSTODY

ACCUTEST.

4405 Vineland Rd., Suite C15
Orlando, FL 32811
Phone: 407-425-6700 Fax: 407-425-0707

Page 1 of 1

Accutest Job #: FA3839

Accutest Control #:

Client Information

Name: Art Davis EPS of Vermont
Address: 405 South Rogers Ln.
City: Raleigh State: NC Zip: 27610
Send Report to: smiller@hosnc.com
Email: adavis@epsofvermont.com

Facility Information

Project Name: Southern Tire Store - Apex
Location: 548 E. Williams St
Project No.: (SM) (~~107034 HES#~~) M3118
Phone #:
FAX #:

Analytical Information

Field ID / Point of Collection	Date	Time	Sampled By	Matrix	# of bottles	Preservation: NONE	HCL	HNO3	H2SO4	NaOH	DI H2O	Na2S2O3	NaOH	GRO	DRO	8260 (*)	8270 (**)	Pb +Cr	EPH	VPH	8 RCRA Metals	Flashpoint		
1 T1SF	4-17-13	1120	SM	Soil	6	2						2	2	X	X	X	X							
2 T1NF		1124	SM	Soil	6	2						2	2	X	X	X	X							
3 T2F		1600			3	1							2	X	X			X						
4 T2ESW		1700			7	3						2	2			X	X	X	X	X				
5 T2ENW		1740			7	3						2	2			X	X	X	X	X				
6 T2EF		1747			7	3						2	2			X	X	X	X	X				
7 T2ENW		1757			7	3						2	2			X	X	X	X	X				
8 T2E EW		1812			7	3						2	2			X	X	X	X	X				
9 DISP		1900												X	X						X	X		
																								(SM)

Turnaround Time (Business Days)

Approved By:

- [x] 7 Day STD
- [ ] 3 Day *RUSH*
- [ ] Other _____ (Days)

RUSH TAT is by Email only
Date unless previously approved.

Data Deliverable Information

- [ ] Level I (Results only)
- [x] Level II (Results + QC)
- [ ] Level III (Full Data Package less Raw Data)
- [ ] Level IV (Full Data Package plus Raw Data)
- [ ] EDD

Comments / Remarks

RALEIGH, NC (*) PLEASE BILL EPS VT:
PO # 6083M

SVC CENTER (**) HOLD these 8260/8270 pending GRO/DRO results

Sample Custody must be documented below each time samples change possession (including courier delivery).

Relinquished By:	Date/Time:	Received By:	Date/Time:	Relinquished By:	Date/Time:	Received By:	Date/Time:
1 Xandra K Miller	4-18-13 1755	1 Brent Nader	4/18/13 1755	2 Brent Nader	4/18/13 1800	2 FK	4/18/13 1800
3 FK	04/19/13 1030	3 R Miller		4		4	
5		5					

Lab use only: Custody Seal Intact: YES [ ] NO [ ] Cooler Temperature(s) °C 2.2, 2.0

FA3839: Chain of Custody
Page 1 of 3

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: FA3839 CLIENT: EPS PROJECT: Southern tire Store

DATE/TIME RECEIVED: 04-19-13 1030 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 2

METHOD OF DELIVERY: (FEDEX) UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER

AIRBILL NUMBERS: 7995 6367 7950/8100

COOLER INFORMATION

- [ ] CUSTODY SEAL NOT PRESENT OR NOT INTACT
- [ ] CHAIN OF CUSTODY NOT RECEIVED (COC)
- [ ] ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- [ ] SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- [ ] TEMPERATURE CRITERIA NOT MET
- [ ] WET ICE PRESENT

TRIP BLANK INFORMATION

- [ ] TRIP BLANK PROVIDED
- [x] TRIP BLANK NOT PROVIDED
- [x] TRIP BLANK NOT ON COC
- [ ] TRIP BLANK INTACT
- [ ] TRIP BLANK NOT INTACT
- [ ] RECEIVED WATER TRIP BLANK
- [ ] RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 25-GRAM____ 5-GRAM____

NUMBER OF 5035 FIELD KITS ? 9

NUMBER OF LAB FILTERED METALS ? ____

TEMPERATURE INFORMATION

- [ ] IR THERM ID 3 CORR. FACTOR +0.4
- [ ] OBSERVED TEMPS: 1.8 1.6
- [ ] CORRECTED TEMPS: 2.2 2.0

SAMPLE INFORMATION

- [ ] SAMPLE LABELS PRESENT ON ALL BOTTLES
- [ ] INCORRECT NUMBER OF CONTAINERS USED
- [ ] SAMPLE RECEIVED IMPROPERLY PRESERVED
- [ ] INSUFFICIENT VOLUME FOR ANALYSIS
- [ ] DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- [ ] ID'S ON COC DO NOT MATCH LABEL
- [ ] VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- [ ] BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- [ ] NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- [ ] UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- [ ] SAMPLE CONTAINER(S) RECEIVED BROKEN
- [ ] % SOLIDS JAR NOT RECEIVED
- [ ] 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- [ ] RESIDUAL CHLORINE PRESENT

(APPICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS:

TECHNICIAN SIGNATURE/DATE R Willis 04-19-13 REVIEWER SIGNATURE/DATE [signature] 04/19/13

NF 12/10

receipt confirmation 122910.xls

4.1 4

FA3839: Chain of Custody
Page 2 of 3

Job Change Order: FA3839_4/22/2013

Requested Date:	4/22/2013	**Received Date:**	4/19/2013
Account Name:	EPS of Vermont, Inc	**Due Date:**	4/26/2013
Project Description:	Southern Tire Store Apex; 548 E Williams St, NC	**Deliverable:**	COMMB
CSR:	AC	**TAT (Days):**	4

Sample #: FA3839-9

Change: Please analyze sample for TCLP metals. Cancel total metals.

DISP

Above Changes Art Davis **Date:** 4/22/2013

To Client: This Change Order is confirmation of the revisions, previously discussed with the Accutest Client Service Representative.

Page 1 of 1

Southeast ACCUTEST LABORATORIES

GC/MS Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG3176-MB	G0088316.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	Result	RL	MDL	Units	Q
67-64-1	Acetone	ND	50	20	ug/kg	
71-43-2	Benzene	ND	5.0	1.0	ug/kg	
108-86-1	Bromobenzene	ND	5.0	1.1	ug/kg	
74-97-5	Bromochloromethane	ND	5.0	1.4	ug/kg	
75-27-4	Bromodichloromethane	ND	5.0	1.4	ug/kg	
75-25-2	Bromoform	ND	5.0	1.0	ug/kg	
104-51-8	n-Butylbenzene	ND	5.0	1.3	ug/kg	
135-98-8	sec-Butylbenzene	ND	5.0	1.2	ug/kg	
98-06-6	tert-Butylbenzene	ND	5.0	1.2	ug/kg	
108-90-7	Chlorobenzene	ND	5.0	1.0	ug/kg	
75-00-3	Chloroethane	ND	5.0	2.0	ug/kg	
67-66-3	Chloroform	ND	5.0	1.0	ug/kg	
95-49-8	o-Chlorotoluene	ND	5.0	1.0	ug/kg	
106-43-4	p-Chlorotoluene	ND	5.0	1.2	ug/kg	
56-23-5	Carbon tetrachloride	ND	5.0	1.1	ug/kg	
75-34-3	1,1-Dichloroethane	ND	5.0	1.0	ug/kg	
75-35-4	1,1-Dichloroethylene	ND	5.0	1.2	ug/kg	
563-58-6	1,1-Dichloropropene	ND	5.0	1.0	ug/kg	
106-93-4	1,2-Dibromoethane	ND	5.0	1.0	ug/kg	
107-06-2	1,2-Dichloroethane	ND	5.0	1.2	ug/kg	
78-87-5	1,2-Dichloropropane	ND	5.0	1.0	ug/kg	
142-28-9	1,3-Dichloropropane	ND	5.0	1.0	ug/kg	
108-20-3	Di-Isopropyl ether	ND	5.0	1.0	ug/kg	
594-20-7	2,2-Dichloropropane	ND	5.0	1.0	ug/kg	
124-48-1	Dibromochloromethane	ND	5.0	1.0	ug/kg	
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	ug/kg	
156-59-2	cis-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-01-5	cis-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
541-73-1	m-Dichlorobenzene	ND	5.0	1.0	ug/kg	
95-50-1	o-Dichlorobenzene	ND	5.0	1.1	ug/kg	
106-46-7	p-Dichlorobenzene	ND	5.0	1.3	ug/kg	
156-60-5	trans-1,2-Dichloroethylene	ND	5.0	1.0	ug/kg	
10061-02-6	trans-1,3-Dichloropropene	ND	5.0	1.0	ug/kg	
64-17-5	Ethyl alcohol	ND	400	65	ug/kg	
100-41-4	Ethylbenzene	ND	5.0	1.1	ug/kg	
591-78-6	2-Hexanone	ND	25	5.0	ug/kg	

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG3176-MB	G0088316.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	Result	RL	MDL	Units	Q
98-82-8	Isopropylbenzene	ND	5.0	1.3	ug/kg	
99-87-6	p-Isopropyltoluene	ND	5.0	1.3	ug/kg	
108-10-1	4-Methyl-2-pentanone	ND	25	5.0	ug/kg	
74-83-9	Methyl bromide	ND	5.0	2.0	ug/kg	
74-87-3	Methyl chloride	ND	5.0	2.1	ug/kg	
75-09-2	Methylene chloride	ND	10	4.6	ug/kg	
78-93-3	Methyl ethyl ketone	ND	25	5.0	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	5.0	1.0	ug/kg	
91-20-3	Naphthalene	ND	5.0	2.0	ug/kg	
103-65-1	n-Propylbenzene	ND	5.0	1.0	ug/kg	
100-42-5	Styrene	ND	5.0	1.0	ug/kg	
630-20-6	1,1,1,2-Tetrachloroethane	ND	5.0	1.1	ug/kg	
71-55-6	1,1,1-Trichloroethane	ND	5.0	1.0	ug/kg	
79-34-5	1,1,2,2-Tetrachloroethane	ND	5.0	1.0	ug/kg	
79-00-5	1,1,2-Trichloroethane	ND	5.0	1.0	ug/kg	
87-61-6	1,2,3-Trichlorobenzene	ND	5.0	1.1	ug/kg	
96-18-4	1,2,3-Trichloropropane	ND	5.0	1.6	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	5.0	1.2	ug/kg	
95-63-6	1,2,4-Trimethylbenzene	ND	5.0	1.1	ug/kg	
108-67-8	1,3,5-Trimethylbenzene	ND	5.0	1.1	ug/kg	
127-18-4	Tetrachloroethylene	ND	5.0	1.2	ug/kg	
108-88-3	Toluene	ND	5.0	1.0	ug/kg	
79-01-6	Trichloroethylene	ND	5.0	1.0	ug/kg	
75-69-4	Trichlorofluoromethane	ND	5.0	2.0	ug/kg	
75-01-4	Vinyl chloride	ND	5.0	1.0	ug/kg	
108-05-4	Vinyl Acetate	ND	25	4.1	ug/kg	
1330-20-7	Xylene (total)	ND	15	3.1	ug/kg	
	m,p-Xylene	ND	10	2.1	ug/kg	
95-47-6	o-Xylene	ND	5.0	1.0	ug/kg	

CAS No.	Surrogate Recoveries		Limits
1868-53-7	Dibromofluoromethane	102%	75-124%
2037-26-5	Toluene-D8	86%	75-126%
460-00-4	4-Bromofluorobenzene	99%	71-133%

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG3176-MB	G0088316.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Surrogate Recoveries		Limits
17060-07-0	1,2-Dichloroethane-D4	112%	72-135%

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG3176-BS	G0088315.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
67-64-1	Acetone	250	299	120	61-152
71-43-2	Benzene	50	54.3	109	76-126
108-86-1	Bromobenzene	50	54.5	109	76-122
74-97-5	Bromochloromethane	50	53.4	107	77-120
75-27-4	Bromodichloromethane	50	61.8	124	74-130
75-25-2	Bromoform	50	50.6	101	76-127
104-51-8	n-Butylbenzene	50	56.3	113	71-128
135-98-8	sec-Butylbenzene	50	56.6	113	79-135
98-06-6	tert-Butylbenzene	50	59.6	119	77-133
108-90-7	Chlorobenzene	50	57.8	116	81-129
75-00-3	Chloroethane	50	53.2	106	68-133
67-66-3	Chloroform	50	56.3	113	72-123
95-49-8	o-Chlorotoluene	50	56.4	113	77-129
106-43-4	p-Chlorotoluene	50	59.0	118	80-134
56-23-5	Carbon tetrachloride	50	62.5	125	78-133
75-34-3	1,1-Dichloroethane	50	53.5	107	73-125
75-35-4	1,1-Dichloroethylene	50	61.1	122	81-136
563-58-6	1,1-Dichloropropene	50	58.5	117	75-130
106-93-4	1,2-Dibromoethane	50	55.1	110	77-126
107-06-2	1,2-Dichloroethane	50	61.4	123	74-128
78-87-5	1,2-Dichloropropane	50	51.7	103	74-125
142-28-9	1,3-Dichloropropane	50	52.0	104	76-122
108-20-3	Di-Isopropyl ether	50	49.0	98	75-122
594-20-7	2,2-Dichloropropane	50	57.7	115	77-133
124-48-1	Dibromochloromethane	50	59.0	118	76-127
75-71-8	Dichlorodifluoromethane	50	52.3	105	68-168
156-59-2	cis-1,2-Dichloroethylene	50	53.2	106	74-126
10061-01-5	cis-1,3-Dichloropropene	50	54.6	109	80-123
541-73-1	m-Dichlorobenzene	50	58.1	116	81-129
95-50-1	o-Dichlorobenzene	50	57.8	116	80-129
106-46-7	p-Dichlorobenzene	50	53.7	107	76-130
156-60-5	trans-1,2-Dichloroethylene	50	56.6	113	70-127
10061-02-6	trans-1,3-Dichloropropene	50	52.1	104	75-131
64-17-5	Ethyl alcohol	1000	1120	112	53-154
100-41-4	Ethylbenzene	50	56.1	112	77-123
591-78-6	2-Hexanone	250	287	115	72-133

