

# **PHASE II ENVIRONMENTAL ASSESSMENT**

## **Keen Property Dan River, Virginia**

**Contract ID: 26964**

**Purchase Order Number: 0000436970**

**Region: Salem District (SA)**

**Task Number: SA0085 (3)**

**VDOT Project #: 0726-071-278, C501, P101, R201**

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May 2009



**EEE Consulting, Inc.**

Environmental, Engineering and Educational Solutions

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### 1.0 INTRODUCTION

The Virginia Department of Transportation (VDOT) plans to construct roadway improvements along Virginia State Route (Route) 726 (Kentuck Church Road) from the intersection of Route 360 to 0.15 miles south of the intersection of Route 729 (Kentuck Road). Roadway improvements would include re-alignment of the intersection of Route 726 and Route 729, roadway widening, curbing and subsurface utility adjustments. The proposed project is located in Dan River, Pittsylvania County, Virginia (see **Figure 1**).

Construction of the proposed roadway improvements at the intersection of Route 726 and Route 729 may potentially impact the Keen Property (Site), which is located at 2300 Kentuck Road. The current VDOT project plans indicate the potential for soil excavation at the Site, which serves as an automotive maintenance & service garage. Site reconnaissance and information to date indicates that the adjacent property to the northeast (Corner Café) formerly dispensed petroleum products from underground storage tank systems. Additionally, site reconnaissance and a review of regulatory databases indicate that the adjacent property to the north (Kentuck Grocery) currently operates several petroleum storage tank systems. Additionally, a confirmed petroleum release to the subsurface of the Kentuck Grocery site was reported to the Virginia Department of Environmental Quality (DEQ) in February 1995, which is currently being addressed under the Virginia Petroleum Storage Tank Program (VPSTP). The Keen Property occupies the southwestern side of the intersection between Route 729 and Route 726. Based on this information, petroleum-impact may be present in soils that are planned for excavation. EEE Consulting (EEE) completed Phase II site investigation activities on February 24, 2009 to evaluate the potential for petroleum-impact to the Site.

Phase II investigation activities included seven (7) direct-push soil borings, PID screening of retrieved soil cores, and laboratory analyses. The target analytes selected as indicators of residual-phase petroleum-impact included Total Petroleum Hydrocarbons-Gasoline Range Organics (TPH-GRO); Diesel Range Organics (TPH-DRO); Oil Range Organics (ORO); benzene, toluene, ethylbenzene and o-,m-,p-xylenes (BTEX); Methyl Tertiary-Butyl Ether (MTBE); and Naphthalene. In addition to the analysis of discrete soil samples collected from each soil boring, one composite sample (obtained from the combination of each discrete sample collected throughout the sampling area) was collected and analyzed for the Resource Conservation Recovery Act (RCRA) 8 Metals. Groundwater was not encountered during the boring advancements under this investigation.

Phase II investigative results indicate that residual-phase petroleum constituent concentrations were not detected in the soil samples obtained from B-2 and B-6. The soil samples collected from B-1, B-3, B-4, and B-5 contained reportable residual-phase petroleum constituent concentrations that are above the state action levels for petroleum-impact to soil. The state action level for residual-phase petroleum impact is a TPH concentration equal to or greater than 100-mg/kg or concentrations of any other regulated substances above the laboratory reporting limits.

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The composite soil sample contained reportable residual-phase barium and lead concentrations of 210-mg/kg and 32.0-mg/kg, respectively. These residual-phase concentrations are below the respective Environmental Protection Agency (EPA) Toxicity Limits by applying the Rule of 20. Additionally, EPA Region III also established Risk Based Concentrations (RBC's) for contaminants in soil. The residual-phase barium and lead concentrations in the composite soil sample are below the respective RBC levels. Therefore, results for the metals analysis indicated concentrations below federal and state regulatory levels for metal constituents in soil.

Pre-drilling operations, subsurface boring advancements and sampling methodologies, corresponding analytical results, and conclusions/recommendations pertaining to the investigative activities conducted at the Site are summarized in the following sections of this report.

## 2.0 REGULATORY RECORDS SEARCH AND DATABASE REVIEW

Available government agency databases were reviewed to determine whether hazardous materials-related activities within or near the current project area could potentially threaten the environmental quality of the project area and adjacent properties. The current and past regulatory status of the sites within the project area was determined by a review of information on file with the U.S. Environmental Protection Agency (EPA), and the Virginia Department of Environmental Quality (DEQ).

A records search performed by Environmental Data Resources, Inc. (EDR) of Southport, Connecticut was also reviewed for the project area. The EDR report is presented in **Appendix A**.

For this study, EDR compiled information from federal and state regulatory databases to identify any sites with recognized environmental concerns within the specified search distances. All of the search distances in the EDR records search were based on the ASTM Standard. The EDR database searches did not confirm any mappable sites with regulated hazardous material activities in the respective ASTM search distances (see **Appendix A**).

The EDR report also includes an Orphan Summary that identifies 20 "unmappable" sites with regulated environmental activities. Unmappable sites are sites that were not mapped due to insufficient address information, but that are potentially in the project area. Field reconnaissance was conducted on February 24, 2009 to determine the existence of all reported unmapped sites. The reconnaissance team also attempted to locate "unmappable" (orphan) sites by using street maps, telephone directories, computer searches, and field reconnaissance. The field review confirmed that the EDR unmappable sites are not proximate to the proposed project area.

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EEE personnel performed separate searches of the DEQ Petroleum Storage Tank and Leaking Underground Storage databases because field reconnaissance of the west adjacent Kentuck Grocery documented several regulated petroleum storage tank systems on-site. A review of the storage tank database indicates that the facility currently operates the following petroleum storage tanks:

- ❖ Three (3) 8,000-gallon underground storage tanks (USTs) for the storage of gasoline.
- ❖ One (1) 4,000-gallon UST for the storage of diesel fuel.
- ❖ One (1) 1,000-gallon aboveground storage tank (AST) for the storage of kerosene.

The approximate UST and AST locations are depicted on **Figure 2**.

EEE's review of the LUST database indicates that Kentuck Grocery has one confirmed petroleum release to the environment. The subsurface petroleum release was reported to the DEQ in February 1995. According to the database, corrective actions to address the subsurface petroleum release are currently being regulated under Pollution Complaint No. 1998-1160. Further investigations to ascertain details on the regulated petroleum release were beyond the scope of this investigation.

### 3.0 PUBLIC AND PRIVATE CLEARINGS/MARK OUTS

Prior to implementing direct-push boring operations, the approximate locations of subsurface public utilities were marked in proximity to the Site by Miss Utility of Virginia. A copy of the Miss Utility Ticket for the subject site is included as **Appendix B**. Following the location of public utilities, private utilities were marked within the boundaries of the subject site.

### 4.0 SOIL SAMPLING METHODOLOGIES

After underground utilities were identified and marked, seven (7) direct-push soil borings were identified in areas where soil excavation is proposed for future roadway construction. **Figure 2** illustrates the approximate location of the Site and 7 soil borings. EEE located the borings, observed direct-push boring and piezometer installation, evaluated and documented soil samples, and selected samples for laboratory testing.

The direct-push borings were advanced using a truck-mounted Geoprobe® rig. The direct-push rig utilizes a hollow-stem spoon that produces a continuous soil core in four (4)-foot intervals along the vertical depth of each boring. The 7 borings were advanced until consolidated material (overburden or bedrock) prohibited further advancement referred to as "refusal", 20-ft. BGS, or groundwater was encountered. The boring logs for each boring are presented in **Appendix C**.

Soil cores were collected in 4-foot intervals from each direct-push boring. Each soil core was observed, documented for visual characteristics, and screened for volatile organic compound (VOC) vapors using a Photoionization Detector (PID) (**Appendix C**). For each boring, a portion of the soil core collected from each 4-foot interval was placed into a sealable, gallon-sized

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disposable bag in order for any volatile vapors present in the soil to off-gas into the bag. Typically, the soil sample from each boring with the highest PID results (i.e., demonstrating the highest VOC content) was selected for laboratory analyses. If PID results were inconclusive, the deepest soil sample was selected from the boring terminus.

Each soil sample selected for laboratory analyses was prepared in accordance with the following procedures: 1) placed into two (2) 4-ounce pre-cleaned glass jars sealed with a Teflon®-line lid; 2) appropriately labeled; 3) placed on ice in a cooler to maintain an appropriate temperature ( $\leq 4^{\circ}\text{C}$ ) while in transit to the certified environmental laboratory; and 4) Chain of Custody documentation completed. The analytical data for the targeted residual-phase analytes are provided in **Appendix D**. A detailed discussion of the soil sample results are presented in **Section 5.0**, below.

### 5.0 PID SCREENING AND ANALYTICAL RESULTS

PID screening results for soil cores collected from the 7 direct-push borings ranged from 0.0 to 1,668-parts-per-million (ppm) (see **Appendix C**). The PID results for each soil core were evaluated relative to each other in order to select discrete soil samples for laboratory testing. The elevated PID result observed in B-3 was likely indicative of volatile petroleum indicator compounds.

The residual-phase analytical results for TPH-GRO, TPH-DRO, TPH-ORO, BTEX, MTBE, Naphthalene, and metals from soil samples collected from borings B-1 through B-7 are summarized in **Table 1**. All results are listed in units of mg/kg, with results in bold/underlined text reported at a concentration above the laboratory RL. A detailed laboratory analytical report is provided in **Appendix D**.

A review of **Table 1** indicates that residual-phase petroleum indicator compounds were reported above the RL in the soil samples collected from B-1, B-3, B-4, B-5, and B-7. As discussed in the following section of this report, some of the reported concentrations exceed the state action levels for petroleum impact to soil.

Two of the eight (8) RCRA metals (barium and lead) were reported above the RL in the composite soil sample submitted for laboratory analysis. As discussed in the following section of this report, the reported concentrations are below federal and state regulatory levels for metal constituents in soil.

#### 5.1 Discussion of Results

Residual-phase petroleum constituent concentrations were not detected in the soil samples obtained from B-2 and B-6. The soil samples collected from B-1, B-3, B-4, B-5 and B-7 contained reportable residual-phase petroleum constituent concentrations. A summary of the reported concentrations is provided below.