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG3176-BS	G0088315.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
98-82-8	Isopropylbenzene	50	50.1	100	80-136
99-87-6	p-Isopropyltoluene	50	58.0	116	77-131
108-10-1	4-Methyl-2-pentanone	250	248	99	76-132
74-83-9	Methyl bromide	50	63.8	128	65-139
74-87-3	Methyl chloride	50	50.4	101	71-144
75-09-2	Methylene chloride	50	55.8	112	74-137
78-93-3	Methyl ethyl ketone	250	294	118	75-137
1634-04-4	Methyl Tert Butyl Ether	50	52.5	105	77-120
91-20-3	Naphthalene	50	53.1	106	79-129
103-65-1	n-Propylbenzene	50	59.0	118	80-135
100-42-5	Styrene	50	45.6	91	78-125
630-20-6	1,1,1,2-Tetrachloroethane	50	59.4	119	78-126
71-55-6	1,1,1-Trichloroethane	50	59.2	118	70-129
79-34-5	1,1,2,2-Tetrachloroethane	50	53.5	107	71-126
79-00-5	1,1,2-Trichloroethane	50	48.1	96	74-124
87-61-6	1,2,3-Trichlorobenzene	50	53.2	106	77-128
96-18-4	1,2,3-Trichloropropane	50	54.9	110	74-127
120-82-1	1,2,4-Trichlorobenzene	50	55.1	110	78-130
95-63-6	1,2,4-Trimethylbenzene	50	53.1	106	74-123
108-67-8	1,3,5-Trimethylbenzene	50	54.2	108	73-122
127-18-4	Tetrachloroethylene	50	50.6	101	79-130
108-88-3	Toluene	50	46.0	92	76-124
79-01-6	Trichloroethylene	50	55.5	111	75-128
75-69-4	Trichlorofluoromethane	50	62.9	126	73-145
75-01-4	Vinyl chloride	50	54.3	109	76-141
108-05-4	Vinyl Acetate	250	293	117	48-164
1330-20-7	Xylene (total)	150	165	110	80-129
	m,p-Xylene	100	116	116	80-128
95-47-6	o-Xylene	50	48.5	97	80-132

CAS No.	Surrogate Recoveries	BSP	Limits
1868-53-7	Dibromofluoromethane	108%	75-124%
2037-26-5	Toluene-D8	86%	75-126%
460-00-4	4-Bromofluorobenzene	102%	71-133%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
VG3176-BS	G0088315.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Surrogate Recoveries	BSP	Limits
17060-07-0	1,2-Dichloroethane-D4	112%	72-135%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3814-1MS	G0088323.D	1	04/19/13	EP	n/a	n/a	VG3176
FA3814-1MSD	G0088324.D	1	04/19/13	EP	n/a	n/a	VG3176
FA3814-1	G0088319.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	FA3814-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
67-64-1	Acetone	38 U		217	195	90	194	87	1	61-152/27
71-43-2	Benzene	3.8 U		43.5	42.6	98	39.5	89	8	76-126/26
108-86-1	Bromobenzene	3.8 U		43.5	56.1	129*	37.5	84	40*	76-122/32
74-97-5	Bromochloromethane	3.8 U		43.5	42.0	97	39.8	89	5	77-120/24
75-27-4	Bromodichloromethane	3.8 U		43.5	46.2	106	40.9	92	12	74-130/25
75-25-2	Bromoform	3.8 U		43.5	42.3	97	42.6	96	1	76-127/26
104-51-8	n-Butylbenzene	3.8 U		43.5	39.9	92	31.6	71	23	71-128/35
135-98-8	sec-Butylbenzene	3.8 U		43.5	44.2	102	34.0	76*	26	79-135/34
98-06-6	tert-Butylbenzene	3.8 U		43.5	48.3	111	38.1	86	24	77-133/34
108-90-7	Chlorobenzene	3.8 U		43.5	46.2	106	40.1	90	14	81-129/29
75-00-3	Chloroethane	3.8 U		43.5	42.2	97	39.1	88	8	68-133/29
67-66-3	Chloroform	3.8 U		43.5	45.9	106	41.2	93	11	72-123/26
95-49-8	o-Chlorotoluene	3.8 U		43.5	59.2	136*	36.6	82	47*	77-129/33
106-43-4	p-Chlorotoluene	3.8 U		43.5	58.9	136*	38.0	85	43*	80-134/33
56-23-5	Carbon tetrachloride	3.8 U		43.5	52.7	121	44.9	101	16	78-133/29
75-34-3	1,1-Dichloroethane	3.8 U		43.5	43.9	101	39.2	88	11	73-125/27
75-35-4	1,1-Dichloroethylene	3.8 U		43.5	50.2	116	45.7	103	9	81-136/28
563-58-6	1,1-Dichloropropene	3.8 U		43.5	47.2	109	41.9	94	12	75-130/28
106-93-4	1,2-Dibromoethane	3.8 U		43.5	37.4	86	36.2	81	3	77-126/26
107-06-2	1,2-Dichloroethane	3.8 U		43.5	46.1	106	43.1	97	7	74-128/23
78-87-5	1,2-Dichloropropane	3.8 U		43.5	40.7	94	37.4	84	8	74-125/25
142-28-9	1,3-Dichloropropane	3.8 U		43.5	37.6	87	36.1	81	4	76-122/26
108-20-3	Di-Isopropyl ether	3.8 U		43.5	38.5	89	35.8	80	7	75-122/25
594-20-7	2,2-Dichloropropane	3.8 U		43.5	47.4	109	43.5	98	9	77-133/28
124-48-1	Dibromochloromethane	3.8 U		43.5	42.7	98	38.1	86	11	76-127/27
75-71-8	Dichlorodifluoromethane	3.8 U		43.5	43.0	99	37.4	84	14	68-168/29
156-59-2	cis-1,2-Dichloroethylene	3.8 U		43.5	43.7	101	38.6	87	12	74-126/26
10061-01-5	cis-1,3-Dichloropropene	3.8 U		43.5	42.2	97	38.2	86	10	80-123/26
541-73-1	m-Dichlorobenzene	3.8 U		43.5	47.9	110	37.6	85	24	81-129/33
95-50-1	o-Dichlorobenzene	3.8 U		43.5	43.9	101	36.3	82	19	80-129/32
106-46-7	p-Dichlorobenzene	3.8 U		43.5	44.0	101	35.3	79	22	76-130/32
156-60-5	trans-1,2-Dichloroethylene	3.8 U		43.5	44.9	103	40.5	91	10	70-127/27
10061-02-6	trans-1,3-Dichloropropene	3.8 U		43.5	38.3	88	35.7	80	7	75-131/28
64-17-5	Ethyl alcohol	300 U		869	907	104	969	109	7	53-154/42
100-41-4	Ethylbenzene	3.8 U		43.5	47.0	108	39.7	89	17	77-123/31
591-78-6	2-Hexanone	19 U		217	181	83	186	84	3	72-133/26

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3814-1MS	G0088323.D	1	04/19/13	EP	n/a	n/a	VG3176
FA3814-1MSD	G0088324.D	1	04/19/13	EP	n/a	n/a	VG3176
FA3814-1	G0088319.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	FA3814-1 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
98-82-8	Isopropylbenzene	3.8 U		43.5	48.7	112	40.8	92	18	80-136/32
99-87-6	p-Isopropyltoluene	3.8 U		43.5	47.1	108	37.2	84	23	77-131/34
108-10-1	4-Methyl-2-pentanone	19 U		217	161	74*	167	75*	4	76-132/26
74-83-9	Methyl bromide	3.8 U		43.5	48.8	112	45.4	102	7	65-139/31
74-87-3	Methyl chloride	3.8 U		43.5	39.1	90	37.5	84	4	71-144/27
75-09-2	Methylene chloride	7.6 U		43.5	43.3	100	41.5	93	4	74-137/28
78-93-3	Methyl ethyl ketone	19 U		217	177	81	192	86	8	75-137/25
1634-04-4	Methyl Tert Butyl Ether	3.8 U		43.5	38.8	89	37.6	85	3	77-120/24
91-20-3	Naphthalene	3.8 U		43.5	37.8	87	32.8	74*	14	79-129/33
103-65-1	n-Propylbenzene	3.8 U		43.5	62.1	143*	37.7	85	49*	80-135/33
100-42-5	Styrene	3.8 U		43.5	44.6	103	37.9	85	16	78-125/30
630-20-6	1,1,1,2-Tetrachloroethane	3.8 U		43.5	47.0	108	41.8	94	12	78-126/27
71-55-6	1,1,1-Trichloroethane	3.8 U		43.5	50.9	117	45.6	103	11	70-129/27
79-34-5	1,1,2,2-Tetrachloroethane	3.8 U		43.5	47.7	110	34.2	77	33*	71-126/30
79-00-5	1,1,2-Trichloroethane	3.8 U		43.5	36.6	84	34.9	78	5	74-124/28
87-61-6	1,2,3-Trichlorobenzene	3.8 U		43.5	30.2	69*	29.3	66*	3	77-128/35
96-18-4	1,2,3-Trichloropropane	3.8 U		43.5	50.7	117	39.1	88	26	74-127/27
120-82-1	1,2,4-Trichlorobenzene	3.8 U		43.5	34.7	80	31.4	71*	10	78-130/34
95-63-6	1,2,4-Trimethylbenzene	3.3	I	43.5	58.3	127*	40.3	83	37*	74-123/34
108-67-8	1,3,5-Trimethylbenzene	1.2	I	43.5	62.4	141*	36.4	79	53*	73-122/33
127-18-4	Tetrachloroethylene	3.8 U		43.5	38.9	90	32.7	74*	17	79-130/31
108-88-3	Toluene	3.8 U		43.5	37.1	85	39.8	89	7	76-124/30
79-01-6	Trichloroethylene	3.8 U		43.5	46.2	106	40.7	92	13	75-128/27
75-69-4	Trichlorofluoromethane	3.8 U		43.5	53.0	122	46.6	105	13	73-145/31
75-01-4	Vinyl chloride	3.8 U		43.5	43.3	100	40.2	90	7	76-141/27
108-05-4	Vinyl Acetate	19 U		217	25.5	12*	24.1	11*	6	48-164/37
1330-20-7	Xylene (total)	11 U		130	147	113	125	94	16	80-129/30
	m,p-Xylene	7.6 U		86.9	98.2	113	83.1	93	17	80-128/30
95-47-6	o-Xylene	3.8 U		43.5	49.2	113	42.3	95	15	80-132/30

CAS No.	Surrogate Recoveries	MS	MSD	FA3814-1	Limits
1868-53-7	Dibromofluoromethane	105%	108%	102%	75-124%
2037-26-5	Toluene-D8	83%	103%	82%	75-126%
460-00-4	4-Bromofluorobenzene	124%	99%	102%	71-133%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3814-1MS	G0088323.D	1	04/19/13	EP	n/a	n/a	VG3176
FA3814-1MSD	G0088324.D	1	04/19/13	EP	n/a	n/a	VG3176
FA3814-1	G0088319.D	1	04/19/13	EP	n/a	n/a	VG3176

The QC reported here applies to the following samples: **Method:** SW846 8260B

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Surrogate Recoveries	MS	MSD	FA3814-1	Limits
17060-07-0	1,2-Dichloroethane-D4	102%	107%	113%	72-135%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC/MS Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-MB	X028013.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	830	170	ug/kg	
95-57-8	2-Chlorophenol	ND	170	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	18	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	19	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	24	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	21	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	25	ug/kg	
100-02-7	4-Nitrophenol	ND	830	130	ug/kg	
87-86-5	Pentachlorophenol	ND	830	130	ug/kg	
108-95-2	Phenol	ND	170	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	170	20	ug/kg	
208-96-8	Acenaphthylene	ND	170	19	ug/kg	
120-12-7	Anthracene	ND	170	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	21	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	22	ug/kg	
106-47-8	4-Chloroaniline	ND	170	25	ug/kg	
218-01-9	Chrysene	ND	170	17	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	23	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	17	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	170	18	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	18	ug/kg	

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-MB	X028013.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	170	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	17	ug/kg	
132-64-9	Dibenzofuran	ND	170	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	33	ug/kg	
84-66-2	Diethyl phthalate	ND	330	33	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	33	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	33	ug/kg	
206-44-0	Fluoranthene	ND	170	17	ug/kg	
86-73-7	Fluorene	ND	170	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	23	ug/kg	
67-72-1	Hexachloroethane	ND	170	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	17	ug/kg	
78-59-1	Isophorone	ND	170	18	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	23	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	19	ug/kg	
91-20-3	Naphthalene	ND	170	17	ug/kg	
98-95-3	Nitrobenzene	ND	170	24	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	17	ug/kg	
129-00-0	Pyrene	ND	170	17	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	61%	40-102%
4165-62-2	Phenol-d5	71%	41-100%
118-79-6	2,4,6-Tribromophenol	75%	42-108%
4165-60-0	Nitrobenzene-d5	75%	40-105%
321-60-8	2-Fluorobiphenyl	70%	43-107%
1718-51-0	Terphenyl-d14	91%	45-119%

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46546-MB	L062793.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-8

CAS No.	Compound	Result	RL	MDL	Units	Q
65-85-0	Benzoic Acid	ND	830	170	ug/kg	
95-57-8	2-Chlorophenol	ND	170	20	ug/kg	
59-50-7	4-Chloro-3-methyl phenol	ND	170	18	ug/kg	
120-83-2	2,4-Dichlorophenol	ND	170	19	ug/kg	
105-67-9	2,4-Dimethylphenol	ND	170	24	ug/kg	
51-28-5	2,4-Dinitrophenol	ND	830	170	ug/kg	
534-52-1	4,6-Dinitro-o-cresol	ND	330	67	ug/kg	
95-48-7	2-Methylphenol	ND	170	21	ug/kg	
	3&4-Methylphenol	ND	170	35	ug/kg	
88-75-5	2-Nitrophenol	ND	170	25	ug/kg	
100-02-7	4-Nitrophenol	ND	830	130	ug/kg	
87-86-5	Pentachlorophenol	ND	830	130	ug/kg	
108-95-2	Phenol	ND	170	27	ug/kg	
88-06-2	2,4,6-Trichlorophenol	ND	170	21	ug/kg	
83-32-9	Acenaphthene	ND	170	20	ug/kg	
208-96-8	Acenaphthylene	ND	170	19	ug/kg	
120-12-7	Anthracene	ND	170	17	ug/kg	
56-55-3	Benzo(a)anthracene	ND	170	17	ug/kg	
50-32-8	Benzo(a)pyrene	ND	170	17	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	170	17	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	170	17	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	170	20	ug/kg	
101-55-3	4-Bromophenyl phenyl ether	ND	170	21	ug/kg	
85-68-7	Butyl benzyl phthalate	ND	170	33	ug/kg	
100-51-6	Benzyl Alcohol	ND	170	33	ug/kg	
91-58-7	2-Chloronaphthalene	ND	170	22	ug/kg	
106-47-8	4-Chloroaniline	ND	170	25	ug/kg	
218-01-9	Chrysene	ND	170	17	ug/kg	
111-91-1	bis(2-Chloroethoxy)methane	ND	170	23	ug/kg	
111-44-4	bis(2-Chloroethyl)ether	ND	170	23	ug/kg	
108-60-1	bis(2-Chloroisopropyl)ether	ND	170	19	ug/kg	
7005-72-3	4-Chlorophenyl phenyl ether	ND	170	17	ug/kg	
95-50-1	1,2-Dichlorobenzene	ND	170	17	ug/kg	
122-66-7	1,2-Diphenylhydrazine	ND	170	18	ug/kg	
541-73-1	1,3-Dichlorobenzene	ND	170	22	ug/kg	
106-46-7	1,4-Dichlorobenzene	ND	170	18	ug/kg	

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46546-MB	L062793.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-8

CAS No.	Compound	Result	RL	MDL	Units	Q
91-94-1	3,3'-Dichlorobenzidine	ND	170	28	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	170	17	ug/kg	
132-64-9	Dibenzofuran	ND	170	17	ug/kg	
84-74-2	Di-n-butyl phthalate	ND	330	33	ug/kg	
117-84-0	Di-n-octyl phthalate	ND	170	33	ug/kg	
84-66-2	Diethyl phthalate	ND	330	33	ug/kg	
131-11-3	Dimethyl phthalate	ND	170	33	ug/kg	
117-81-7	bis(2-Ethylhexyl)phthalate	ND	330	33	ug/kg	
206-44-0	Fluoranthene	ND	170	17	ug/kg	
86-73-7	Fluorene	ND	170	18	ug/kg	
118-74-1	Hexachlorobenzene	ND	170	17	ug/kg	
87-68-3	Hexachlorobutadiene	ND	170	18	ug/kg	
77-47-4	Hexachlorocyclopentadiene	ND	170	23	ug/kg	
67-72-1	Hexachloroethane	ND	170	19	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	170	17	ug/kg	
78-59-1	Isophorone	ND	170	18	ug/kg	
90-12-0	1-Methylnaphthalene	ND	170	23	ug/kg	
91-57-6	2-Methylnaphthalene	ND	170	19	ug/kg	
91-20-3	Naphthalene	ND	170	17	ug/kg	
98-95-3	Nitrobenzene	ND	170	24	ug/kg	
621-64-7	N-Nitroso-di-n-propylamine	ND	170	18	ug/kg	
86-30-6	N-Nitrosodiphenylamine	ND	170	33	ug/kg	
85-01-8	Phenanthrene	ND	170	17	ug/kg	
129-00-0	Pyrene	ND	170	17	ug/kg	
120-82-1	1,2,4-Trichlorobenzene	ND	170	18	ug/kg	

CAS No.	Surrogate Recoveries		Limits
367-12-4	2-Fluorophenol	61%	40-102%
4165-62-2	Phenol-d5	68%	41-100%
118-79-6	2,4,6-Tribromophenol	75%	42-108%
4165-60-0	Nitrobenzene-d5	60%	40-105%
321-60-8	2-Fluorobiphenyl	65%	43-107%
1718-51-0	Terphenyl-d14	80%	45-119%

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-BS	X028012.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic Acid	3330	2120	64	36-118
95-57-8	2-Chlorophenol	1670	1240	74	48-104
59-50-7	4-Chloro-3-methyl phenol	1670	1350	81	52-108
120-83-2	2,4-Dichlorophenol	1670	1370	82	51-105
105-67-9	2,4-Dimethylphenol	1670	1240	74	43-96
51-28-5	2,4-Dinitrophenol	3330	2470	74	40-119
534-52-1	4,6-Dinitro-o-cresol	3330	2710	81	64-121
95-48-7	2-Methylphenol	1670	1280	77	46-107
	3&4-Methylphenol	3330	2570	77	44-111
88-75-5	2-Nitrophenol	1670	1310	79	49-104
100-02-7	4-Nitrophenol	3330	2560	77	56-116
87-86-5	Pentachlorophenol	3330	2540	76	61-114
108-95-2	Phenol	1670	1310	79	45-110
88-06-2	2,4,6-Trichlorophenol	1670	1360	82	56-109
83-32-9	Acenaphthene	2330	1800	77	56-109
208-96-8	Acenaphthylene	1670	1330	80	56-106
120-12-7	Anthracene	2330	1870	80	61-110
56-55-3	Benzo(a)anthracene	2330	1990	85	66-111
50-32-8	Benzo(a)pyrene	2330	1890	81	59-104
205-99-2	Benzo(b)fluoranthene	2330	2020	87	67-113
191-24-2	Benzo(g,h,i)perylene	2330	2090	90	67-113
207-08-9	Benzo(k)fluoranthene	2330	2040	87	67-114
101-55-3	4-Bromophenyl phenyl ether	1670	1420	85	62-110
85-68-7	Butyl benzyl phthalate	1670	1400	84	65-113
100-51-6	Benzyl Alcohol	1670	1400	84	53-108
91-58-7	2-Chloronaphthalene	1670	1290	77	53-106
106-47-8	4-Chloroaniline	1670	1290	77	30-115
218-01-9	Chrysene	2330	1970	84	65-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1250	75	48-105
111-44-4	bis(2-Chloroethyl)ether	1670	1170	70	46-103
108-60-1	bis(2-Chloroisopropyl)ether	1670	1120	67	40-110
7005-72-3	4-Chlorophenyl phenyl ether	1670	1380	83	58-106
95-50-1	1,2-Dichlorobenzene	1670	1200	72	44-102
122-66-7	1,2-Diphenylhydrazine	1670	1300	78	58-112
541-73-1	1,3-Dichlorobenzene	1670	1210	73	42-100
106-46-7	1,4-Dichlorobenzene	1670	1180	71	40-106

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-BS	X028012.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	1220	73	36-114
53-70-3	Dibenzo(a,h)anthracene	2330	2200	94	68-115
132-64-9	Dibenzofuran	1670	1410	85	57-108
84-74-2	Di-n-butyl phthalate	1670	1390	83	63-108
117-84-0	Di-n-octyl phthalate	1670	1380	83	64-119
84-66-2	Diethyl phthalate	1670	1370	82	61-109
131-11-3	Dimethyl phthalate	1670	1400	84	59-108
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1370	82	64-115
206-44-0	Fluoranthene	1670	1440	86	60-108
86-73-7	Fluorene	2330	1840	79	58-109
118-74-1	Hexachlorobenzene	1670	1350	81	59-111
87-68-3	Hexachlorobutadiene	1670	1210	73	41-108
77-47-4	Hexachlorocyclopentadiene	1670	1050	63	49-110
67-72-1	Hexachloroethane	1670	1160	70	40-105
193-39-5	Indeno(1,2,3-cd)pyrene	2330	2130	91	66-116
78-59-1	Isophorone	1670	1070	64	42-89
90-12-0	1-Methylnaphthalene	1670	1290	77	49-106
91-57-6	2-Methylnaphthalene	1670	1300	78	47-106
91-20-3	Naphthalene	1670	1180	71	44-104
98-95-3	Nitrobenzene	1670	1220	73	43-108
621-64-7	N-Nitroso-di-n-propylamine	1670	1210	73	48-108
86-30-6	N-Nitrosodiphenylamine	1670	1410	85	62-110
85-01-8	Phenanthrene	2330	1940	83	63-111
129-00-0	Pyrene	2330	1950	84	65-115
120-82-1	1,2,4-Trichlorobenzene	1670	1210	73	45-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	72%	40-102%
4165-62-2	Phenol-d5	77%	41-100%
118-79-6	2,4,6-Tribromophenol	80%	42-108%
4165-60-0	Nitrobenzene-d5	72%	40-105%
321-60-8	2-Fluorobiphenyl	73%	43-107%
1718-51-0	Terphenyl-d14	86%	45-119%

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46546-BS	L062792.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
65-85-0	Benzoic Acid	3330	2370	71	36-118
95-57-8	2-Chlorophenol	1670	1140	68	48-104
59-50-7	4-Chloro-3-methyl phenol	1670	1190	71	52-108
120-83-2	2,4-Dichlorophenol	1670	1180	71	51-105
105-67-9	2,4-Dimethylphenol	1670	1130	68	43-96
51-28-5	2,4-Dinitrophenol	3330	2610	78	40-119
534-52-1	4,6-Dinitro-o-cresol	3330	3070	92	64-121
95-48-7	2-Methylphenol	1670	1170	70	46-107
	3&4-Methylphenol	3330	2310	69	44-111
88-75-5	2-Nitrophenol	1670	1130	68	49-104
100-02-7	4-Nitrophenol	3330	2450	74	56-116
87-86-5	Pentachlorophenol	3330	2730	82	61-114
108-95-2	Phenol	1670	1190	71	45-110
88-06-2	2,4,6-Trichlorophenol	1670	1210	73	56-109
83-32-9	Acenaphthene	2330	1570	67	56-109
208-96-8	Acenaphthylene	1670	1220	73	56-106
120-12-7	Anthracene	2330	1540	66	61-110
56-55-3	Benzo(a)anthracene	2330	1710	73	66-111
50-32-8	Benzo(a)pyrene	2330	1570	67	59-104
205-99-2	Benzo(b)fluoranthene	2330	1600	69	67-113
191-24-2	Benzo(g,h,i)perylene	2330	1590	68	67-113
207-08-9	Benzo(k)fluoranthene	2330	1560	67	67-114
101-55-3	4-Bromophenyl phenyl ether	1670	1250	75	62-110
85-68-7	Butyl benzyl phthalate	1670	1250	75	65-113
100-51-6	Benzyl Alcohol	1670	1170	70	53-108
91-58-7	2-Chloronaphthalene	1670	1140	68	53-106
106-47-8	4-Chloroaniline	1670	1010	61	30-115
218-01-9	Chrysene	2330	1650	71	65-112
111-91-1	bis(2-Chloroethoxy)methane	1670	1130	68	48-105
111-44-4	bis(2-Chloroethyl)ether	1670	1100	66	46-103
108-60-1	bis(2-Chloroisopropyl)ether	1670	1100	66	40-110
7005-72-3	4-Chlorophenyl phenyl ether	1670	1190	71	58-106
95-50-1	1,2-Dichlorobenzene	1670	1100	66	44-102
122-66-7	1,2-Diphenylhydrazine	1670	1190	71	58-112
541-73-1	1,3-Dichlorobenzene	1670	1090	65	42-100
106-46-7	1,4-Dichlorobenzene	1670	1100	66	40-106