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- ❖ The soil sample collected from B-1 at 12-16-ft. below ground surface (BGS) contained residual-phase Toluene, m- and p-Xylene, and Naphthalene concentrations of 0.003-mg/kg, 0.0037-mg/kg, and 0.018-mg/kg, respectively.
- ❖ The soil sample collected from B-3 at 4-8.5-ft. BGS contained residual-phase TPH-GRO, TPH-DRO, TPH-ORO, Toluene, Ethylbenzene, total Xylenes, and Naphthalene concentrations of 250-mg/kg, 810-mg/kg, 3.90-mg/kg, 6.5-mg/kg, 16-mg/kg, 56-mg/kg, and 9.90-mg/kg, respectively.
- ❖ The soil sample collected from B-4 at 4-8-ft. BGS contained residual-phase Toluene, Ethylbenzene, and total Xylenes concentrations of 0.01-mg/kg, 0.0071-mg/kg, and 0.032-mg/kg, respectively.
- ❖ The soil sample collected from B-5 at 4-7.5-ft. BGS contained residual-phase Toluene, m- and p-Xylene, and Naphthalene concentrations of 0.0025-mg/kg, 0.0046-mg/kg, and 0.015-mg/kg, respectively.
- ❖ A residual-phase TPH-ORO concentration of 7.3- mg/kg was detected in B-7 at depths that ranged from 8-12-ft. BGS.

A review of the residual-phase analytical data indicates that B-1, B-3, B-4, and B-5 contain certain petroleum indicator compounds at concentrations that are above the state action levels for petroleum-impact to soil. The state action level for residual-phase petroleum impact is a TPH concentration equal to or greater than 100-mg/kg or concentrations of any other regulated substances above the laboratory reporting limits.

The composite soil sample contained reportable residual-phase barium and lead concentrations of 210-mg/kg and 32-mg/kg, respectively. These residual-phase concentrations are below the respective Environmental Protection Agency (EPA) Toxicity Limits by applying the Rule of 20. The rule of 20 assumes the concentration of any given constituent that is 20 times greater than the respective toxicity limit for that constituent may result in exceeding the limit. Additionally, EPA Region III also established RBC's for contaminants in soil. The residual-phase barium and lead concentrations in the composite soil sample are below the respective RBC levels. Therefore, results for the metals analysis indicated concentrations below federal and state regulatory levels for metal constituents in soil.

## 6.0 CONCLUSIONS AND RECOMMENDATIONS

A Phase II investigation was conducted at the Site due to the following conditions:

- ❖ The Site currently serves as an automotive maintenance and repair garage.
- ❖ The adjacent site to the north (Kentuck Grocery) actively stores regulated petroleum products in aboveground and underground storage tank systems.
- ❖ Kentuck Grocery has had a confirmed subsurface petroleum release, which is currently regulated under PC No. 1998-1160.
- ❖ Former use of the adjacent site to the northeast (Corner Café) for the storage and dispensing of petroleum products.

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The objective of the Phase II investigation was to investigate the soils planned for excavation for the presence of petroleum-impact.

Phase II investigative activities included seven (7) direct-push soil borings, soil sampling, and laboratory analyses for target analytes that are indicative of petroleum and metals impact. The Phase II investigation results are as follows:

- ❖ Residual-phase petroleum impact was not detected in the soil samples collected from B-2 and B-6.
- ❖ A residual-phase TPH-ORO concentration of 7.3-mg/kg was detected in B-7 at depths that ranged from 8-12-ft. BGS. This concentration is below the regulatory action reporting level of 100-mg/kg, and TPH threshold for clean fill material.
- ❖ The soil sample obtained from B-1 at 12-16-ft. BGS contained residual-phase Toluene, m- and p-Xylene, and Naphthalene concentrations above the state action levels for petroleum-impact to soil.
- ❖ The soil sample collected from B-3 at 4-8.5-ft. BGS contained residual-phase TPH-GRO, TPH-DRO, Toluene, Ethylbenzene, total Xylenes, and Naphthalene concentrations above the state actions levels for petroleum-impact to soil.
- ❖ The soil sample collected from B-4 at 4-8-ft. BGS contained residual-phase Toluene, Ethylbenzene, and total Xylenes concentrations above the state action levels for petroleum-impact to soil.
- ❖ The soil sample collected from B-5 at 4-7.5-ft. BGS contained residual-phase Toluene, m- and p-Xylene, and Naphthalene concentrations above the state action levels for petroleum-impact to soil.
- ❖ The BTEX constituent concentrations detected in B-1, B-4, and B-5 are below the BTEX clean fill threshold of 10-mg/kg.
- ❖ The composite soil sample contained reportable residual-phase barium and lead concentrations that are below the respective EPA Toxicity Limits by applying the Rule of 20. The subject concentrations are also below the respective EPA Region III RBC's for soil at industrial sites.

### **6.1 Regulatory Reporting Requirements**

Soil samples collected under this investigation contained residual -phase petroleum constituent concentrations in excess of the state release reporting thresholds. The documented soil impacts were observed in B-1, B-3, B-4, and B-5, which were advanced along the northern and eastern perimeters of the Site. Based on this information, EEE recommends that the property owner of the Keen Property contact the DEQ to report a subsurface petroleum release to the environment.

## **6.2 Hazardous Material Management and Disposal Considerations**

The residual-phase petroleum impacts documented in B-1, B-3, B-4, B-5, and B-7 as a result of the Phase II investigation are within the roadway right-of-way (R/W) that was proposed for acquisition by VDOT. The proposed project plans included potential roadway widening and utility improvements in these portions of the site. However, information provided by VDOT Salem District personnel suggests that the proposed project has been indefinitely suspended. If the project is re-implemented, then the following conditions may need to be met.

### **Health & Safety**

Contingency for worker safety would be required in a construction setting. Workers would need to be protected from dermal contact and inhalation. Trenches, pits, or caissons would need to be well ventilated. Tyvek suits or other suitable personal protective equipment should be considered to minimize dermal contact. Monitoring of the breathing zone with a PID, Flame Ionization Detector (FID), or other appropriate gas concentration meters are recommended within the limits of excavation. Workers should be familiarized with project-specific health and safety training. All work should be conducted in accordance with a site-specific health and safety plan.

### **Soil Excavation**

Installation of the proposed improvements would involve soil excavation to depths that potentially extend into impacted media. The residual-phase BTEX constituents detected in B-1, B-4, and B-5 are below the clean fill threshold for BTEX, which is 10-mg/kg. The TPH-ORO concentration detected in B-7 is also below the clean fill threshold for TPH, which is 100-mg/kg. Therefore, soil excavated in proximity to these borings can likely be managed as clean fill material as long as the following set-back requirements are met.

- ❖ It is not disposed closer than 100-ft. from any regularly flowing surface water body.
- ❖ It is not disposed less than 500-ft. from any well or source of drinking water.
- ❖ It is not disposed within 200-ft. of a residence, school, hospital, nursing home, or recreational park.
- ❖ If the soil is disposed on a property not owned by the generator, the generator must notify the property owner that the soil is contaminated and disclose the nature of the contamination.

The residual-phase petroleum constituent concentrations detected in B-3 exceed the TPH and BTEX thresholds for clean fill. This boring was advanced in the northeast corner of the site at the intersection of Rt. 726 and 729. This corner comprises an area in the proposed R/W acquisition that is approximately 50-ft. in length by 25-ft. in width. Residual-phase impact in this boring was observed at depths that ranged from 4- to 8-ft BGS. If petroleum impact is present from 4- to 8-ft. BGS across this corner of the Site, then VDOT would have to potentially manage up to 250-tons of petroleum-impacted soil.

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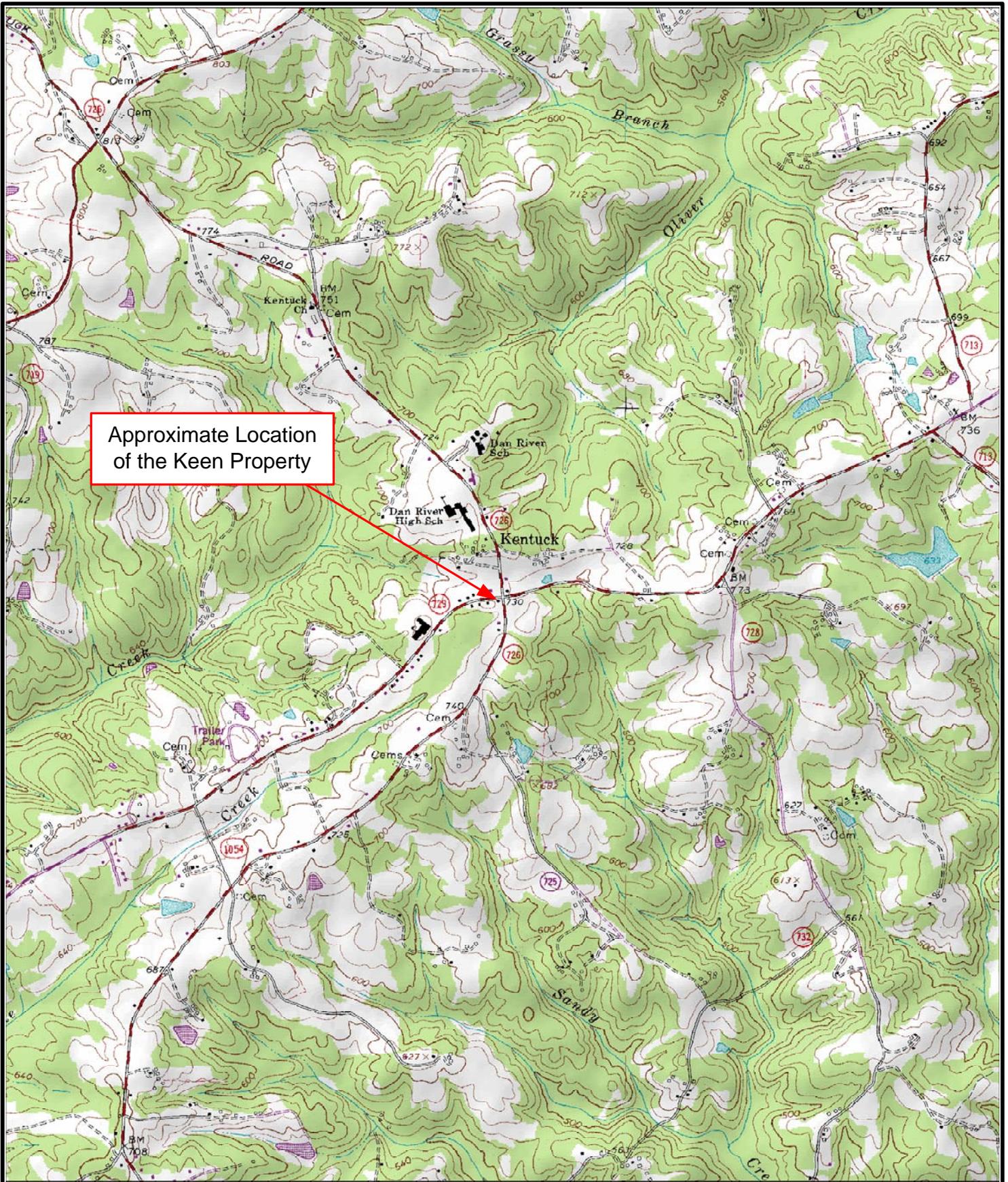
Soil stockpiles would need to be staged on plastic sheeting and protected from run-on and direct precipitation. Based on Section 6.2.4 of the DEQ Storage Tank Program Manual; VDOT may re-deposit non-saturated, petroleum-impacted soil back in the excavation from it originally came without triggering the management requirements of the Solid and Hazardous Waste Management Regulations. If the impacted soil cannot be placed back in the original excavation(s), then it would require disposal at a facility licensed to manage petroleum-impacted materials.

### **7.0 LIMITATIONS**

It is impossible to know with certainty that the entirety of a site is free of hazardous substances or conditions even with extensive subsurface testing. The conclusions of this investigation are based solely on the scope-of-work and on the sources of information reviewed during this investigation. This Phase II report was prepared for the exclusive use of VDOT, and their expressly-designated affiliates. EEE accepts no responsibility for damages or claims resulting from past or future environmental degradation related to the subject site.

### **8.0 ACKNOWLEDGEMENT**

EEE appreciates the opportunity to provide environmental services to VDOT regarding the Keen Property Site. If we may be of further assistance, or you have any questions or comments regarding the project, please contact our office at (540)-953-0170.



Approximate Location of the Keen Property



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Kentucky Road Phase II ESA  
Keen Property  
Dan River, Virginia

FIGURE 1

Topographic Map Showing the  
Phase II Site Location

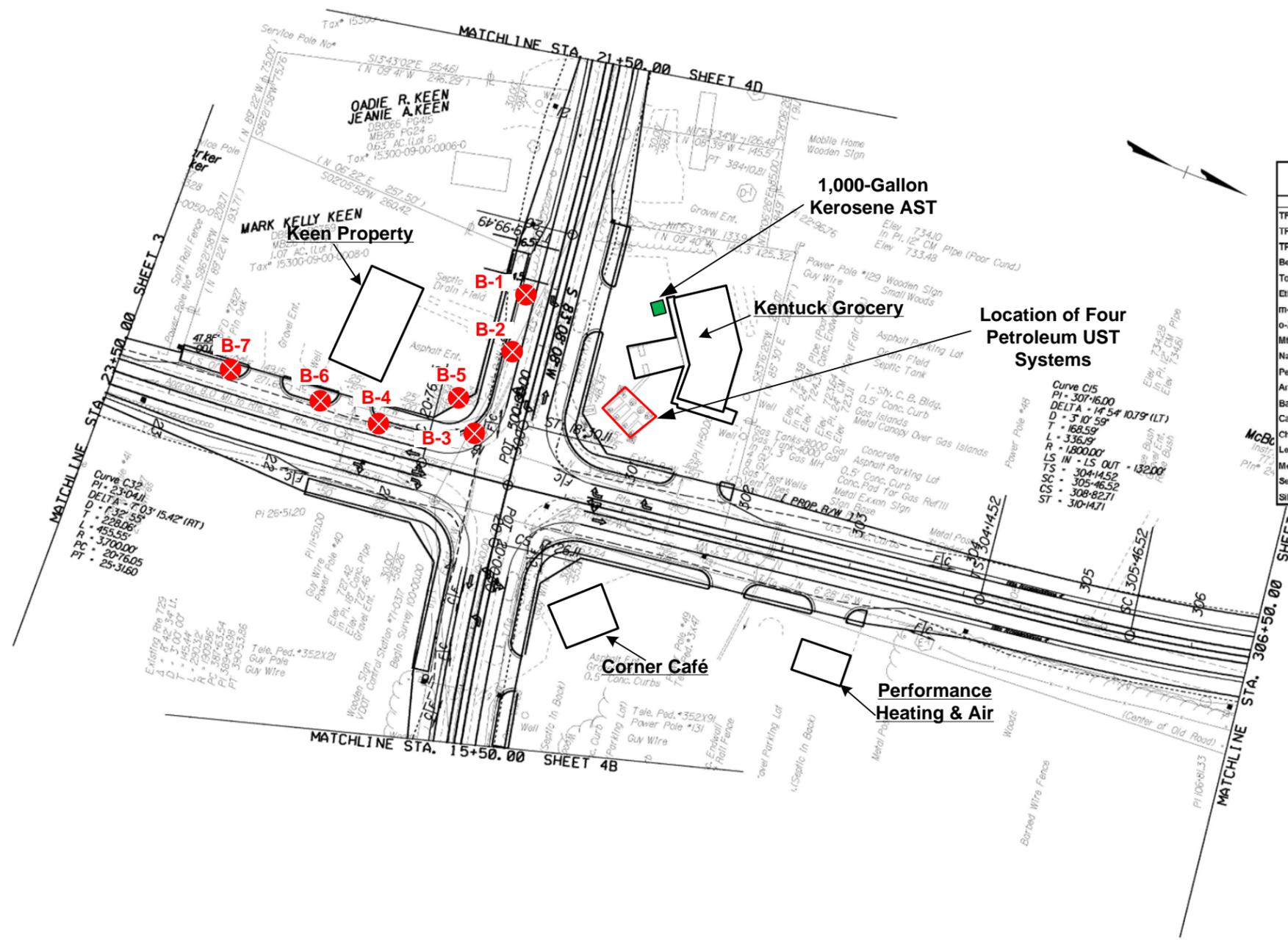
SA0085 (3)

May 2009

REVISED	STATE	FEDERAL AID PROJECT	ROUTE	STATE PROJECT	SHEET NO.
	VA.		726	0726-071-278, C501	4

**PFI PLANS**

THESE PLANS ARE UNFINISHED AND UNAPPROVED AND ARE NOT TO BE USED FOR ANY TYPE OF CONSTRUCTION OR THE ACQUISITION OF RIGHT OF WAY.



Location Laboratory I.D. Depth Below Grade	B-1 RSD0868-01 12-16 feet		B-2 RSD0868-02 12-15 feet		B-3 RSD0868-03 4-8.5 feet		B-4 RSD0868-04 4-8 feet		B-5 RSD0868-05 4-7.5 feet		B-6 RSD0868-06 8-9.7 feet		B-7 RSD0868-07 8-12 feet		Composite RSD0868-08	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
TPH-GRO	ND	0.3	ND	0.34	290	14.0	ND	0.32	ND	0.29	ND	0.31	ND	0.38	NA	NA
TPH-DRO	ND	20.0	ND	23.0	810	94.0	ND	21.0	ND	19.0	ND	20.0	ND	25.0	NA	NA
TPH-ORO	ND	2.5	ND	2.5	3.9	2.5	ND	2.5	ND	2.5	ND	2.5	7.3	2.5	NA	NA
Benzene	ND	0.0012	ND	0.0014	ND	0.11	ND	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
Toluene	0.003	0.0012	ND	0.0014	6.5	0.11	0.01	0.0013	0.0025	0.0011	ND	0.0012	ND	0.0015	NA	NA
Ethylbenzene	ND	0.0012	ND	0.0014	16.0	0.11	0.0071	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
m- and p- Xylene	0.0037	0.0024	ND	0.0027	40.0	0.23	0.026	0.0025	0.0046	0.0013	ND	0.0025	ND	0.0031	NA	NA
o-Xylene	ND	0.0012	ND	0.0014	16.0	0.11	0.0058	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
MIBE	ND	0.0012	ND	0.0014	ND	0.11	ND	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
Naphthalene	0.018	0.006	ND	0.0068	9.9	0.57	ND	0.0063	0.015	0.0057	ND	0.0061	ND	0.0077	NA	NA
Percent Solids	83	0.10%	74	0.10%	82	0.10%	79	0.10%	87	0.10%	82	0.10%	65	0.10%	81	0.10%
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.6
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	210	0.65
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.26
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.88
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	32	1.3
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.1
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	5.2
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.65

REFERENCES (PROFILES, DETAIL & DRAINAGE DESCRIPTION SHEETS, ETC.)

**Legend**

⊗ - Soil Boring (B-1) – 02/24/09



Keen Property  
Phase II ESA  
Dan River, VA

**FIGURE 2**

Site Map With Soil Boring Locations  
Advanced on 02/24/09.

PLAN NO.	PROJECT	FILE NO.	SHEET NO.
	0726-071-278		4

**Table 1: Soil Boring Analytical Data**  
**All units in mg/kg - dry weight**  
**Keen Property Phase II, Dan River, VA**

Location Laboratory I.D. Depth Below Grade	B-1 RSB0868-01 12-16 feet		B-2 RSB0868-02 12-15 feet		B-3 RSB0868-03 4-8.5 feet		B-4 RSB0868-04 4-8 feet		B-5 RSB0868-05 4-7.5 feet		B-6 RSB0868-06 8-9.7 feet		B-7 RSB0868-07 8-12 feet		Composite RSB0868-08	
	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL	Result	RL
TPH-GRO	ND	0.3	ND	0.34	<b>250</b>	14.0	ND	0.32	ND	0.29	ND	0.31	ND	0.38	NA	NA
TPH-DRO	ND	20.0	ND	23.0	<b>810</b>	94.0	ND	21.0	ND	19.0	ND	20.0	ND	25.0	NA	NA
TPH-ORO	ND	2.5	ND	2.5	<b>3.9</b>	2.5	ND	2.5	ND	2.5	ND	2.5	<b>7.3</b>	2.5	NA	NA
Benzene	ND	0.0012	ND	0.0014	ND	0.11	ND	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
Toluene	<b>0.003</b>	0.0012	ND	0.0014	<b>6.5</b>	0.11	<b>0.01</b>	0.0013	<b>0.0025</b>	0.0011	ND	0.0012	ND	0.0015	NA	NA
Ethylbenzene	ND	0.0012	ND	0.0014	<b>16.0</b>	0.11	<b>0.0071</b>	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
m- and p- Xylene	<b>0.0037</b>	0.0024	ND	0.0027	<b>40.0</b>	0.23	<b>0.026</b>	0.0025	<b>0.0046</b>	0.0013	ND	0.0025	ND	0.0031	NA	NA
o-Xylene	ND	0.0012	ND	0.0014	<b>16.0</b>	0.11	<b>0.0058</b>	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
MtBE	ND	0.0012	ND	0.0014	ND	0.11	ND	0.0013	ND	0.0011	ND	0.0012	ND	0.0015	NA	NA
Naphthalene	<b>0.018</b>	0.006	ND	0.0068	<b>9.9</b>	0.57	ND	0.0063	<b>0.015</b>	0.0057	ND	0.0061	ND	0.0077	NA	NA
Percent Solids	<b>83</b>	0.10%	<b>74</b>	0.10%	<b>82</b>	0.10%	<b>79</b>	0.10%	<b>87</b>	0.10%	<b>82</b>	0.10%	<b>65</b>	0.10%	<b>81</b>	0.10%
Arsenic	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	2.6
Barium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>210</b>	0.65
Cadmium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0.3	0.26
Chromium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.68
Lead	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	<b>32</b>	1.3
Mercury	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.1
Selenium	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	5.2
Silver	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	ND	0.65