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46546-BS	L062792.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	Limits
91-94-1	3,3'-Dichlorobenzidine	1670	1110	67	36-114
53-70-3	Dibenzo(a,h)anthracene	2330	1660	71	68-115
132-64-9	Dibenzofuran	1670	1180	71	57-108
84-74-2	Di-n-butyl phthalate	1670	1230	74	63-108
117-84-0	Di-n-octyl phthalate	1670	1150	69	64-119
84-66-2	Diethyl phthalate	1670	1240	74	61-109
131-11-3	Dimethyl phthalate	1670	1220	73	59-108
117-81-7	bis(2-Ethylhexyl)phthalate	1670	1280	77	64-115
206-44-0	Fluoranthene	1670	1400	84	60-108
86-73-7	Fluorene	2330	1680	72	58-109
118-74-1	Hexachlorobenzene	1670	1230	74	59-111
87-68-3	Hexachlorobutadiene	1670	1110	67	41-108
77-47-4	Hexachlorocyclopentadiene	1670	1190	71	49-110
67-72-1	Hexachloroethane	1670	1080	65	40-105
193-39-5	Indeno(1,2,3-cd)pyrene	2330	1750	75	66-116
78-59-1	Isophorone	1670	983	59	42-89
90-12-0	1-Methylnaphthalene	1670	1150	69	49-106
91-57-6	2-Methylnaphthalene	1670	1100	66	47-106
91-20-3	Naphthalene	1670	1150	69	44-104
98-95-3	Nitrobenzene	1670	1100	66	43-108
621-64-7	N-Nitroso-di-n-propylamine	1670	1170	70	48-108
86-30-6	N-Nitrosodiphenylamine	1670	1200	72	62-110
85-01-8	Phenanthrene	2330	1670	72	63-111
129-00-0	Pyrene	2330	1780	76	65-115
120-82-1	1,2,4-Trichlorobenzene	1670	1090	65	45-100

CAS No.	Surrogate Recoveries	BSP	Limits
367-12-4	2-Fluorophenol	65%	40-102%
4165-62-2	Phenol-d5	70%	41-100%
118-79-6	2,4,6-Tribromophenol	77%	42-108%
4165-60-0	Nitrobenzene-d5	63%	40-105%
321-60-8	2-Fluorobiphenyl	69%	43-107%
1718-51-0	Terphenyl-d14	86%	45-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-MS	X028034.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
OP46544-MSD	X028035.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
FA3839-7	X028033.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

CAS No.	Compound	FA3839-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		4610	1090	24*	1450	32*	28	36-118/41
95-57-8	2-Chlorophenol	ND		2310	1320	57	1830	80	32*	48-104/26
59-50-7	4-Chloro-3-methyl phenol	ND		2310	1500	65	1940	84	26*	52-108/21
120-83-2	2,4-Dichlorophenol	ND		2310	1490	65	1870	81	23	51-105/27
105-67-9	2,4-Dimethylphenol	ND		2310	1460	63	1820	79	22	43-96/23
51-28-5	2,4-Dinitrophenol	ND		4610	371	8*	497	11*	29	40-119/32
534-52-1	4,6-Dinitro-o-cresol	ND		4610	272	6*	350	8*	25	64-121/29
95-48-7	2-Methylphenol	ND		2310	1360	59	1780	77	27*	46-107/24
	3&4-Methylphenol	ND		4610	2710	59	3610	79	28*	44-111/24
88-75-5	2-Nitrophenol	ND		2310	1230	53	1560	68	24	49-104/27
100-02-7	4-Nitrophenol	ND		4610	2620	57	3950	86	40*	56-116/23
87-86-5	Pentachlorophenol	ND		4610	2820	61	4360	95	43*	61-114/23
108-95-2	Phenol	ND		2310	1380	60	1830	80	28*	45-110/24
88-06-2	2,4,6-Trichlorophenol	ND		2310	1510	66	2040	89	30*	56-109/25
83-32-9	Acenaphthene	ND		3230	2050	64	2680	83	27*	56-109/23
208-96-8	Acenaphthylene	ND		2310	1520	66	1980	86	26*	56-106/23
120-12-7	Anthracene	ND		3230	2100	65	2800	87	29*	61-110/21
56-55-3	Benzo(a)anthracene	ND		3230	2170	67	2920	91	29*	66-111/23
50-32-8	Benzo(a)pyrene	ND		3230	1990	62	2770	86	33*	59-104/23
205-99-2	Benzo(b)fluoranthene	ND		3230	2100	65*	2890	90	32*	67-113/24
191-24-2	Benzo(g,h,i)perylene	120	J	3230	2150	63*	2970	89	32*	67-113/21
207-08-9	Benzo(k)fluoranthene	ND		3230	2040	63*	2880	90	34*	67-114/22
101-55-3	4-Bromophenyl phenyl ether	ND		2310	1570	68	2050	89	27*	62-110/21
85-68-7	Butyl benzyl phthalate	ND		2310	1600	69	2140	93	29*	65-113/20
100-51-6	Benzyl Alcohol	ND		2310	1440	62	1910	83	28*	53-108/24
91-58-7	2-Chloronaphthalene	ND		2310	1510	66	1890	82	22	53-106/23
106-47-8	4-Chloroaniline	ND		2310	1440	62	1880	82	27	30-115/30
218-01-9	Chrysene	ND		3230	2110	65	2860	89	30*	65-112/25
111-91-1	bis(2-Chloroethoxy)methane	ND		2310	1360	59	1750	76	25*	48-105/24
111-44-4	bis(2-Chloroethyl)ether	ND		2310	1310	57	1770	77	30*	46-103/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		2310	1310	57	1790	78	31*	40-110/25
7005-72-3	4-Chlorophenyl phenyl ether	ND		2310	1540	67	2010	87	26*	58-106/21
95-50-1	1,2-Dichlorobenzene	ND		2310	1330	58	1770	77	28	44-102/28
122-66-7	1,2-Diphenylhydrazine	ND		2310	1520	66	2000	87	27*	58-112/22
541-73-1	1,3-Dichlorobenzene	ND		2310	1320	57	1760	77	29	42-100/30
106-46-7	1,4-Dichlorobenzene	ND		2310	1340	58	1820	79	30*	40-106/29

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-MS	X028034.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
OP46544-MSD	X028035.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
FA3839-7	X028033.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

CAS No.	Compound	FA3839-7 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		2310	1130	49	1990	87	55*	36-114/28
53-70-3	Dibenzo(a,h)anthracene	ND		3230	2200	68	3140	98	35*	68-115/23
132-64-9	Dibenzofuran	ND		2310	1600	69	2080	91	26*	57-108/22
84-74-2	Di-n-butyl phthalate	ND		2310	1490	65	1990	87	29*	63-108/19
117-84-0	Di-n-octyl phthalate	ND		2310	1560	68	2160	94	32*	64-119/21
84-66-2	Diethyl phthalate	ND		2310	1530	66	2030	88	28*	61-109/20
131-11-3	Dimethyl phthalate	ND		2310	1440	62	1930	84	29*	59-108/20
117-81-7	bis(2-Ethylhexyl)phthalate	ND		2310	1680	73	2200	96	27*	64-115/23
206-44-0	Fluoranthene	ND		2310	1520	66	2020	88	28*	60-108/25
86-73-7	Fluorene	ND		3230	2050	64	2700	84	27*	58-109/21
118-74-1	Hexachlorobenzene	ND		2310	1510	66	2020	88	29*	59-111/21
87-68-3	Hexachlorobutadiene	ND		2310	1440	62	1790	78	22	41-108/27
77-47-4	Hexachlorocyclopentadiene	ND		2310	147	6*	246	11*	50*	49-110/31
67-72-1	Hexachloroethane	ND		2310	1080	47	1470	64	31	40-105/32
193-39-5	Indeno(1,2,3-cd)pyrene	28.0	J	3230	2250	69	3160	97	34*	66-116/22
78-59-1	Isophorone	ND		2310	1180	51	1490	65	23*	42-89/22
90-12-0	1-Methylnaphthalene	ND		2310	1530	66	1870	81	20	49-106/26
91-57-6	2-Methylnaphthalene	ND		2310	1520	66	1890	82	22	47-106/27
91-20-3	Naphthalene	ND		2310	1410	61	1740	76	21	44-104/27
98-95-3	Nitrobenzene	ND		2310	1420	62	1860	81	27*	43-108/25
621-64-7	N-Nitroso-di-n-propylamine	ND		2310	1270	55	1750	76	32*	48-108/27
86-30-6	N-Nitrosodiphenylamine	ND		2310	1600	69	2090	91	27*	62-110/21
85-01-8	Phenanthrene	ND		3230	2120	66	2840	88	29*	63-111/22
129-00-0	Pyrene	ND		3230	2040	63*	2790	87	31*	65-115/25
120-82-1	1,2,4-Trichlorobenzene	ND		2310	1400	61	1750	76	22	45-100/26

CAS No.	Surrogate Recoveries	MS	MSD	FA3839-7	Limits
367-12-4	2-Fluorophenol	54%	76%	61%	40-102%
4165-62-2	Phenol-d5	57%	78%	68%	41-100%
118-79-6	2,4,6-Tribromophenol	64%	89%	89%	42-108%
4165-60-0	Nitrobenzene-d5	60%	79%	71%	40-105%
321-60-8	2-Fluorobiphenyl	61%	79%	128%* [a]	43-107%
1718-51-0	Terphenyl-d14	65%	90%	91%	45-119%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46544-MS	X028034.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
OP46544-MSD	X028035.D	1	04/23/13	FS	04/22/13	OP46544	SX1346
FA3839-7	X028033.D	1	04/23/13	FS	04/22/13	OP46544	SX1346

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-4, FA3839-5, FA3839-6, FA3839-7

(a) Outside control limits.

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46546-MS	L062795.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187
OP46546-MSD	L062841.D	1	04/24/13	NAF	04/23/13	OP46546	SL3188
FA3839-8	L062794.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-8

CAS No.	Compound	FA3839-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
65-85-0	Benzoic Acid	ND		4330	3270	75	3400	80	4	36-118/41
95-57-8	2-Chlorophenol	ND		2170	1580	73	1600	75	1	48-104/26
59-50-7	4-Chloro-3-methyl phenol	ND		2170	1620	75	1710	80	5	52-108/21
120-83-2	2,4-Dichlorophenol	ND		2170	1590	73	1660	78	4	51-105/27
105-67-9	2,4-Dimethylphenol	ND		2170	1590	73	1650	77	4	43-96/23
51-28-5	2,4-Dinitrophenol	ND		4330	3500	81	3440	80	2	40-119/32
534-52-1	4,6-Dinitro-o-cresol	ND		4330	4130	95	4490	105	8	64-121/29
95-48-7	2-Methylphenol	ND		2170	1570	72	1650	77	5	46-107/24
	3&4-Methylphenol	ND		4330	3200	74	3290	77	3	44-111/24
88-75-5	2-Nitrophenol	ND		2170	1520	70	1590	74	5	49-104/27
100-02-7	4-Nitrophenol	ND		4330	3480	80	3630	85	4	56-116/23
87-86-5	Pentachlorophenol	ND		4330	3600	83	3890	91	8	61-114/23
108-95-2	Phenol	ND		2170	1660	77	1690	79	2	45-110/24
88-06-2	2,4,6-Trichlorophenol	ND		2170	1640	76	1780	83	8	56-109/25
83-32-9	Acenaphthene	ND		3030	2130	70	2270	76	6	56-109/23
208-96-8	Acenaphthylene	ND		2170	1670	77	1800	84	7	56-106/23
120-12-7	Anthracene	ND		3030	2100	69	2230	75	6	61-110/21
56-55-3	Benzo(a)anthracene	22.3	J	3030	2280	74	2380	79	4	66-111/23
50-32-8	Benzo(a)pyrene	ND		3030	2110	70	2160	72	2	59-104/23
205-99-2	Benzo(b)fluoranthene	ND		3030	2170	72	2150	72	1	67-113/24
191-24-2	Benzo(g,h,i)perylene	ND		3030	2670	88	3080	103	14	67-113/21
207-08-9	Benzo(k)fluoranthene	ND		3030	1940	64*	1970	66*	2	67-114/22
101-55-3	4-Bromophenyl phenyl ether	ND		2170	1680	78	1870	87	11	62-110/21
85-68-7	Butyl benzyl phthalate	ND		2170	1750	81	1820	85	4	65-113/20
100-51-6	Benzyl Alcohol	ND		2170	1640	76	1650	77	1	53-108/24
91-58-7	2-Chloronaphthalene	ND		2170	1570	72	1690	79	7	53-106/23
106-47-8	4-Chloroaniline	ND		2170	1340	62	1360	64	1	30-115/30
218-01-9	Chrysene	ND		3030	2190	72	2320	78	6	65-112/25
111-91-1	bis(2-Chloroethoxy)methane	ND		2170	1590	73	1610	75	1	48-105/24
111-44-4	bis(2-Chloroethyl)ether	ND		2170	1450	67	1560	73	7	46-103/27
108-60-1	bis(2-Chloroisopropyl)ether	ND		2170	1490	69	1560	73	5	40-110/25
7005-72-3	4-Chlorophenyl phenyl ether	ND		2170	1590	73	1690	79	6	58-106/21
95-50-1	1,2-Dichlorobenzene	ND		2170	1530	71	1510	71	1	44-102/28
122-66-7	1,2-Diphenylhydrazine	ND		2170	1660	77	1900	89	13	58-112/22
541-73-1	1,3-Dichlorobenzene	ND		2170	1490	69	1490	70	0	42-100/30
106-46-7	1,4-Dichlorobenzene	ND		2170	1520	70	1510	71	1	40-106/29