Notes:

RL = Laboratory Reporting Limit

**Bold / Underlined** text = Concentration reported  $\geq$  RL

ND = Below Laboratory Detection Limit

## **Appendix A**

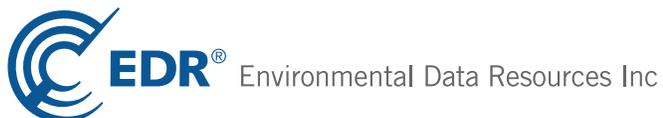
### **EDR Database Report**

**Kentuck Road Phase IIs**

9312 Kentuck Church Road  
Danville, VA 24540

Inquiry Number: 2407385.1s  
January 26, 2009

**The EDR Radius Map™ Report with GeoCheck®**



440 Wheelers Farms Road  
Milford, CT 06461  
Toll Free: 800.352.0050  
[www.edrnet.com](http://www.edrnet.com)

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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

9312 KENTUCK CHURCH ROAD  
DANVILLE, VA 24540

#### COORDINATES

Latitude (North): 36.657800 - 36° 39' 28.1"  
Longitude (West): 79.298100 - 79° 17' 53.2"  
Universal Transverse Mercator: Zone 17  
UTM X (Meters): 652114.4  
UTM Y (Meters): 4058058.8  
Elevation: 732 ft. above sea level

### USGS TOPOGRAPHIC MAP ASSOCIATED WITH TARGET PROPERTY

Target Property Map: 36079-F3 BLAIRS, VA  
Most Recent Revision: 1990

### TARGET PROPERTY SEARCH RESULTS

The target property was not listed in any of the databases searched by EDR.

### 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

## EXECUTIVE SUMMARY

### ***Federal CERCLIS list***

CERCLIS..... Comprehensive Environmental Response, Compensation, and Liability Information System

### ***Federal CERCLIS NFRAP site List***

CERC-NFRAP..... CERCLIS No Further Remedial Action Planned

### ***Federal RCRA CORRACTS facilities list***

CORRACTS..... Corrective Action Report

### ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF..... RCRA - Transporters, 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

### ***Federal ERNS list***

ERNS..... Emergency Response Notification System

### ***State- and tribal - equivalent CERCLIS***

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

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

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

### ***State and tribal leaking storage tank lists***

LUST..... Leaking Underground Storage Tank Tracking Database

LTANKS..... Leaking Petroleum Storage Tanks

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

### ***State and tribal registered storage tank lists***

UST..... Registered Petroleum Storage Tanks

AST..... Registered Petroleum Storage Tanks

INDIAN UST..... Underground Storage Tanks on Indian Land

### ***State and tribal institutional control / engineering control registries***

ENG CONTROLS..... Engineering Controls Sites Listing

## EXECUTIVE SUMMARY

INST CONTROL..... Voluntary Remediation Program Database

### **State and tribal voluntary cleanup sites**

INDIAN VCP..... Voluntary Cleanup Priority Listing  
VCP..... Voluntary Remediation Program

### **State and tribal Brownfields sites**

BROWNFIELDS..... Brownfields Site Specific Assessments

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

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

#### **Local Lists of Landfill / Solid Waste Disposal Sites**

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

#### **Local Lists of Hazardous waste / Contaminated Sites**

US CDL..... Clandestine Drug Labs

#### **Local Land Records**

LIENS 2..... CERCLA Lien Information  
LUCIS..... Land Use Control Information System

#### **Records of Emergency Release Reports**

HMIRS..... Hazardous Materials Information Reporting System  
SPILLS..... Pollution Complaint Database

#### **Other Ascertainable Records**

RCRA-NonGen..... RCRA - Non Generators  
DOT OPS..... Incident and Accident Data  
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

## EXECUTIVE SUMMARY

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
DRYCLEANERS.....	Drycleaner List
ENF.....	Enforcement Actions Data
NPDES.....	Comprehensive Environmental Data System
AIRS.....	Permitted Airs Facility List
INDIAN RESERV.....	Indian Reservations
SCRD DRYCLEANERS.....	State Coalition for Remediation of Drycleaners Listing
PWS.....	Public Water System Data

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

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

### SURROUNDING SITES: SEARCH RESULTS

Surrounding sites were not identified.

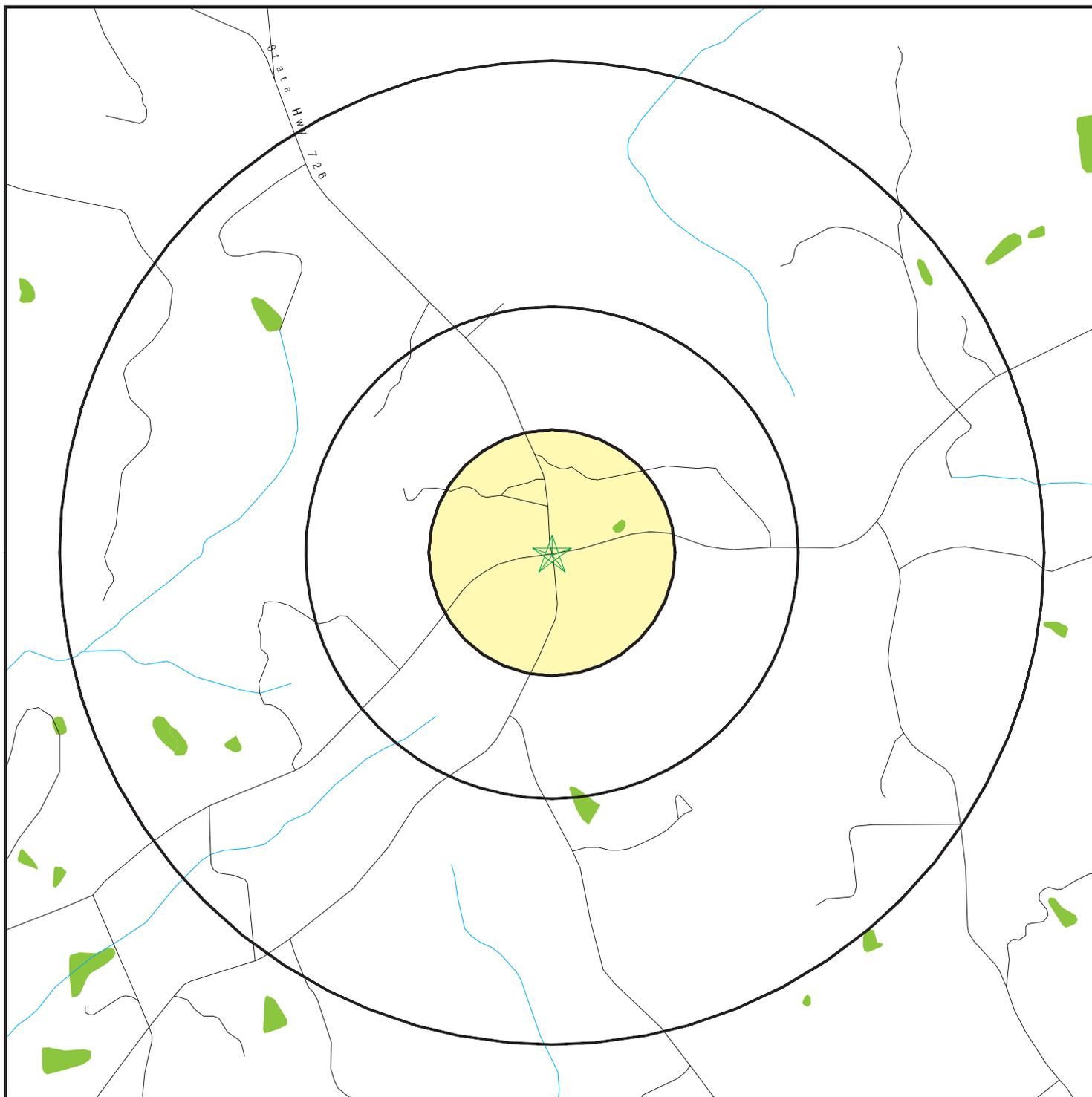
Unmappable (orphan) sites are not considered in the foregoing analysis.

## EXECUTIVE SUMMARY

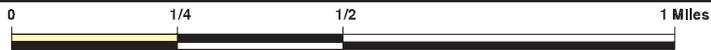
Due to poor or inadequate address information, the following sites were not mapped:

<u>Site Name</u>	<u>Database(s)</u>
WEST 58 MARKET	LUST
FORMER FOUST TRUCK SERVICE	LUST, LTANKS
SOUTHLAND OIL CO	LUST, LTANKS
FOUST TRUCK SERVICE, VDOT-ROW	LUST
THE STORE SITE/W.H.HARDY	LUST
PENSKE TRUCK LEASING CO. (US58)	LUST
BROSVILLE AREA HQ	LUST, LTANKS
DOUGS REPAIR SHOP	LUST
DOUGS REPAIR SHOP	LTANKS
SHARON SUPERMARKET	UST
SUTHERLIN ACADEMY	UST
THE SIGN SHOP	UST
B.C. HARDING STORE	UST
VAN COLLINS AIRPORT 76	UST
DONALDS CONVENIENCE MART	UST
YEAMAN MOTOR CO INC	FINDS, RCRA-CESQG
SMITHS PAINT & BODY	FINDS, RCRA-CESQG
FAS MART INC STORE 118	FINDS, RCRA-CESQG
KENTUCK RD	ERNS
ROUTE 29 NEAR DRY FORK ROAD	SPILLS

# OVERVIEW MAP - 2407385.1s



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



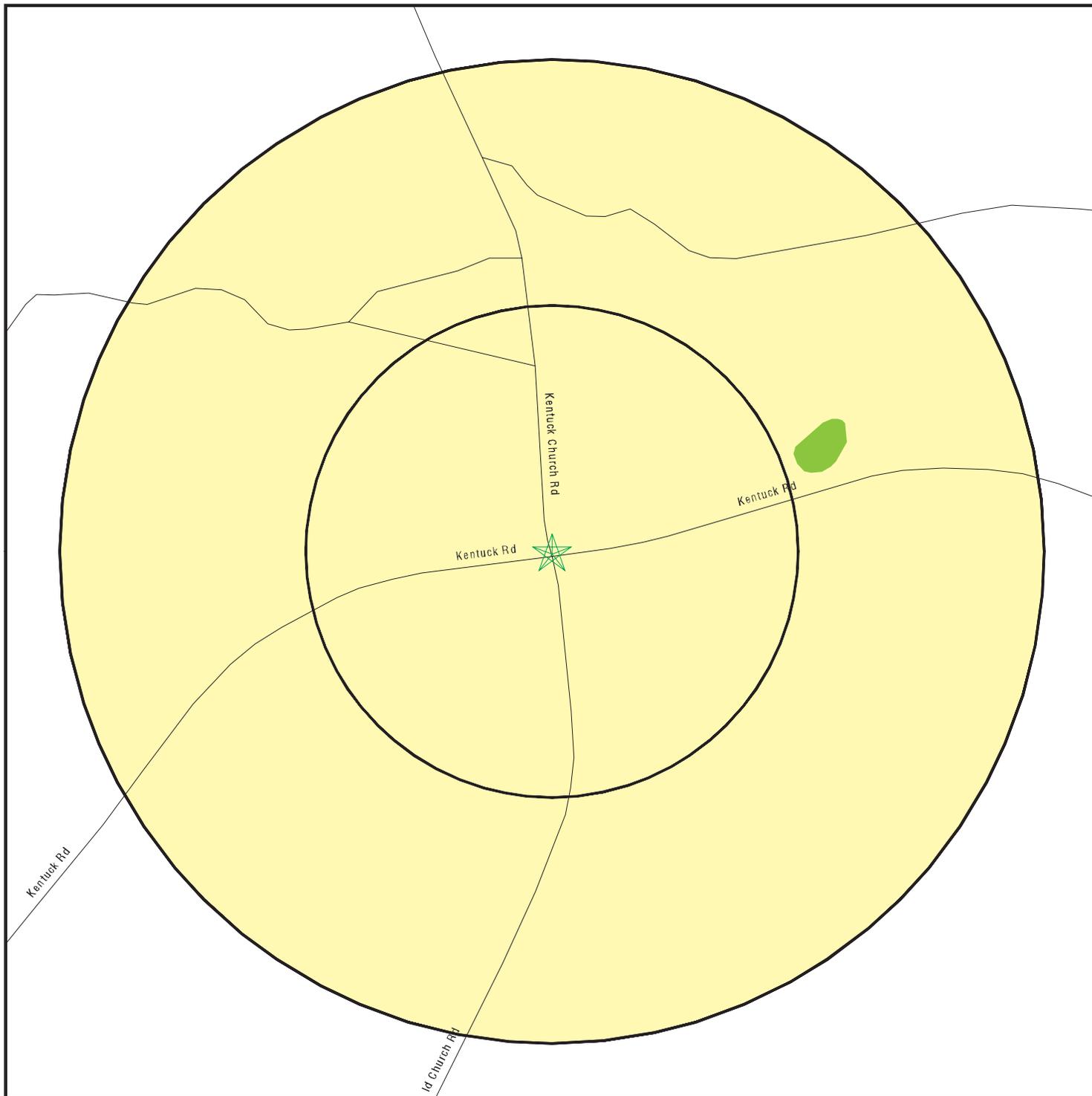
- 🏠 Indian Reservations BIA
- 🛞 Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory



SITE NAME: Kentuck Road Phase IIs  
 ADDRESS: 9312 Kentuck Church Road  
 Danville VA 24540  
 LAT/LONG: 36.6578 / 79.2981

CLIENT: EEE Consulting  
 CONTACT: Ryan Day  
 INQUIRY #: 2407385.1s  
 DATE: January 26, 2009 10:40 am

# DETAIL MAP - 2407385.1s



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

- 🏠 Indian Reservations BIA
- 🛢️ Oil & Gas pipelines
- 🌊 100-year flood zone
- 🌊 500-year flood zone
- 🌿 National Wetland Inventory

SITE NAME: Kentuck Road Phase IIs  
 ADDRESS: 9312 Kentuck Church Road  
 Danville VA 24540  
 LAT/LONG: 36.6578 / 79.2981

CLIENT: EEE Consulting  
 CONTACT: Ryan Day  
 INQUIRY #: 2407385.1s  
 DATE: January 26, 2009 10:40 am

## MAP FINDINGS SUMMARY

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

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
AST		0.250	0	0	NR	NR	NR	0
INDIAN UST		0.250	0	0	NR	NR	NR	0
<b>State and tribal institutional control / engineering control registries</b>								
ENG CONTROLS		0.500	0	0	0	NR	NR	0
INST CONTROL		0.500	0	0	0	NR	NR	0
<b>State and tribal voluntary cleanup sites</b>								
INDIAN VCP		0.500	0	0	0	NR	NR	0
VCP		0.500	0	0	0	NR	NR	0
<b>State and tribal Brownfields sites</b>								
BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>ADDITIONAL ENVIRONMENTAL RECORDS</b>								
<b>Local Brownfield lists</b>								
US BROWNFIELDS		0.500	0	0	0	NR	NR	0
<b>Local Lists of Landfill / Solid Waste Disposal Sites</b>								
ODI		0.500	0	0	0	NR	NR	0
DEBRIS REGION 9		0.500	0	0	0	NR	NR	0
INDIAN ODI		0.500	0	0	0	NR	NR	0
<b>Local Lists of Hazardous waste / Contaminated Sites</b>								
US CDL		TP	NR	NR	NR	NR	NR	0
<b>Local Land Records</b>								
LIENS 2		TP	NR	NR	NR	NR	NR	0
LUCIS		0.500	0	0	0	NR	NR	0
<b>Records of Emergency Release Reports</b>								
HMIRS		TP	NR	NR	NR	NR	NR	0
SPILLS		TP	NR	NR	NR	NR	NR	0
<b>Other Ascertainable Records</b>								
RCRA-NonGen		0.250	0	0	NR	NR	NR	0
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
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

## MAP FINDINGS SUMMARY

Database	Target Property	Search Distance (Miles)	< 1/8	1/8 - 1/4	1/4 - 1/2	1/2 - 1	> 1	Total Plotted
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
DRYCLEANERS		0.250	0	0	NR	NR	NR	0
ENF		TP	NR	NR	NR	NR	NR	0
NPDES		TP	NR	NR	NR	NR	NR	0
AIRS		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
PWS		TP	NR	NR	NR	NR	NR	0

### EDR PROPRIETARY RECORDS

#### *EDR Proprietary Records*

Manufactured Gas Plants		1.000	0	0	0	0	NR	0
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#### NOTES:

TP = Target Property

NR = Not Requested at this Search Distance

Sites may be listed in more than one database

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

Map ID  
Direction  
Distance  
Elevation

MAP FINDINGS

Site

Database(s)

EDR ID Number  
EPA ID Number

NO SITES FOUND

## ORPHAN SUMMARY

City	EDR ID	Site Name	Site Address	Zip	Database(s)
DANVILLE	S105379483	ROUTE 29 NEAR DRY FORK ROAD	ROUTE 29		SPILLS
DANVILLE	U003677467	THE SIGN SHOP	3744 HWY. 29 NORTH	24540	UST
DANVILLE	U004010643	B.C. HARDING STORE	ROUTE 29 N	24540	UST
DANVILLE	S106565460	FORMER FOUST TRUCK SERVICE	ROUTE 29 BYPASS		LUST, LTANKS
DANVILLE	S106565540	SOUTHLAND OIL CO	3760 HIGHWAY 29 N		LUST, LTANKS
DANVILLE	S105028086	FOUST TRUCK SERVICE, VDOT-ROW	ROUTE 29, BYPASS		LUST
DANVILLE	U003677348	VAN COLLINS AIRPORT 76	HWY. 58 EAST	24540	UST
DANVILLE	S104742752	THE STORE SITE/W.H.HARDY	HWY. 58		LUST
DANVILLE	S106754764	PENSKE TRUCK LEASING CO. (US58)	HWY 58 WEST (P.O. BOX 2280)		LUST
DANVILLE	1004790678	SMITHS PAINT & BODY	RTE 8 BOX 633	24540	FINDS, RCRA-CESQG
DANVILLE	2002604220	KENTUCK RD	KENTUCK RD		ERNS
DANVILLE	S106565539	BROSVILLE AREA HQ	10369 MARTINSVILLE HWY		LUST, LTANKS
DANVILLE	S105463355	DOUGS REPAIR SHOP	U S ROUTE 41 SOUTH	24540	LTANKS
DANVILLE	S106565360	DOUGS REPAIR SHOP	U S ROUTE 41 SOUTH		LUST
RINGGOLD	U003675066	DONALDS CONVENIENCE MART	220 MILTON HIGHWAY	24586	UST
SCOTTSBURG	1004791459	FAS MART INC STORE 118	7149 JAMES D HAGWOOD HWY	24586	FINDS, RCRA-CESQG
DANVILLE	1004789198	YEAMAN MOTOR CO INC	RT#7 & STATE RD #745	24540	FINDS, RCRA-CESQG
DANVILLE	S106566041	WEST 58 MARKET	RT. 1 BOX 239		LUST
DANVILLE	U003698464	SHARON SUPERMARKET	RT. 2 BOX 474-A	24540	UST
DANVILLE	U003675862	SUTHERLIN ACADEMY	RT 2, BOX 516	24540	UST

# 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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	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: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	Data Release Frequency: Quarterly

#### **NPL LIENS: Federal Superfund Liens**

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

Date of Government Version: 10/15/1991	Source: EPA
Date Data Arrived at EDR: 02/02/1994	Telephone: 202-564-4267
Date Made Active in Reports: 03/30/1994	Last EDR Contact: 11/17/2008
Number of Days to Update: 56	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## ***Federal Delisted NPL site list***

DELISTED NPL: National Priority List Deletions

The National Oil and Hazardous Substances Pollution Contingency Plan (NCP) establishes the criteria that the EPA uses to delete sites from the NPL. In accordance with 40 CFR 300.425.(e), sites may be deleted from the NPL where no further response is appropriate.

Date of Government Version: 09/29/2008	Source: EPA
Date Data Arrived at EDR: 10/10/2008	Telephone: N/A
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 09/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	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: 10/07/2008	Source: EPA
Date Data Arrived at EDR: 10/16/2008	Telephone: 703-412-9810
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 01/16/2009
Number of Days to Update: 53	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Quarterly

## ***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: 12/03/2007	Source: EPA
Date Data Arrived at EDR: 12/06/2007	Telephone: 703-412-9810
Date Made Active in Reports: 02/20/2008	Last EDR Contact: 01/26/2009
Number of Days to Update: 76	Next Scheduled EDR Contact: 03/16/2009
	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: 09/11/2008	Source: EPA
Date Data Arrived at EDR: 09/19/2008	Telephone: 800-424-9346
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 12/01/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 03/02/2009
	Data Release Frequency: Quarterly

## ***Federal RCRA non-CORRACTS TSD facilities list***

RCRA-TSDF: RCRA - Transporters, 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 01/23/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 01/23/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 01/23/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 01/23/2009  
Next Scheduled EDR Contact: 02/16/2009  
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: 10/06/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: Environmental Protection Agency  
Telephone: 703-603-0695  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Varies

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/06/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/17/2008	Telephone: 703-603-0695
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Varies

## **Federal ERNS list**

### ERNS: Emergency Response Notification System

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

Date of Government Version: 12/31/2007	Source: National Response Center, United States Coast Guard
Date Data Arrived at EDR: 01/23/2008	Telephone: 202-267-2180
Date Made Active in Reports: 03/17/2008	Last EDR Contact: 01/23/2009
Number of Days to Update: 54	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Annually

## **State- and tribal - equivalent CERCLIS**

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

State Hazardous Waste Sites. State hazardous waste site records are the states' equivalent to CERCLIS. These sites may or may not already be listed on the federal CERCLIS list. Priority sites planned for cleanup using state funds (state equivalent of Superfund) are identified along with sites where cleanup will be paid for by potentially responsible parties. Available information varies by state.