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46546-MS	L062795.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187
OP46546-MSD	L062841.D	1	04/24/13	NAF	04/23/13	OP46546	SL3188
FA3839-8	L062794.D	1	04/23/13	NAF	04/23/13	OP46546	SL3187

The QC reported here applies to the following samples: **Method:** SW846 8270D

FA3839-8

CAS No.	Compound	FA3839-8 ug/kg	Q	Spike ug/kg	MS ug/kg	MS %	MSD ug/kg	MSD %	RPD	Limits Rec/RPD
91-94-1	3,3'-Dichlorobenzidine	ND		2170	1430	66	1620	76	12	36-114/28
53-70-3	Dibenzo(a,h)anthracene	ND		3030	2800	92	3090	103	10	68-115/23
132-64-9	Dibenzofuran	ND		2170	1650	76	1750	82	6	57-108/22
84-74-2	Di-n-butyl phthalate	ND		2170	1620	75	1630	76	1	63-108/19
117-84-0	Di-n-octyl phthalate	ND		2170	1480	68	1370	64	8	64-119/21
84-66-2	Diethyl phthalate	ND		2170	1610	74	1760	82	9	61-109/20
131-11-3	Dimethyl phthalate	ND		2170	1630	75	1740	81	7	59-108/20
117-81-7	bis(2-Ethylhexyl)phthalate	149	J	2170	1880	80	1840	79	2	64-115/23
206-44-0	Fluoranthene	ND		2170	1670	77	1530	72	9	60-108/25
86-73-7	Fluorene	ND		3030	2300	76	2420	81	5	58-109/21
118-74-1	Hexachlorobenzene	ND		2170	1660	77	1780	83	7	59-111/21
87-68-3	Hexachlorobutadiene	ND		2170	1500	69	1550	73	3	41-108/27
77-47-4	Hexachlorocyclopentadiene	ND		2170	1530	71	1480	69	3	49-110/31
67-72-1	Hexachloroethane	ND		2170	1520	70	1520	71	0	40-105/32
193-39-5	Indeno(1,2,3-cd)pyrene	ND		3030	2730	90	3000	100	9	66-116/22
78-59-1	Isophorone	ND		2170	1340	62	1370	64	2	42-89/22
90-12-0	1-Methylnaphthalene	98.1	J	2170	1700	74	1770	78	4	49-106/26
91-57-6	2-Methylnaphthalene	ND		2170	1540	71	1600	75	4	47-106/27
91-20-3	Naphthalene	30.5	J	2170	1630	74	1700	78	4	44-104/27
98-95-3	Nitrobenzene	ND		2170	1510	70	1510	71	0	43-108/25
621-64-7	N-Nitroso-di-n-propylamine	ND		2170	1640	76	1680	79	2	48-108/27
86-30-6	N-Nitrosodiphenylamine	ND		2170	1740	80	1970	92	12	62-110/21
85-01-8	Phenanthrene	ND		3030	2280	75	2500	84	9	63-111/22
129-00-0	Pyrene	47.3	J	3030	2630	85	3170	104	19	65-115/25
120-82-1	1,2,4-Trichlorobenzene	ND		2170	1510	70	1560	73	3	45-100/26

CAS No.	Surrogate Recoveries	MS	MSD	FA3839-8	Limits
367-12-4	2-Fluorophenol	67%	69%	56%	40-102%
4165-62-2	Phenol-d5	74%	74%	63%	41-100%
118-79-6	2,4,6-Tribromophenol	81%	90%	73%	42-108%
4165-60-0	Nitrobenzene-d5	67%	67%	55%	40-105%
321-60-8	2-Fluorobiphenyl	70%	75%	62%	43-107%
1718-51-0	Terphenyl-d14	91%	104%	80%	45-119%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUU141-MB	UU002645.D	1	04/22/13	AH	n/a	n/a	GUU141

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

FA3839-4, FA3839-6, FA3839-7

7.1.1

7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	51	51	ug/kg	
100-41-4	Ethylbenzene	ND	100	51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	51	ug/kg	
91-20-3	Naphthalene	ND	260	150	ug/kg	
108-88-3	Toluene	ND	100	51	ug/kg	
	m,p-Xylene	ND	200	100	ug/kg	
95-47-6	o-Xylene	ND	100	51	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	5100	1800	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	5100	1800	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	5100	1800	ug/kg	
	C5- C8 Aliphatics	ND	5100	1800	ug/kg	
	C9- C12 Aliphatics	ND	5100	1800	ug/kg	
	C9- C10 Aromatics	ND	5100	1800	ug/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	BFB	98%	70-130%
460-00-4	BFB	100%	70-130%

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUU146-MB	UU002733.D	1	04/25/13	MM	n/a	n/a	GUU146

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

FA3839-5, FA3839-8

7.1.2

7

CAS No.	Compound	Result	RL	MDL	Units	Q
71-43-2	Benzene	ND	51	51	ug/kg	
100-41-4	Ethylbenzene	ND	100	51	ug/kg	
1634-04-4	Methyl Tert Butyl Ether	ND	100	51	ug/kg	
91-20-3	Naphthalene	200	260	150	ug/kg	J
108-88-3	Toluene	ND	100	51	ug/kg	
	m,p-Xylene	ND	200	100	ug/kg	
95-47-6	o-Xylene	ND	100	51	ug/kg	
	C5- C8 Aliphatics (Unadj.)	ND	5100	1800	ug/kg	
	C9- C12 Aliphatics (Unadj.)	ND	5100	1800	ug/kg	
	C9- C10 Aromatics (Unadj.)	ND	5100	1800	ug/kg	
	C5- C8 Aliphatics	ND	5100	1800	ug/kg	
	C9- C12 Aliphatics	ND	5100	1800	ug/kg	
	C9- C10 Aromatics	ND	5100	1800	ug/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	BFB	81%	70-130%
460-00-4	BFB	80%	70-130%

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR3263-MB	QR076086.D	1	04/22/13	MM	n/a	n/a	GQR3263

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-1, FA3839-2

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	105%	56-149%
98-08-8	aaa-Trifluorotoluene	102%	66-132%

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR3264-MB	QR076121.D	1	04/23/13	MM	n/a	n/a	GQR3264

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-3, FA3839-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH-GRO (C6-C10)	ND	5.0	2.5	mg/kg	

CAS No.	Surrogate Recoveries		Limits
460-00-4	4-Bromofluorobenzene	97%	56-149%
98-08-8	aaa-Trifluorotoluene	98%	66-132%

7.1.4

7

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR3263-BS	QR076085.D	1	04/22/13	MM	n/a	n/a	GQR3263

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-1, FA3839-2

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	19.6	98	74-128

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	110%	56-149%
98-08-8	aaa-Trifluorotoluene	102%	66-132%

7.2.1

7

* = Outside of Control Limits.

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GQR3264-BS	QR076120.D	1	04/23/13	MM	n/a	n/a	GQR3264

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-3, FA3839-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH-GRO (C6-C10)	20	18.7	94	74-128

CAS No.	Surrogate Recoveries	BSP	Limits
460-00-4	4-Bromofluorobenzene	112%	56-149%
98-08-8	aaa-Trifluorotoluene	100%	66-132%

7.2.2

7

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUU141-BS	UU002646.D	1	04/22/13	AH	n/a	n/a	GUU141
GUU141-BSD	UU002644.D	1	04/22/13	AH	n/a	n/a	GUU141

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

FA3839-4, FA3839-6, FA3839-7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4160	4360	105	4650	112	6	70-130/25
100-41-4	Ethylbenzene	4160	4470	107	4760	114	6	70-130/25
1634-04-4	Methyl Tert Butyl Ether	4160	3970	95	4200	101	6	70-130/25
91-20-3	Naphthalene	4160	3530	85	4040	97	13	70-130/25
108-88-3	Toluene	4160	4220	101	4520	109	7	70-130/25
	m,p-Xylene	8320	8690	104	9260	111	6	70-130/25
95-47-6	o-Xylene	4160	4220	101	4510	108	7	70-130/25
	C5- C8 Aliphatics (Unadj.)	12500	16000	128	16100	129	1	70-130/25
	C9- C12 Aliphatics (Unadj.)	8320	8580	103	10700	129	22	70-130/25
	C9- C10 Aromatics (Unadj.)	4160	4830	116	4790	115	1	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	BFB	110%	109%	70-130%
460-00-4	BFB	112%	110%	70-130%

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
GUU146-BS	UU002759.D	1	04/26/13	MM	n/a	n/a	GUU146
GUU146-BSD	UU002732.D	1	04/25/13	MM	n/a	n/a	GUU146

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

FA3839-5, FA3839-8

7.3.2

7

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
71-43-2	Benzene	4160	4040	97	4250	102	5	70-130/25
100-41-4	Ethylbenzene	4160	3950	95	4240	102	7	70-130/25
1634-04-4	Methyl Tert Butyl Ether	4160	4380	105	4060	98	8	70-130/25
91-20-3	Naphthalene	4160	4190	101	3850	93	8	70-130/25
108-88-3	Toluene	4160	3930	94	4180	100	6	70-130/25
	m,p-Xylene	8320	8100	97	8700	105	7	70-130/25
95-47-6	o-Xylene	4160	4040	97	4220	101	4	70-130/25
	C5- C8 Aliphatics (Unadj.)	12500	13600	109	14500	116	6	70-130/25
	C9- C12 Aliphatics (Unadj.)	8320	7630	92	8920	107	16	70-130/25
	C9- C10 Aromatics (Unadj.)	4160	4170	100	4300	103	3	70-130/25

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
460-00-4	BFB	93%	96%	70-130%
460-00-4	BFB	94%	97%	70-130%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3826-1MS	QR076088.D	1	04/22/13	MM	n/a	n/a	GQR3263
FA3826-1MSD	QR076089.D	1	04/22/13	MM	n/a	n/a	GQR3263
FA3826-1	QR076087.D	1	04/22/13	MM	n/a	n/a	GQR3263

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-1, FA3839-2

7.4.1

7

CAS No.	Compound	FA3826-1 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	ND		21	21.6	103	21.7	103	0	74-128/17

CAS No.	Surrogate Recoveries	MS	MSD	FA3826-1	Limits
460-00-4	4-Bromofluorobenzene	107%	106%	101%	56-149%
98-08-8	aaa-Trifluorotoluene	87%	85%	86%	66-132%

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3839-3MS	QR076123.D	1	04/23/13	MM	n/a	n/a	GQR3264
FA3839-3MSD	QR076124.D	1	04/23/13	MM	n/a	n/a	GQR3264
FA3839-3	QR076122.D	1	04/23/13	MM	n/a	n/a	GQR3264

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-3, FA3839-9

7.4.2

7

CAS No.	Compound	FA3839-3 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH-GRO (C6-C10)	12.3		25.9	34.2	85	34.4	85	1	74-128/17

CAS No.	Surrogate Recoveries	MS	MSD	FA3839-3	Limits
460-00-4	4-Bromofluorobenzene	119%	121%	124%	56-149%
98-08-8	aaa-Trifluorotoluene	97%	99%	104%	66-132%

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3733-2DUP	UU002671.D	1	04/23/13	AH	n/a	n/a	GUU141
FA3733-2	UU002647.D	1	04/22/13	AH	n/a	n/a	GUU141

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

FA3839-4, FA3839-6, FA3839-7

CAS No.	Compound	FA3733-2 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	50
100-41-4	Ethylbenzene	ND		ND		nc	50
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	50
91-20-3	Naphthalene	ND		ND		nc	50
108-88-3	Toluene	ND		ND		nc	50
	m,p-Xylene	ND		ND		nc	50
95-47-6	o-Xylene	ND		ND		nc	50
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	50
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	50
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	50
	C5- C8 Aliphatics	ND		ND		nc	50
	C9- C12 Aliphatics	ND		ND		nc	50
	C9- C10 Aromatics	ND		ND		nc	50

CAS No.	Surrogate Recoveries	DUP	FA3733-2	Limits
460-00-4	BFB	153%* b	189%* a	70-130%
460-00-4	BFB	158%* b	193%* a	70-130%

(a) Outside control limits; however, sample is ND.
(b) Outside control limits; however, sample was ND.