Date of Government Version: N/A	Source: Department of Environmental Quality
Date Data Arrived at EDR: N/A	Telephone: 804-698-4236
Date Made Active in Reports: N/A	Last EDR Contact: 01/12/2009
Number of Days to Update: N/A	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: N/A

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

### SWF/LF: Solid Waste Management Facilities

Solid Waste Facilities/Landfill Sites. SWF/LF type records typically contain an inventory of solid waste disposal facilities or landfills in a particular state. Depending on the state, these may be active or inactive facilities or open dumps that failed to meet RCRA Subtitle D Section 4004 criteria for solid waste landfills or disposal sites.

Date of Government Version: 08/20/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 08/21/2008	Telephone: 804-698-4238
Date Made Active in Reports: 09/05/2008	Last EDR Contact: 01/12/2009
Number of Days to Update: 15	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Quarterly

## **State and tribal leaking storage tank lists**

### LUST REG WC: Leaking Underground Storage Tank List

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

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/04/2008  
Date Data Arrived at EDR: 09/24/2008  
Date Made Active in Reports: 09/30/2008  
Number of Days to Update: 6

Source: Department of Environmental Quality West Central Regional Office  
Telephone: 540-562-6700  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

## LUST REG VA: Leaking Underground Storage Tank List

Leaking underground storage tank site locations. Includes: counties of Albemarle, Augusta, Bath, Clarke, Fluvanna, Frederick, Greene, Highland, Nelson, Page, Rockbridge, Rockingham, Shenandoah, Warren; cities of Buena Vista, Charlottesville, Harrisonburg, Lexington, Staunton, Waynesboro, Winchester.

Date of Government Version: 09/23/2008  
Date Data Arrived at EDR: 09/26/2008  
Date Made Active in Reports: 09/30/2008  
Number of Days to Update: 4

Source: Department of Environmental Quality Valley Regional Office  
Telephone: 540-574-7800  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

## LUST REG TD: Leaking Underground Storage Tank Sites

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

Date of Government Version: 09/30/2008  
Date Data Arrived at EDR: 10/02/2008  
Date Made Active in Reports: 10/07/2008  
Number of Days to Update: 5

Source: Department of Environmental Quality Tidewater Regional Office  
Telephone: 757-518-2198  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

## LUST REG SW: Leaking Underground Storage Tank Database

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

Date of Government Version: 12/09/2008  
Date Data Arrived at EDR: 12/09/2008  
Date Made Active in Reports: 12/22/2008  
Number of Days to Update: 13

Source: Department of Environmental Quality Southwest Regional Office  
Telephone: 276-676-4800  
Last EDR Contact: 11/03/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: No Update Planned

## LUST REG PD: Leaking Underground Storage Tank Sites

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

Date of Government Version: 09/23/2008  
Date Data Arrived at EDR: 09/24/2008  
Date Made Active in Reports: 09/30/2008  
Number of Days to Update: 6

Source: Department of Environmental Quality Piedmont Regional Office  
Telephone: 804-527-5020  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

## LUST REG NO: Leaking Underground Storage Tank Tracking Database

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

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

Source: Department of Environmental Quality Northern Regional Office  
Telephone: 703-583-3800  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## LUST REG SC: Leaking Underground Storage Tanks

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

Date of Government Version: 09/26/2008	Source: Department of Environmental Quality, South Central Region
Date Data Arrived at EDR: 09/26/2008	Telephone: 434-582-5120
Date Made Active in Reports: 09/30/2008	Last EDR Contact: 12/22/2008
Number of Days to Update: 4	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Semi-Annually

## LTANKS: Leaking Petroleum Storage Tanks

Includes releases of petroleum from underground storage tanks and aboveground storage tanks.

Date of Government Version: 09/03/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/23/2008	Telephone: Please call the
Date Made Active in Reports: 09/30/2008	Last EDR Contact: 12/23/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 12/22/2008
	Data Release Frequency: Quarterly

## INDIAN LUST R1: Leaking Underground Storage Tanks on Indian Land

A listing of leaking underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	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: 06/06/2008	Source: EPA Region 4
Date Data Arrived at EDR: 10/09/2008	Telephone: 404-562-8677
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

## INDIAN LUST R6: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in New Mexico and Oklahoma.

Date of Government Version: 11/25/2008	Source: EPA Region 6
Date Data Arrived at EDR: 11/26/2008	Telephone: 214-665-6597
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## INDIAN LUST R7: Leaking Underground Storage Tanks on Indian Land

LUSTs on Indian land in Iowa, Kansas, and Nebraska.

Date of Government Version: 04/01/2008	Source: EPA Region 7
Date Data Arrived at EDR: 12/03/2008	Telephone: 913-551-7003
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/19/2008
Number of Days to Update: 20	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## 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: 12/02/2008	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2008	Telephone: 303-312-6271
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 10/10/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/10/2008	Telephone: 415-972-3372
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

INDIAN LUST R10: Leaking Underground Storage Tanks on Indian Land  
LUSTs on Indian land in Alaska, Idaho, Oregon and Washington.

Date of Government Version: 11/18/2008	Source: EPA Region 10
Date Data Arrived at EDR: 11/19/2008	Telephone: 206-553-2857
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## **State and tribal registered storage tank lists**

UST: Registered Petroleum Storage Tanks  
Registered Underground Storage Tanks. UST's are regulated under Subtitle I of the Resource Conservation and Recovery Act (RCRA) and must be registered with the state department responsible for administering the UST program. Available information varies by state program.

Date of Government Version: 09/03/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/23/2008	Telephone: 804-527-5249
Date Made Active in Reports: 10/01/2008	Last EDR Contact: 10/23/2008
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Semi-Annually

AST: Registered Petroleum Storage Tanks  
Registered Aboveground Storage Tanks.

Date of Government Version: 09/03/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 09/23/2008	Telephone: 804-698-4317
Date Made Active in Reports: 10/01/2008	Last EDR Contact: 10/23/2008
Number of Days to Update: 8	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R7: Underground Storage Tanks on Indian Land  
No description is available for this data

Date of Government Version: 06/01/2007	Source: EPA Region 7
Date Data Arrived at EDR: 06/14/2007	Telephone: 913-551-7003
Date Made Active in Reports: 07/05/2007	Last EDR Contact: 11/19/2008
Number of Days to Update: 21	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

INDIAN UST R6: Underground Storage Tanks on Indian Land  
No description is available for this data

Date of Government Version: 11/25/2008	Source: EPA Region 6
Date Data Arrived at EDR: 11/26/2008	Telephone: 214-665-7591
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

INDIAN UST R5: Underground Storage Tanks on Indian Land  
No description is available for this data

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/08/2008	Source: EPA Region 5
Date Data Arrived at EDR: 09/19/2008	Telephone: 312-886-6136
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## INDIAN UST R4: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 06/06/2008	Source: EPA Region 4
Date Data Arrived at EDR: 10/09/2008	Telephone: 404-562-9424
Date Made Active in Reports: 11/19/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 41	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Semi-Annually

## INDIAN UST R1: Underground Storage Tanks on Indian Land

A listing of underground storage tank locations on Indian Land.

Date of Government Version: 03/12/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 03/14/2008	Telephone: 617-918-1313
Date Made Active in Reports: 03/20/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 6	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

## INDIAN UST R8: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 12/01/2008	Source: EPA Region 8
Date Data Arrived at EDR: 12/04/2008	Telephone: 303-312-6137
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 19	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## INDIAN UST R10: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 11/18/2008	Source: EPA Region 10
Date Data Arrived at EDR: 11/19/2008	Telephone: 206-553-2857
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 34	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## INDIAN UST R9: Underground Storage Tanks on Indian Land

No description is available for this data

Date of Government Version: 09/05/2008	Source: EPA Region 9
Date Data Arrived at EDR: 09/19/2008	Telephone: 415-972-3368
Date Made Active in Reports: 10/16/2008	Last EDR Contact: 11/17/2008
Number of Days to Update: 27	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Quarterly

## ***State and tribal institutional control / engineering control registries***

### ENG CONTROLS: Engineering Controls Sites Listing

A listing of sites with Engineering Controls in place. Engineering controls include various forms of caps, building foundations, liners, and treatment methods to create pathway elimination for regulated substances to enter environmental media or effect human health.

Date of Government Version: 10/30/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/31/2008	Telephone: 804-698-4228
Date Made Active in Reports: 12/22/2008	Last EDR Contact: 01/23/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## INST CONTROL: Voluntary Remediation Program Database

Sites included in the Voluntary Remediation Program database that have deed restrictions.

Date of Government Version: 10/30/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/31/2008	Telephone: 804-698-4228
Date Made Active in Reports: 12/22/2008	Last EDR Contact: 01/23/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Quarterly

### **State and tribal voluntary cleanup sites**

#### INDIAN VCP R7: Voluntary Cleanup Priority Listing

A listing of voluntary cleanup priority sites located on Indian Land located in Region 7.

Date of Government Version: 03/20/2008	Source: EPA, Region 7
Date Data Arrived at EDR: 04/22/2008	Telephone: 913-551-7365
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 01/19/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Varies

#### 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: 04/02/2008	Source: EPA, Region 1
Date Data Arrived at EDR: 04/22/2008	Telephone: 617-918-1102
Date Made Active in Reports: 05/19/2008	Last EDR Contact: 01/19/2009
Number of Days to Update: 27	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Varies

#### VRP: Voluntary Remediation Program

The Voluntary Cleanup Program encourages owners of elected contaminated sites to take the initiative and conduct voluntary cleanups that meet state environmental standards.

Date of Government Version: 10/30/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/31/2008	Telephone: 804-698-4228
Date Made Active in Reports: 12/22/2008	Last EDR Contact: 01/23/2009
Number of Days to Update: 52	Next Scheduled EDR Contact: 04/19/2009
	Data Release Frequency: Quarterly

### **State and tribal Brownfields sites**

#### BROWNFIELDS: Brownfields Site Specific Assessments

To qualify for Brownfields Assessment, the site must meet the Federal definition of a Brownfields and should have contaminant issues that need to be addressed and a redevelopment plan supported by the local government and community. Virginia's Department of Environmental Quality performs brownfields assessments under a cooperative agreement with the U.S. Environmental Protection Agency at no cost to communities, property owners or, prospective purchasers. The assessment is an evaluation of environmental impacts caused by previous site uses similar to a Phase II Environmental Assessment.

Date of Government Version: 12/15/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 12/15/2008	Telephone: 804-698-4207
Date Made Active in Reports: 12/22/2008	Last EDR Contact: 12/02/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 02/16/2009
	Data Release Frequency: Varies

### **ADDITIONAL ENVIRONMENTAL RECORDS**

#### **Local Brownfield lists**

US BROWNFIELDS: A Listing of Brownfields Sites

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Included in the listing are brownfields properties addresses by Cooperative Agreement Recipients and brownfields properties addressed by Targeted Brownfields Assessments. Targeted Brownfields Assessments-EPA's Targeted Brownfields Assessments (TBA) program is designed to help states, tribes, and municipalities--especially those without EPA Brownfields Assessment Demonstration Pilots--minimize the uncertainties of contamination often associated with brownfields. Under the TBA program, EPA provides funding and/or technical assistance for environmental assessments at brownfields sites throughout the country. Targeted Brownfields Assessments supplement and work with other efforts under EPA's Brownfields Initiative to promote cleanup and redevelopment of brownfields. Cooperative Agreement Recipients-States, political subdivisions, territories, and Indian tribes become Brownfields Cleanup Revolving Loan Fund (BCRLF) cooperative agreement recipients when they enter into BCRLF cooperative agreements with the U.S. EPA. EPA selects BCRLF cooperative agreement recipients based on a proposal and application process. BCRLF cooperative agreement recipients must use EPA funds provided through BCRLF cooperative agreement for specified brownfields-related cleanup activities.

Date of Government Version: 10/01/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 11/14/2008	Telephone: 202-566-2777
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 01/16/2009
Number of Days to Update: 39	Next Scheduled EDR Contact: 04/13/2009
	Data Release Frequency: Semi-Annually

## **Local Lists of Landfill / Solid Waste Disposal Sites**

### **ODI: Open Dump Inventory**

An open dump is defined as a disposal facility that does not comply with one or more of the Part 257 or Part 258 Subtitle D Criteria.

Date of Government Version: 06/30/1985	Source: Environmental Protection Agency
Date Data Arrived at EDR: 08/09/2004	Telephone: 800-424-9346
Date Made Active in Reports: 09/17/2004	Last EDR Contact: 06/09/2004
Number of Days to Update: 39	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

### **DEBRIS REGION 9: Torres Martinez Reservation Illegal Dump Site Locations**

A listing of illegal dump sites location on the Torres Martinez Indian Reservation located in eastern Riverside County and northern Imperial County, California.

Date of Government Version: 03/25/2008	Source: EPA, Region 9
Date Data Arrived at EDR: 04/17/2008	Telephone: 415-972-3336
Date Made Active in Reports: 05/15/2008	Last EDR Contact: 12/22/2008
Number of Days to Update: 28	Next Scheduled EDR Contact: 03/23/2009
	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	Source: Environmental Protection Agency
Date Data Arrived at EDR: 12/03/2007	Telephone: 703-308-8245
Date Made Active in Reports: 01/24/2008	Last EDR Contact: 11/24/2008
Number of Days to Update: 52	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: Varies

## **Local Lists of Hazardous waste / Contaminated Sites**

### **CDL: Clandestine Drug Labs**

A listing of clandestine drug lab locations. The U.S. Department of Justice ("the Department") provides this web site as a public service. It contains addresses of some locations where law enforcement agencies reported they found chemicals or other items that indicated the presence of either clandestine drug laboratories or dumpsites. In most cases, the source of the entries is not the Department, and the Department has not verified the entry and does not guarantee its accuracy. Members of the public must verify the accuracy of all entries by, for example, contacting local law enforcement and local health departments.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/01/2008  
Date Data Arrived at EDR: 10/31/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 53

Source: Drug Enforcement Administration  
Telephone: 202-307-1000  
Last EDR Contact: 10/31/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

## **Local Land Records**

### **LIENS 2: CERCLA Lien Information**

A Federal CERCLA ('Superfund') lien can exist by operation of law at any site or property at which EPA has spent Superfund monies. These monies are spent to investigate and address releases and threatened releases of contamination. CERCLIS provides information as to the identity of these sites and properties.

Date of Government Version: 08/19/2008  
Date Data Arrived at EDR: 08/29/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 11

Source: Environmental Protection Agency  
Telephone: 202-564-6023  
Last EDR Contact: 11/17/2008  
Next Scheduled EDR Contact: 02/16/2009  
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: 12/08/2008  
Next Scheduled EDR Contact: 03/09/2009  
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: 09/30/2008  
Date Data Arrived at EDR: 10/16/2008  
Date Made Active in Reports: 11/19/2008  
Number of Days to Update: 34

Source: U.S. Department of Transportation  
Telephone: 202-366-4555  
Last EDR Contact: 01/13/2009  
Next Scheduled EDR Contact: 04/13/2009  
Data Release Frequency: Annually

### **SPILLS WC: Prep Database**

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/04/2008  
Date Data Arrived at EDR: 09/24/2008  
Date Made Active in Reports: 09/30/2008  
Number of Days to Update: 6

Source: Department of Environmental Quality, West Central Region  
Telephone: 540-562-6700  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: No Update Planned

### **SPILLS TD: PREP Database**

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 08/27/2008  
Date Data Arrived at EDR: 09/25/2008  
Date Made Active in Reports: 09/30/2008  
Number of Days to Update: 5

Source: Department of Environmental Quality, Tidewater Region  
Telephone: 757-518-2177  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 03/23/2009  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## SPILLS VA: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/23/2008	Source: Department of Environmental Quality, Valley Regional Office
Date Data Arrived at EDR: 09/26/2008	Telephone: 540-574-7800
Date Made Active in Reports: 09/30/2008	Last EDR Contact: 01/05/2009
Number of Days to Update: 4	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Quarterly

## SPILLS: Pollution Complaint Database

Pollution Complaints Database. The pollution reports contained in the PC database include the initial release reporting of Leaking Underground Storage Tanks and all other releases of petroleum to the environment as well as releases to state waters. The database is current through 12/1/93. Since that time, all spill and pollution reporting information has been collected and tracked through the DEQ regional offices.

Date of Government Version: 06/01/1996	Source: Department of Environmental Quality
Date Data Arrived at EDR: 10/22/1996	Telephone: 804-698-4297
Date Made Active in Reports: 11/21/1996	Last EDR Contact: 09/25/1996
Number of Days to Update: 30	Next Scheduled EDR Contact: N/A
	Data Release Frequency: No Update Planned

## SPILLS SW: Reportable Spills

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 12/01/2008	Source: Department of Environmental Quality, Southwest Region
Date Data Arrived at EDR: 12/08/2008	Telephone: 276-676-4839
Date Made Active in Reports: 12/22/2008	Last EDR Contact: 11/03/2008
Number of Days to Update: 14	Next Scheduled EDR Contact: 02/02/2009
	Data Release Frequency: No Update Planned

## SPILLS PD: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 04/25/2002	Source: Department of Environmental Quality, Piedmont Region
Date Data Arrived at EDR: 05/01/2002	Telephone: 804-527-5020
Date Made Active in Reports: 05/31/2002	Last EDR Contact: 11/25/2008
Number of Days to Update: 30	Next Scheduled EDR Contact: 02/23/2009
	Data Release Frequency: Quarterly

## SPILLS NO: PREP Database

The Department of Environmental Quality's POLLUTION RESPONSE PROGRAM, known as PREP, provides for responses to air, water, and waste pollution incidents in order to protect human health and the environment.

Date of Government Version: 09/30/2008	Source: Department of Environmental Quality, Northern Region
Date Data Arrived at EDR: 10/24/2008	Telephone: 703-583-3864
Date Made Active in Reports: 11/06/2008	Last EDR Contact: 12/22/2008
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: No Update Planned

## **Other Ascertainable Records**

### RCRA-NonGen: 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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/10/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Environmental Protection Agency  
Telephone: 800-438-2474  
Last EDR Contact: 01/23/2009  
Next Scheduled EDR Contact: 02/16/2009  
Data Release Frequency: Varies

## DOT OPS: Incident and Accident Data

Department of Transportation, Office of Pipeline Safety Incident and Accident data.

Date of Government Version: 05/14/2008  
Date Data Arrived at EDR: 05/28/2008  
Date Made Active in Reports: 08/08/2008  
Number of Days to Update: 72

Source: Department of Transportation, Office of Pipeline Safety  
Telephone: 202-366-4595  
Last EDR Contact: 11/26/2008  
Next Scheduled EDR Contact: 02/23/2009  
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: 703-692-8801  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
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: 12/31/2007  
Date Data Arrived at EDR: 09/05/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 18

Source: U.S. Army Corps of Engineers  
Telephone: 202-528-4285  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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: 09/15/2008  
Date Data Arrived at EDR: 10/22/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 62

Source: Department of Justice, Consent Decree Library  
Telephone: Varies  
Last EDR Contact: 01/19/2009  
Next Scheduled EDR Contact: 04/19/2009  
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: 10/21/2008  
Date Data Arrived at EDR: 10/29/2008  
Date Made Active in Reports: 12/23/2008  
Number of Days to Update: 55

Source: EPA  
Telephone: 703-416-0223  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 07/13/2007  
Date Data Arrived at EDR: 12/03/2007  
Date Made Active in Reports: 01/24/2008  
Number of Days to Update: 52

Source: Department of Energy  
Telephone: 505-845-0011  
Last EDR Contact: 12/17/2008  
Next Scheduled EDR Contact: 03/16/2009  
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: 08/07/2008  
Date Data Arrived at EDR: 09/23/2008  
Date Made Active in Reports: 10/16/2008  
Number of Days to Update: 23

Source: Department of Labor, Mine Safety and Health Administration  
Telephone: 303-231-5959  
Last EDR Contact: 12/23/2008  
Next Scheduled EDR Contact: 03/23/2009  
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: 12/31/2006  
Date Data Arrived at EDR: 02/29/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 49

Source: EPA  
Telephone: 202-566-0250  
Last EDR Contact: 09/19/2008  
Next Scheduled EDR Contact: 12/15/2008  
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: 12/31/2002  
Date Data Arrived at EDR: 04/14/2006  
Date Made Active in Reports: 05/30/2006  
Number of Days to Update: 46

Source: EPA  
Telephone: 202-260-5521  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
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: 10/08/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: EPA/Office of Prevention, Pesticides and Toxic Substances  
Telephone: 202-566-1667  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
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: 10/08/2008  
Date Data Arrived at EDR: 10/17/2008  
Date Made Active in Reports: 12/08/2008  
Number of Days to Update: 52

Source: EPA  
Telephone: 202-566-1667  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
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.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