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
FA3840-1DUP	UU002755.D	1	04/26/13	MM	n/a	n/a	GUU146
FA3840-1	UU002736.D	1	04/25/13	MM	n/a	n/a	GUU146

The QC reported here applies to the following samples: **Method:** MADEP VPH REV 1.1

FA3839-5, FA3839-8

CAS No.	Compound	FA3840-1 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
71-43-2	Benzene	ND		ND		nc	50
100-41-4	Ethylbenzene	ND		ND		nc	50
1634-04-4	Methyl Tert Butyl Ether	ND		ND		nc	50
91-20-3	Naphthalene	ND		ND		nc	50
108-88-3	Toluene	ND		ND		nc	50
	m,p-Xylene	ND		ND		nc	50
95-47-6	o-Xylene	ND		ND		nc	50
	C5- C8 Aliphatics (Unadj.)	ND		ND		nc	50
	C9- C12 Aliphatics (Unadj.)	ND		ND		nc	50
	C9- C10 Aromatics (Unadj.)	ND		ND		nc	50
	C5- C8 Aliphatics	ND		ND		nc	50
	C9- C12 Aliphatics	ND		ND		nc	50
	C9- C10 Aromatics	ND		ND		nc	50

CAS No.	Surrogate Recoveries	DUP	FA3840-1	Limits
460-00-4	BFB	93%	94%	70-130%
460-00-4	BFB	93%	93%	70-130%

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

GC Semi-volatiles

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Blank Spike Summaries
- Matrix Spike and Duplicate Summaries

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46542-MB	NN004397.D	1	04/24/13	NMC	04/22/13	OP46542	GNN189

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	Result	RL	MDL	Units	Q
83-32-9	Acenaphthene	ND	200	100	ug/kg	
208-96-8	Acenaphthylene	ND	200	100	ug/kg	
120-12-7	Anthracene	ND	200	100	ug/kg	
56-55-3	Benzo(a)anthracene	ND	200	100	ug/kg	
50-32-8	Benzo(a)pyrene	ND	200	100	ug/kg	
205-99-2	Benzo(b)fluoranthene	ND	200	100	ug/kg	
191-24-2	Benzo(g,h,i)perylene	ND	200	100	ug/kg	
207-08-9	Benzo(k)fluoranthene	ND	200	100	ug/kg	
218-01-9	Chrysene	ND	200	100	ug/kg	
53-70-3	Dibenzo(a,h)anthracene	ND	200	100	ug/kg	
206-44-0	Fluoranthene	ND	200	100	ug/kg	
86-73-7	Fluorene	ND	200	100	ug/kg	
193-39-5	Indeno(1,2,3-cd)pyrene	ND	200	100	ug/kg	
91-57-6	2-Methylnaphthalene	ND	200	100	ug/kg	
91-20-3	Naphthalene	ND	200	100	ug/kg	
85-01-8	Phenanthrene	ND	200	100	ug/kg	
129-00-0	Pyrene	ND	200	100	ug/kg	
	C11-C22 Aromatics (Unadj.)	ND	10000	7500	ug/kg	
	C11-C22 Aromatics	ND	10000	7500	ug/kg	
	C9-C18 Aliphatics	ND	10000	5000	ug/kg	
	C19-C36 Aliphatics	ND	10000	5000	ug/kg	

CAS No.	Surrogate Recoveries		Limits
3386-33-2	1-Chlorooctadecane	80%	40-140%
580-13-2	2-Bromonaphthalene	77%	40-140%
84-15-1	o-Terphenyl	67%	40-140%
321-60-8	2-Fluorobiphenyl	78%	40-140%

Method Blank Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46537-MB	LL47680.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-1, FA3839-2, FA3839-3, FA3839-9

CAS No.	Compound	Result	RL	MDL	Units	Q
	TPH (C10-C28)	ND	8.3	3.3	mg/kg	

CAS No.	Surrogate Recoveries		Limits
84-15-1	o-Terphenyl	82%	56-122%

8.1.2

8

Blank Spike Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46537-BS	LL47679.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-1, FA3839-2, FA3839-3, FA3839-9

CAS No.	Compound	Spike mg/kg	BSP mg/kg	BSP %	Limits
	TPH (C10-C28)	33.3	26.2	79	62-116

CAS No.	Surrogate Recoveries	BSP	Limits
84-15-1	o-Terphenyl	79%	56-122%

8.2.1

8

* = Outside of Control Limits.

Blank Spike/Blank Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46542-BS	NN004395.D	1	04/24/13	NMC	04/22/13	OP46542	GNN189
OP46542-BSD	NN004396.D	1	04/24/13	NMC	04/22/13	OP46542	GNN189

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	Spike ug/kg	BSP ug/kg	BSP %	BSD ug/kg	BSD %	RPD	Limits Rec/RPD
83-32-9	Acenaphthene	5000	2860	57	2990	60	4	40-140/30
208-96-8	Acenaphthylene	5000	2720	54	2880	58	6	40-140/30
120-12-7	Anthracene	5000	3060	61	3330	67	8	40-140/30
56-55-3	Benzo(a)anthracene	5000	3150	63	3490	70	10	40-140/30
50-32-8	Benzo(a)pyrene	5000	3190	64	3500	70	9	40-140/30
205-99-2	Benzo(b)fluoranthene	5000	3150	63	3480	70	10	40-140/30
191-24-2	Benzo(g,h,i)perylene	5000	3250	65	3490	70	7	40-140/30
207-08-9	Benzo(k)fluoranthene	5000	3110	62	3440	69	10	40-140/30
218-01-9	Chrysene	5000	3040	61	3370	67	10	40-140/30
53-70-3	Dibenzo(a,h)anthracene	5000	3220	64	3500	70	8	40-140/30
206-44-0	Fluoranthene	5000	3100	62	3440	69	10	40-140/30
86-73-7	Fluorene	5000	2920	58	3110	62	6	40-140/30
193-39-5	Indeno(1,2,3-cd)pyrene	5000	3270	65	3550	71	8	40-140/30
91-57-6	2-Methylnaphthalene	5000	2600	52	2700	54	4	40-140/30
91-20-3	Naphthalene	5000	2430	49	2470	49	2	40-140/30
85-01-8	Phenanthrene	5000	3070	61	3330	67	8	40-140/30
129-00-0	Pyrene	5000	3140	63	3490	70	11	40-140/30
	C11-C22 Aromatics (Unadj.)	85000	46500	55	50100	59	7	40-140/30
	C9-C18 Aliphatics	30000	18900	63	18600	62	2	40-140/30
	C19-C36 Aliphatics	40000	30900	77	30600	77	1	40-140/30

CAS No.	Surrogate Recoveries	BSP	BSD	Limits
3386-33-2	1-Chlorooctadecane	78%	76%	40-140%
580-13-2	2-Bromonaphthalene	78%	88%	40-140%
84-15-1	o-Terphenyl	62%	67%	40-140%
321-60-8	2-Fluorobiphenyl	79%	86%	40-140%

Sample	Compound	Col #1	Col #2	Breakthrough	Limit
OP46542-BS	2-Methylnaphthalene	2600	ND	0.0%	5.0
OP46542-BS	Naphthalene	2430	ND	0.0%	5.0
OP46542-BSD	2-Methylnaphthalene	2700	ND	0.0%	5.0
OP46542-BSD	Naphthalene	2470	ND	0.0%	5.0

* = Outside of Control Limits.

Matrix Spike/Matrix Spike Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46537-MS	LL47685.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801
OP46537-MSD	LL47686.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801
FA3826-5	LL47684.D	1	04/23/13	SJL	04/22/13	OP46537	GLL1801

The QC reported here applies to the following samples: **Method:** SW846 8015C

FA3839-1, FA3839-2, FA3839-3, FA3839-9

CAS No.	Compound	FA3826-5 mg/kg	Q	Spike mg/kg	MS mg/kg	MS %	MSD mg/kg	MSD %	RPD	Limits Rec/RPD
	TPH (C10-C28)	ND		40.6	29.0	71	35.4	88	20	62-116/35

CAS No.	Surrogate Recoveries	MS	MSD	FA3826-5	Limits
84-15-1	o-Terphenyl	67%	78%	80%	56-122%

8.4.1

8

* = Outside of Control Limits.

Duplicate Summary

Job Number: FA3839
Account: EPSVNCR EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

Sample	File ID	DF	Analyzed	By	Prep Date	Prep Batch	Analytical Batch
OP46542-DUP	NN004420.D	1	04/24/13	NMC	04/22/13	OP46542	GNN189
FA3882-6	NN004419.D	1	04/24/13	NMC	04/22/13	OP46542	GNN189

The QC reported here applies to the following samples: **Method:** MADEP EPH REV 1.1

FA3839-4, FA3839-5, FA3839-6, FA3839-7, FA3839-8

CAS No.	Compound	FA3882-6 ug/kg	Q	DUP ug/kg	Q	RPD	Limits
83-32-9	Acenaphthene	ND		ND		nc	30 [a]
208-96-8	Acenaphthylene	ND		ND		nc	30 [a]
120-12-7	Anthracene	ND		ND		nc	30 [a]
56-55-3	Benzo(a)anthracene	ND		ND		nc	30 [a]
50-32-8	Benzo(a)pyrene	ND		ND		nc	30 [a]
205-99-2	Benzo(b)fluoranthene	ND		ND		nc	30 [a]
191-24-2	Benzo(g,h,i)perylene	ND		ND		nc	30 [a]
207-08-9	Benzo(k)fluoranthene	ND		ND		nc	30 [a]
218-01-9	Chrysene	ND		ND		nc	30 [a]
53-70-3	Dibenzo(a,h)anthracene	ND		ND		nc	30 [a]
206-44-0	Fluoranthene	ND		ND		nc	30 [a]
86-73-7	Fluorene	ND		ND		nc	30 [a]
193-39-5	Indeno(1,2,3-cd)pyrene	ND		ND		nc	30 [a]
91-57-6	2-Methylnaphthalene	ND		ND		nc	30 [a]
91-20-3	Naphthalene	ND		ND		nc	30 [a]
85-01-8	Phenanthrene	ND		ND		nc	30 [a]
129-00-0	Pyrene	ND		ND		nc	30 [a]
	C11-C22 Aromatics (Unadj.)	ND		ND		nc	30 [a]
	C11-C22 Aromatics	ND		ND		nc	30 [a]
	C9-C18 Aliphatics	ND		ND		nc	30 [a]
	C19-C36 Aliphatics	ND		ND		nc	30 [a]

CAS No.	Surrogate Recoveries	DUP	FA3882-6	Limits
3386-33-2	1-Chlorooctadecane	78%	81%	40-140%
580-13-2	2-Bromonaphthalene	97%	91%	40-140%
84-15-1	o-Terphenyl	67%	59%	40-140%
321-60-8	2-Fluorobiphenyl	95%	90%	40-140%

(a) Advisory control limits.

8.5.1

8

* = Outside of Control Limits.

Southeast ACCUTEST LABORATORIES

Metals Analysis

QC Data Summaries

Includes the following where applicable:

- Method Blank Summaries
- Matrix Spike and Duplicate Summaries
- Blank Spike and Lab Control Sample Summaries
- Serial Dilution Summaries

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP24998
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 04/22/13

Metal	RL	IDL	MDL	MB raw	final
Mercury	0.042	.0025	.0042	-0.0054	<0.042

Associated samples MP24998: FA3839-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.1.1

9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP24998
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 04/22/13

Metal	FA3826-1 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.011	0.33	0.273	116.9	80-120

Associated samples MP24998: FA3839-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.1.2

9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP24998
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 04/22/13 04/22/13

Metal	FA3826-1 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit	FA3826-1 Original	DUP	RPD	QC Limits
Mercury	0.011	0.33	0.273	116.9	0.0	20	0.011	0.011	0.0	0-20

Associated samples MP24998: FA3839-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.1.2

9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP24998
Matrix Type: SOLID

Methods: SW846 7471B
Units: mg/kg

Prep Date: 04/22/13

Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.25	0.25	100.0	80-120

Associated samples MP24998: FA3839-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.1.3

9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP24998
Matrix Type: SOLID

Methods: SW846 7471B
Units: ug/l

Prep Date: 04/22/13

Metal	FA3826-1 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.117	0.00	100.0(a)	0-10

Associated samples MP24998: FA3839-9

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

9.1.4

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25002
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1		
Antimony	1.0	.065	.095		
Arsenic	0.50	.08	.08		
Barium	10	.05	.25		
Beryllium	0.25	.025	.025		
Cadmium	0.20	.025	.025		
Calcium	250	2.5	2.5		
Chromium	0.50	.09	.09	0.0050	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5		
Lead	1.0	.055	.055	-0.055	<1.0
Magnesium	250	3.7	3.8		
Manganese	0.75	.035	.045		
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025		
Potassium	500	10	10		
Selenium	1.0	.1	.15		
Silver	0.50	.025	.025		
Sodium	500	25	25		
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09		
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15		

Associated samples MP25002: FA3839-3, FA3839-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25002
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			04/22/13					04/22/13	
Metal	FA3598-6 Original	DUP	RPD	QC Limits	FA3598-6 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr								
Antimony	anr								
Arsenic	anr								
Barium									
Beryllium									
Cadmium	anr								
Calcium	anr								
Chromium	36.1	17.7 (a)	68.4*(b)	0-20	36.1	33.2 (a)	11.7	-24.8N(c	80-120
Cobalt									
Copper	anr								
Iron	anr								
Lead	16.8	10.1 (a)	49.8*(b)	0-20	16.8	44.2 (a)	29.3	93.6	80-120
Magnesium	anr								
Manganese	anr								
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc	anr								

Associated samples MP25002: FA3839-3, FA3839-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) High RPD due to possible sample non-homogeneity.
(c) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25002
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/13

Metal	FA3598-6 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum	anr					
Antimony	anr					
Arsenic	anr					
Barium						
Beryllium						
Cadmium	anr					
Calcium	anr					
Chromium	36.1	26.0 (a)	8.62	-117.2(b	24.3 (c)	20
Cobalt						
Copper	anr					
Iron	anr					
Lead	16.8	34.5 (a)	21.5	82.2	24.7 (c)	20
Magnesium	anr					
Manganese	anr					
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc	anr					

Associated samples MP25002: FA3839-3, FA3839-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Elevated reporting limit(s) due to matrix interference.
(b) Spike amount low relative to the sample amount. Refer to lab control or spike blank for recovery information.
(c) High RPD due to possible sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25002
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium	anr			
Chromium	10.4	10	104.0	80-120
Cobalt				
Copper	anr			
Iron	anr			
Lead	23.6	25	94.4	80-120
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25002: FA3839-3, FA3839-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.2.3

9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25002
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	FA3598-6 Original	SDL 5:25	%DIF	QC Limits
Aluminum	anr			
Antimony	anr			
Arsenic	anr			
Barium				
Beryllium				
Cadmium	anr			
Calcium	anr			
Chromium	752	894	19.0*(a)	0-10
Cobalt				
Copper	anr			
Iron	anr			
Lead	350	241	31.2*(a)	0-10
Magnesium	anr			
Manganese	anr			
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc	anr			

Associated samples MP25002: FA3839-3, FA3839-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Serial dilution indicates possible matrix interference.

9.2.4 9

POST DIGESTATE SPIKE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25002
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	Sample ml	Final ml	FA3598-6 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium	9.8	10	751.5	736.47	816.4	0.2	2.5	50	159.9*(a	80-120
Cobalt										
Copper										
Iron										
Lead	9.8	10	350.2	343.196	417.7	0.2	2.5	50	149.0*(a	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25002: FA3839-3, FA3839-4

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested
(a) Spike recovery indicates matrix interference and/or outside control limits due to high level in sample relative to spike amount.

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25004
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/13

Metal	RL	IDL	MDL	MB raw	final
Aluminum	10	.75	1		
Antimony	1.0	.065	.095		
Arsenic	0.50	.08	.08		
Barium	10	.05	.25		
Beryllium	0.25	.025	.025		
Cadmium	0.20	.025	.025		
Calcium	250	2.5	2.5		
Chromium	0.50	.09	.09	0.010	<0.50
Cobalt	2.5	.025	.025		
Copper	1.3	.05	.09		
Iron	15	1.5	3.5		
Lead	1.0	.055	.055	-0.025	<1.0
Magnesium	250	3.7	3.8		
Manganese	0.75	.035	.045		
Molybdenum	2.5	.03	.03		
Nickel	2.0	.025	.025		
Potassium	500	10	10		
Selenium	1.0	.1	.15		
Silver	0.50	.025	.025		
Sodium	500	25	25		
Strontium	0.50	.025	.025		
Thallium	0.50	.065	.09		
Tin	2.5	.035	.035		
Titanium	0.50	.045	.045		
Vanadium	2.5	.025	.025		
Zinc	1.0	.15	.15		

Associated samples MP25004: FA3839-5, FA3839-6, FA3839-7, FA3839-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25004
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date:			04/22/13					04/22/13	
Metal	FA3839-5 Original	DUP	RPD	QC Limits	FA3839-5 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony									
Arsenic									
Barium									
Beryllium									
Cadmium									
Calcium									
Chromium	5.5	6.6	18.2	0-20	5.5	24.2	12.8	146.3N(a	80-120
Cobalt									
Copper									
Iron									
Lead	5.3	4.9	7.8	0-20	5.3	33.9	32	89.5	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel									
Potassium									
Selenium									
Silver									
Sodium									
Strontium									
Thallium									
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP25004: FA3839-5, FA3839-6, FA3839-7, FA3839-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) Spike recovery indicates possible matrix interference and/or sample non-homogeneity.

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25004
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/13

Metal	FA3839-5 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit
Aluminum						
Antimony						
Arsenic						
Barium						
Beryllium						
Cadmium						
Calcium						
Chromium	5.5	19.0	11.5	117.0	24.1 (a)	20
Cobalt						
Copper						
Iron						
Lead	5.3	30.8	28.8	88.4	9.6	20
Magnesium						
Manganese						
Molybdenum						
Nickel						
Potassium						
Selenium						
Silver						
Sodium						
Strontium						
Thallium						
Tin						
Titanium						
Vanadium						
Zinc						

Associated samples MP25004: FA3839-5, FA3839-6, FA3839-7, FA3839-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested
(a) High RPD due to possible sample non-homogeneity.

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25004
Matrix Type: SOLID

Methods: SW846 6010C
Units: mg/kg

Prep Date: 04/22/13

Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium	10.8	10	108.0	80-120
Cobalt				
Copper				
Iron				
Lead	24.0	25	96.0	80-120
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25004: FA3839-5, FA3839-6, FA3839-7, FA3839-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25004
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	FA3839-5 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony				
Arsenic				
Barium				
Beryllium				
Cadmium				
Calcium				
Chromium	89.9	95.5	6.2	0-10
Cobalt				
Copper				
Iron				
Lead	86.0	93.8	9.1	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel				
Potassium				
Selenium				
Silver				
Sodium				
Strontium				
Thallium				
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25004: FA3839-5, FA3839-6, FA3839-7, FA3839-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

POST DIGESTATE SPIKE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25004
Matrix Type: SOLID

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/22/13

Metal	Sample ml	Final ml	FA3839-5 Raw	Corr.**	PS ug/l	Spike ml	Spike ug/ml	Spike ug/l	% Rec	QC Limits
Aluminum										
Antimony										
Arsenic										
Barium										
Beryllium										
Cadmium										
Calcium										
Chromium	9.8	10	89.9	88.102	136.4	0.2	2.5	50	96.6	80-120
Cobalt										
Copper										
Iron										
Lead	9.8	10	86	84.28	130.7	0.2	2.5	50	92.8	80-120
Magnesium										
Manganese										
Molybdenum										
Nickel										
Potassium										
Selenium										
Silver										
Sodium										
Strontium										
Thallium										
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25004: FA3839-5, FA3839-6, FA3839-7, FA3839-8

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(**) Corr. sample result = Raw * (sample volume / final volume)
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25025
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 04/25/13 04/25/13

Metal	JB34690-2 Original	DUP	RPD	QC Limits	JB34690-2 Original	MS	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0	0.0	NC	0-20	0.0	0.031	0.030	103.3	80-120

Associated samples MP25025: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.4.2 9

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25025
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date: 04/25/13

Metal	JB34690-2 Original	MSD	Spikelot HGFLWS1	% Rec	MSD RPD	QC Limit
Mercury	0.0	0.031	0.030	103.3	0.0	20

Associated samples MP25025: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.4.2

9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25025
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: mg/l

Prep Date:			04/25/13				04/25/13	
Metal	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits	BSP Result	Spikelot HGFLWS1	% Rec	QC Limits
Mercury	0.0031	0.0030	103.3	80-120	0.032	0.030	106.7	80-120

Associated samples MP25025: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.4.3

9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25025
Matrix Type: LEACHATE

Methods: SW846 7470A
Units: ug/l

Prep Date: 04/25/13

Metal	JB34690-2 Original	SDL 1:5	%DIF	QC Limits
Mercury	0.00	0.00	NC	0-10

Associated samples MP25025: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.4.4

9

BLANK RESULTS SUMMARY
Part 2 - Method Blanks

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25028
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:					04/26/13		04/26/13
Metal	RL	IDL	MDL	MB raw	final	MB raw	final
Aluminum	0.20	.015	.015				
Antimony	0.0060	.0013	.0013				
Arsenic	0.010	.0016	.0025	-0.00040	<0.010	-0.0060	<0.10
Barium	0.20	.001	.005	-0.00010	<0.20	-0.0010	<2.0
Beryllium	0.0040	.0005	.0005				
Cadmium	0.0050	.0005	.0005	-0.00010	<0.0050	-0.0010	<0.050
Calcium	1.0	.05	.05				
Chromium	0.010	.0018	.002	-0.00020	<0.010	-0.0010	<0.10
Cobalt	0.050	.0005	.0005				
Copper	0.025	.001	.001				
Iron	0.30	.029	.029				
Lead	0.0050	.0011	.0011	0.00010	<0.0050	0.020	<0.050
Magnesium	5.0	.074	.074				
Manganese	0.015	.0007	.0007				
Molybdenum	0.050	.0006	.001				
Nickel	0.040	.0005	.0005				
Potassium	10	.2	.2				
Selenium	0.010	.002	.002	-0.00080	<0.010	-0.010	<0.10
Silver	0.010	.0005	.0005	-0.00010	<0.010	0.0020	<0.10
Sodium	10	.5	.5				
Strontium	0.010	.0005	.0005				
Thallium	0.010	.0013	.0013				
Tin	0.050	.0007	.0018				
Titanium	0.010	.0009	.001				
Vanadium	0.050	.0005	.001				
Zinc	0.020	.003	.01				

Associated samples MP25028: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25028
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:			04/26/13					04/26/13	
Metal	JB34690-1 Original	DUP	RPD	QC Limits	JB34690-1 Original	MS	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum									
Antimony	anr								
Arsenic	0.0	0.0	NC	0-20	0.0	21.0	20.0	105.0	80-120
Barium	1.2	1.2	0.0	0-20	1.2	21.8	20.0	103.0	80-120
Beryllium	anr								
Cadmium	0.013	0.012	8.0	0-20	0.013	0.53	0.50	103.4	80-120
Calcium									
Chromium	0.0	0.0	NC	0-20	0.0	2.1	2.0	105.0	80-120
Cobalt									
Copper									
Iron									
Lead	0.14	0.14	0.0	0-20	0.14	5.0	5.0	97.2	80-120
Magnesium									
Manganese									
Molybdenum									
Nickel	anr								
Potassium									
Selenium	0.0	0.0	NC	0-20	0.0	21.2	20.0	106.0	80-120
Silver	0.0	0.0	NC	0-20	0.0	0.50	0.50	100.0	80-120
Sodium									
Strontium									
Thallium	anr								
Tin									
Titanium									
Vanadium									
Zinc									

Associated samples MP25028: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

MATRIX SPIKE AND DUPLICATE RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25028
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:					04/26/13				04/26/13	
Metal	JB34690-1 Original	MSD	Spikelot MPFLICP1	% Rec	MSD RPD	QC Limit	JB34690-1 Original	DUP	RPD	QC Limits
Aluminum										
Antimony	anr									
Arsenic	0.0	21.1	20.0	105.5	0.5	20	0.0	0.0	NC	0-20
Barium	1.2	21.6	20.0	102.0	0.9	20	1.2	1.3	8.0	0-20
Beryllium	anr									
Cadmium	0.013	0.53	0.50	103.4	0.0	20	0.013	0.011	16.7	0-20
Calcium										
Chromium	0.0	2.1	2.0	105.0	0.0	20	0.0	0.0	NC	0-20
Cobalt										
Copper										
Iron										
Lead	0.14	5.0	5.0	97.2	0.0	20	0.14	0.13	7.4	0-20
Magnesium										
Manganese										
Molybdenum										
Nickel	anr									
Potassium										
Selenium	0.0	21.4	20.0	107.0	0.9	20	0.0	0.0	NC	0-20
Silver	0.0	0.50	0.50	100.0	0.0	20	0.0	0.0	NC	0-20
Sodium										
Strontium										
Thallium	anr									
Tin										
Titanium										
Vanadium										
Zinc										

Associated samples MP25028: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(N) Matrix Spike Rec. outside of QC limits
(anr) Analyte not requested

9.5.2 9

SPIKE BLANK AND LAB CONTROL SAMPLE SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25028
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: mg/l

Prep Date:			04/26/13				04/26/13	
Metal	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits	BSP Result	Spikelot MPFLICP1	% Rec	QC Limits
Aluminum								
Antimony	anr							
Arsenic	2.1	2.0	105.0	80-120	21.2	20.0	106.0	80-120
Barium	2.1	2.0	105.0	80-120	21.2	20.0	106.0	80-120
Beryllium	anr							
Cadmium	0.052	0.050	104.0	80-120	0.53	0.50	106.0	80-120
Calcium								
Chromium	0.21	0.20	105.0	80-120	2.2	2.0	110.0	80-120
Cobalt								
Copper								
Iron								
Lead	0.48	0.50	96.0	80-120	5.0	5.0	100.0	80-120
Magnesium								
Manganese								
Molybdenum								
Nickel	anr							
Potassium								
Selenium	2.1	2.0	105.0	80-120	21.5	20.0	107.5	80-120
Silver	0.050	0.050	100.0	80-120	0.51	0.50	102.0	80-120
Sodium								
Strontium								
Thallium	anr							
Tin								
Titanium								
Vanadium								
Zinc								

Associated samples MP25028: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested

9.5.3

9

SERIAL DILUTION RESULTS SUMMARY

Login Number: FA3839
Account: EPSVNCR - EPS of Vermont, Inc
Project: Southern Tire Store Apex; 548 E Williams St, NC

QC Batch ID: MP25028
Matrix Type: LEACHATE

Methods: SW846 6010C
Units: ug/l

Prep Date: 04/26/13

Metal	JB34690-1 Original	SDL 1:5	%DIF	QC Limits
Aluminum				
Antimony	anr			
Arsenic	0.00	0.00	NC	0-10
Barium	122	119	2.9	0-10
Beryllium	anr			
Cadmium	1.30	0.00	100.0(a)	0-10
Calcium				
Chromium	0.00	0.00	NC	0-10
Cobalt				
Copper				
Iron				
Lead	14.2	17.5	23.2 (a)	0-10
Magnesium				
Manganese				
Molybdenum				
Nickel	anr			
Potassium				
Selenium	0.00	0.00	NC	0-10
Silver	0.00	0.00	NC	0-10
Sodium				
Strontium				
Thallium	anr			
Tin				
Titanium				
Vanadium				
Zinc				

Associated samples MP25028: FA3839-9L

Results < IDL are shown as zero for calculation purposes
(*) Outside of QC limits
(anr) Analyte not requested
(a) Percent difference acceptable due to low initial sample concentration (< 50 times IDL).

Appendix G

UST-61 Form and UST-2 Form

UST-61 24-Hour Release and UST Leak Reporting Form.

For Releases in NC

This form should be completed and submitted to the UST Section's regional office following a known or suspected release from an underground storage tank (UST) system. This form is required to be submitted within 24 hours of discovery of a known or suspected release

(DWM USE ONLY)
Incident # _____ Risk (H,I,L,U)_____
Received On _____ Received By _____
Reported by (*circle one*): Phone, Fax or Report
Region _____

Suspected Contamination? (Y/N) Y
Confirmed GW Contamination? (Y/N) N
Confirmed Soil Contamination ?(Y/N) Y
Samples Taken?(Y/N) Y
Free Product? (Y/N) N If Yes, State Greatest Thickness _____

Facility ID Number N/A
Date Leak Discovered 4/17/2013
Comm/Non-Commercial? COMM
Reg/Non-regulated? REG

INCIDENT DESCRIPTION

Incident Name: Southern Tire Store

Address: 548 East Williams Street | County: Wake

City/Town: Apex | Zip Code: 27502 | Regional Office (*circle one*): Asheville, Mooresville, Fayetteville, Raleigh, Washington, Wilmington, Winston-Salem

Latitude (decimal degrees): 35.723660 N Longitude (decimal degrees) : -78.847772 W

Obtained by:
- ☐ GPS
- ☐ Topographic map
- ☐ GIS Address matching
- ☐ Other
- ☐ Unknown

Describe location:

Briefly describe suspected or confirmed release: *(including but not limited to: nature of release, date of release, amount of release, amount of free product present and recovery efforts, initial responses conducted, impacts to receptors)*

During removal activities (on 4/17/2013) for permanent closure of a used oil tank, contaminated soils were discovered beneath the UST.The area of suspect contamination was excavated and soils were field screened with confirmation samples collected and submitted for analysis as required by NCDENR for tank closure and initial response and abatement. Free product was not encountered during excavation activities and the amount of used oil released to the surrounding soils is unknown.

HOW RELEASE WAS DISCOVERED (Release Code)

(Check one)

- ☐ Release Detection Equipment or Methods
- ☐ During UST Closure/Removal
- ☐ Property Transfer
- ☐ Visual/Odor
- ☐ Water in Tank
- ☐ Water Supply Well Contamination
- ☐ Groundwater Contamination
- ☐ Surface Water Contamination
- ☐ Other (specify) _____

SOURCE OF CONTAMINATION

Source of Release *(Check one to indicate primary source)*
- ☐ Tank
- ☐ Piping
- ☐ Dispenser
- ☐ Submersible Turbine Pump
- ☐ Delivery Problem
- ☐ Other
- ☐ Unknown

Definitions presented on reverse

Cause of Release *(Check one to indicate primary cause)*
- ☐ Spill
- ☐ Overfill
- ☐ Corrosion
- ☐ Physical or Mechanical Damage
- ☐ Install Problem
- ☐ Other
- ☑ Unknown

Definitions presented on reverse

Type of Release *(Check one)*
- ☐ Petroleum
- ☐ Non-Petroleum
- ☐ Both

Location *(Check one)*
- ☐ Facility
- ☐ Residence
- ☐ Other

Product Type Released *(Check one to indicate primary product type released)*
- ☐ Gasoline/ Diesel/ Kerosene
- ☐ Heating Oil
- ☐ Other Petroleum Products
- ☐ Metals
- ☐ Other Inorganics
- ☐ Other Organics
- ☐ Diesel/Veg. Oil Blend
- ☐ Vegetable Oil 100%
- ☐ E10 – E20
- ☐ E21 – E84
- ☐ E85 – E99
- ☐ Ethanol 100%
- ☐ E01 – E09

Ownership
1. Municipal 2. Military 3. Unknown 4. Private 5. Federal 6. County 7. State

Operation Type
1. Public Service 2. Agricultural 3. Residential 4. Education/Relig. 5. Industrial 6. Commercial 7. Mining

UST-2 Site Investigation Report for Permanent Closure or Change-in-Service of UST

Return completed form to:
The DWM Regional Office located in the area where the facility is located. Send a copy to the Central Office in Raleigh so that the status of the tank may be changed to "PERMANENTLY CLOSED" and your tank fee account can be closed out.
SEE MAP ON THE BACK OF THIS FORM FOR THE CENTRAL AND REGIONAL OFFICE ADDRESSES.

STATE USE ONLY:
I.D. #_____
Date Received_____

INSTRUCTIONS (READ THIS FIRST)

For more than five UST systems you may attach additional forms as needed.

Permanent closure – For permanent closure, complete all sections of this form.

Change-in-service – For change-in-service where UST systems will be converted from containing a regulated substance to storing a non-regulated substance, complete sections I, II, III, IV, and VIII

Effective February 1, 1995, all UST closure/change-in-service reports must be submitted in the format provided in the UST-12 form. UST closure and change-in-services must be completed in accordance with the latest version of the *Guidelines for Tank Closure*. A copy of the UST-12 form and the *Guidelines for Tank Closure* can be obtained at www.wastenotnc.org.

You must make sure that USTs removed from your property are disposed of properly. When choosing a closure contractor, ask where the tank(s) will be taken for disposal. Usually, USTs are cleaned and cut up for scrap metal. This is dangerous work and must be performed by a qualified company. Tanks disposed of illegally in fields or other dumpsites can leak petroleum products and sludge into the environment. If your tanks are disposed of improperly, you could be held responsible for the cleanup of any environmental damage that occurs.

NOTE: If a release from the tank(s) has occurred, the site assessment portion of the tank closure must be conducted under the supervision of a P.E. or L.G., with all closure site assessment reports bearing the signature and seal of the P.E. or L.G.

I. OWNERSHIP OF TANKS		II. LOCATION OF TANKS		
Owner Name (Corporation, Individual, Public Agency, or Other Entity) Southern Tire and Automotive		Facility Name or Company same		
Street Address 548 E. Williams Street		Facility ID # (If known)		
City Apex	County Wake	Street Address		
State NC	Zip Code 27502	City	County	Zip Code
Phone Number 919-362-8616		Phone Number		

III. CONTACT PERSONNEL

Contact for Facility: Mr. Danny Roberts		Job Title: unknown	Phone. No: 919-362-8616
Closure Contractor Name: EPS of VT	Closure Contractor Company: Mr. Art Davis	Address: 405 South Rogers Lane	Phone. No: 919-852-3595
Primary Consultant Name: Ms. Sandy Miller	Primary Consultant Company: Highlands Envir. Solutions, In	Address: 8410 Falls of Neuse Rd, Raleigh	Phone. No: 919-848-3155

IV. UST INFORMATION FOR REGISTERED UST SYSTEMS / V. EXCAVATION CONDITION

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Change-in-Service Date	Water in excavation Yes	Water in excavation No	Free product Yes	Free product No	Notable odor or visible soil contamination Yes	Notable odor or visible soil contamination No
			~~Unknown~~				☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

VI. UST INFORMATION FOR UNREGISTERED UST SYSTEMS / VII. EXCAVATION CONDITION

Tank ID No.	Size in Gallons	Tank Dimensions	Last Contents	Last Use Date	Permanent Close Date	Tank Owner Name *	Water in excavation Yes	Water in excavation No	Free product Yes	Free product No	Notable odor or visible soil contamination Yes	Notable odor or visible soil contamination No
2	250	30"x7.5'	Oil	unknow n	4-18-2013	4-18-2013	☐	☒	☐	☒	☒	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐
							☐	☐	☐	☐	☐	☐

* If the tank owner address is different from the one listed in Section I., then enter the street address, city, state, zip code and telephone no. below:
New Falls Property, LLC P.O. Box 3807, Cary, NC 27519

VIII. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true accurate and complete.

Print name and official title of owner or owner's authorized representative	Signature	Date Signed
Sandra Miller, Project Scientist HES	Sandra K Miller	5-8-13

NCDENR

North Carolina Department of Environment and Natural Resources
Division of Waste Management
UST Section Central Office
1637 Mail Service Center
Raleigh, NC 27699-1637
(919) 707-8171 FAX (919) 715-1117
portal.ncdenr.org/web/wm/

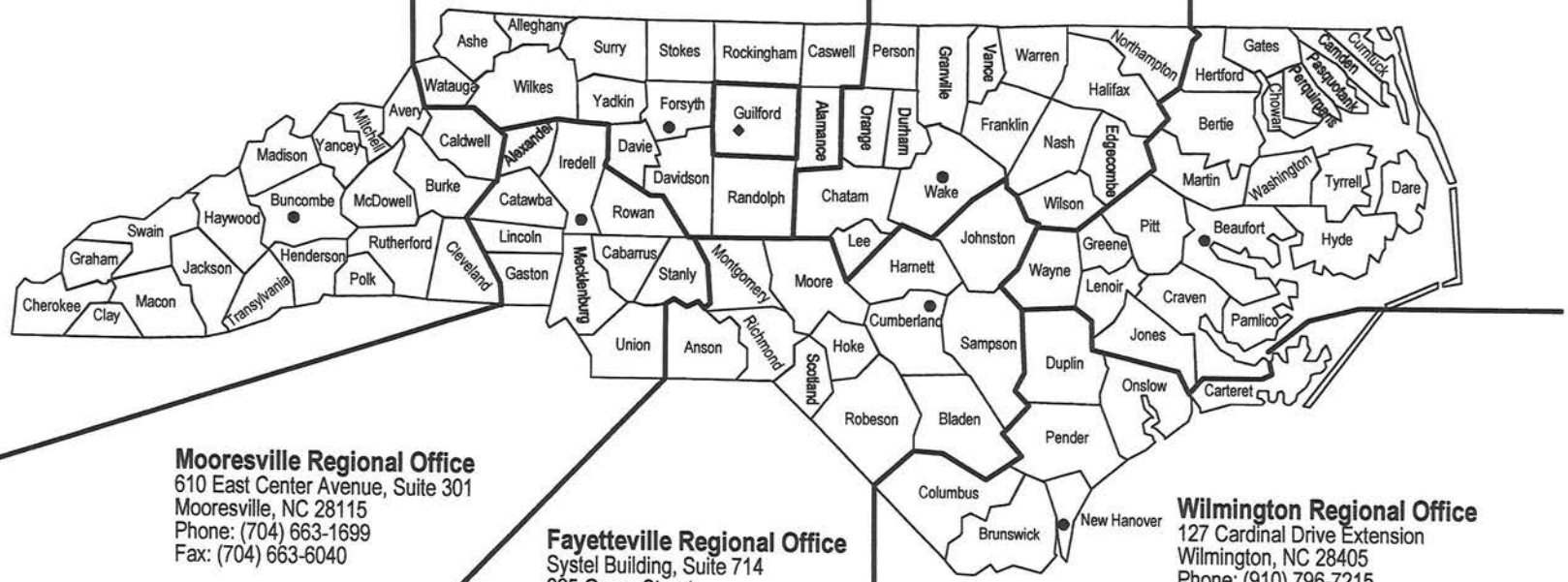
Winston-Salem Regional Office
585 Waughtown Street
Winston-Salem, NC 27107
Phone: (336) 771-5000
Fax: (336) 771-4632

Guilford County Dept. of Public Health
1203 Maple Street
Greensboro, NC 27405
Phone: (336) 641-3771
Fax: (336) 641-4812

Raleigh Regional Office
3800 Barrett Drive
Raleigh, NC 27609
Phone: (919) 791-4200
Fax: (919) 571-4718

Washington Regional Office
943 Washington Square Mall
Washington, NC 27889
Phone: (252) 946-6481
Fax: (252) 975-3716

Asheville Regional Office
2090 U.S. Highway 70
Swannanoa, NC 28778
Phone: (828) 296-4500
Fax: (828) 299-7043



Mooresville Regional Office
610 East Center Avenue, Suite 301
Mooresville, NC 28115
Phone: (704) 663-1699
Fax: (704) 663-6040

Fayetteville Regional Office
Systel Building, Suite 714
225 Green Street
Fayetteville, NC 28301
Phone: (910) 433-3300
Fax: (910) 486-0707

Wilmington Regional Office
127 Cardinal Drive Extension
Wilmington, NC 28405
Phone: (910) 796-7215
Fax: (910) 350-2004

● Regional Office

8/06