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: 12/31/2006  
Date Data Arrived at EDR: 03/14/2008  
Date Made Active in Reports: 04/18/2008  
Number of Days to Update: 35

Source: EPA  
Telephone: 202-564-4203  
Last EDR Contact: 12/04/2008  
Next Scheduled EDR Contact: 01/12/2009  
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: 07/31/2008  
Date Data Arrived at EDR: 08/13/2008  
Date Made Active in Reports: 09/09/2008  
Number of Days to Update: 27

Source: Environmental Protection Agency  
Telephone: 202-564-5088  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 04/13/2009  
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: 12/04/2007  
Date Data Arrived at EDR: 02/07/2008  
Date Made Active in Reports: 03/17/2008  
Number of Days to Update: 39

Source: EPA  
Telephone: 202-566-0500  
Last EDR Contact: 09/18/2008  
Next Scheduled EDR Contact: 11/03/2008  
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: 10/03/2008  
Date Data Arrived at EDR: 10/15/2008  
Date Made Active in Reports: 11/19/2008  
Number of Days to Update: 35

Source: Nuclear Regulatory Commission  
Telephone: 301-415-7169  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Quarterly

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## 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: 10/28/2008	Source: Environmental Protection Agency
Date Data Arrived at EDR: 10/29/2008	Telephone: 202-343-9775
Date Made Active in Reports: 12/08/2008	Last EDR Contact: 10/29/2008
Number of Days to Update: 40	Next Scheduled EDR Contact: 01/26/2009
	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: 10/30/2008	Source: EPA
Date Data Arrived at EDR: 10/31/2008	Telephone: (215) 814-5000
Date Made Active in Reports: 12/23/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 53	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Quarterly

## RAATS: RCRA Administrative Action Tracking System

RCRA Administration Action Tracking System. RAATS contains records based on enforcement actions issued under RCRA pertaining to major violators and includes administrative and civil actions brought by the EPA. For administration actions after September 30, 1995, data entry in the RAATS database was discontinued. EPA will retain a copy of the database for historical records. It was necessary to terminate RAATS because a decrease in agency resources made it impossible to continue to update the information contained in the database.

Date of Government Version: 04/17/1995	Source: EPA
Date Data Arrived at EDR: 07/03/1995	Telephone: 202-564-4104
Date Made Active in Reports: 08/07/1995	Last EDR Contact: 06/02/2008
Number of Days to Update: 35	Next Scheduled EDR Contact: 09/01/2008
	Data Release Frequency: No Update Planned

## 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: 12/31/2005	Source: EPA/NTIS
Date Data Arrived at EDR: 03/06/2007	Telephone: 800-424-9346
Date Made Active in Reports: 04/13/2007	Last EDR Contact: 12/09/2008
Number of Days to Update: 38	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Biennially

## DRYCLEANERS: Drycleaner List

A listing of registered drycleaners.

Date of Government Version: 01/31/2008	Source: Department of Environmental Quality
Date Data Arrived at EDR: 02/01/2008	Telephone: 804-698-4407
Date Made Active in Reports: 02/14/2008	Last EDR Contact: 01/12/2009
Number of Days to Update: 13	Next Scheduled EDR Contact: 03/23/2009
	Data Release Frequency: Varies

## ENFORCEMENT: Enforcement Actions Data

A listing of enforcement actions.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2008  
Date Data Arrived at EDR: 10/02/2008  
Date Made Active in Reports: 11/06/2008  
Number of Days to Update: 35

Source: Department of Environmental Quality  
Telephone: 804-698-4031  
Last EDR Contact: 12/29/2008  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Varies

## CEDS: Comprehensive Environmental Data System

Virginia Water Protection Permits, Virginia Pollution Discharge System (point discharge) permits and Virginia Pollution Abatement (no point discharge) permits.

Date of Government Version: 10/01/2008  
Date Data Arrived at EDR: 10/02/2008  
Date Made Active in Reports: 10/24/2008  
Number of Days to Update: 22

Source: Department of Environmental Quality  
Telephone: 804-698-4077  
Last EDR Contact: 01/12/2009  
Next Scheduled EDR Contact: 03/30/2009  
Data Release Frequency: Semi-Annually

## AIRS: Permitted Airs Facility List

A listing of permitted Airs facilities.

Date of Government Version: 10/06/2008  
Date Data Arrived at EDR: 10/07/2008  
Date Made Active in Reports: 10/24/2008  
Number of Days to Update: 17

Source: Department of Environmental Quality  
Telephone: 804-698-4000  
Last EDR Contact: 12/22/2008  
Next Scheduled EDR Contact: 03/23/2009  
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: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
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: 09/08/2008  
Date Data Arrived at EDR: 09/10/2008  
Date Made Active in Reports: 09/23/2008  
Number of Days to Update: 13

Source: Environmental Protection Agency  
Telephone: 615-532-8599  
Last EDR Contact: 12/08/2008  
Next Scheduled EDR Contact: 02/09/2009  
Data Release Frequency: Varies

## FEDLAND: Federal and Indian Lands

Federally and Indian administrated lands of the United States. Lands included are administrated by: Army Corps of Engineers, Bureau of Reclamation, National Wild and Scenic River, National Wildlife Refuge, Public Domain Land, Wilderness, Wilderness Study Area, Wildlife Management Area, Bureau of Indian Affairs, Bureau of Land Management, Department of Justice, Forest Service, Fish and Wildlife Service, National Park Service.

Date of Government Version: 12/31/2005  
Date Data Arrived at EDR: 02/06/2006  
Date Made Active in Reports: 01/11/2007  
Number of Days to Update: 339

Source: U.S. Geological Survey  
Telephone: 888-275-8747  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
Data Release Frequency: N/A

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

## PWS: Public Water System Data

This Safe Drinking Water Information System (SDWIS) file contains public water systems name and address, population served and the primary source of water

Date of Government Version: 02/24/2000	Source: EPA
Date Data Arrived at EDR: 04/27/2005	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: 12/29/2008
Number of Days to Update: 0	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: N/A

## PRP: Potentially Responsible Parties

A listing of verified Potentially Responsible Parties

Date of Government Version: 07/09/2008	Source: EPA
Date Data Arrived at EDR: 09/30/2008	Telephone: 202-564-6064
Date Made Active in Reports: 10/07/2008	Last EDR Contact: 12/29/2008
Number of Days to Update: 7	Next Scheduled EDR Contact: 03/30/2009
	Data Release Frequency: Quarterly

## EDR PROPRIETARY RECORDS

### *EDR Proprietary Records*

#### Manufactured Gas Plants: 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	Source: EDR, Inc.
Date Data Arrived at EDR: N/A	Telephone: N/A
Date Made Active in Reports: N/A	Last EDR Contact: N/A
Number of Days to Update: 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: 12/31/2005	Source: Department of Environmental Protection
Date Data Arrived at EDR: 06/15/2007	Telephone: 860-424-3375
Date Made Active in Reports: 08/20/2007	Last EDR Contact: 12/11/2008
Number of Days to Update: 66	Next Scheduled EDR Contact: 03/09/2009
	Data Release Frequency: Annually

#### NJ MANIFEST: Manifest Information

Hazardous waste manifest information.

# GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

Date of Government Version: 09/30/2007  
Date Data Arrived at EDR: 12/04/2007  
Date Made Active in Reports: 12/31/2007  
Number of Days to Update: 27

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 11/07/2008  
Next Scheduled EDR Contact: 02/02/2009  
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: 10/21/2008  
Date Data Arrived at EDR: 11/26/2008  
Date Made Active in Reports: 12/11/2008  
Number of Days to Update: 15

Source: Department of Environmental Conservation  
Telephone: 518-402-8651  
Last EDR Contact: 11/26/2008  
Next Scheduled EDR Contact: 02/23/2009  
Data Release Frequency: Annually

## PA MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 09/11/2008  
Date Made Active in Reports: 10/02/2008  
Number of Days to Update: 21

Source: Department of Environmental Protection  
Telephone: N/A  
Last EDR Contact: 12/08/2008  
Next Scheduled EDR Contact: 03/09/2009  
Data Release Frequency: Annually

## RI MANIFEST: Manifest information

Hazardous waste manifest information

Date of Government Version: 10/07/2008  
Date Data Arrived at EDR: 10/10/2008  
Date Made Active in Reports: 10/28/2008  
Number of Days to Update: 18

Source: Department of Environmental Management  
Telephone: 401-222-2797  
Last EDR Contact: 12/15/2008  
Next Scheduled EDR Contact: 03/16/2009  
Data Release Frequency: Annually

## WI MANIFEST: Manifest Information

Hazardous waste manifest information.

Date of Government Version: 12/31/2007  
Date Data Arrived at EDR: 08/22/2008  
Date Made Active in Reports: 09/08/2008  
Number of Days to Update: 17

Source: Department of Natural Resources  
Telephone: N/A  
Last EDR Contact: 01/05/2009  
Next Scheduled EDR Contact: 04/06/2009  
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: PennWell Corporation  
Telephone: (800) 823-6277

This map includes information copyrighted by PennWell Corporation. This information is provided on a best effort basis and PennWell Corporation does not guarantee its accuracy nor warrant its fitness for any particular purpose. Such information has been reprinted with the permission of PennWell.

Sensitive Receptors: There are individuals deemed sensitive receptors due to their fragile immune systems and special sensitivity to environmental discharges. These sensitive receptors typically include the elderly, the sick, and children. While the location of all sensitive receptors cannot be determined, EDR indicates those buildings and facilities - schools, daycares, hospitals, medical centers, and nursing homes - where individuals who are sensitive receptors are likely to be located.

## AHA Hospitals:

Source: American Hospital Association, Inc.  
Telephone: 312-280-5991

The database includes a listing of hospitals based on the American Hospital Association's annual survey of hospitals.

## GOVERNMENT RECORDS SEARCHED / DATA CURRENCY TRACKING

### Medical Centers: Provider of Services Listing

Source: Centers for Medicare & Medicaid Services

Telephone: 410-786-3000

A listing of hospitals with Medicare provider number, produced by Centers of Medicare & Medicaid Services, a federal agency within the U.S. Department of Health and Human Services.

### Nursing Homes

Source: National Institutes of Health

Telephone: 301-594-6248

Information on Medicare and Medicaid certified nursing homes in the United States.

### Public Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on elementary and secondary public education in the United States. It is a comprehensive, annual, national statistical database of all public elementary and secondary schools and school districts, which contains data that are comparable across all states.

### Private Schools

Source: National Center for Education Statistics

Telephone: 202-502-7300

The National Center for Education Statistics' primary database on private school locations in the United States.

### Daycare Centers: Licensed Facilities

Source: Department of Social Services

Telephone: 804-692-1900

**Flood Zone Data:** This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

**NWI:** National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

### Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs

Telephone: 804-786-1756

### **STREET AND ADDRESS INFORMATION**

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## GEOCHECK<sup>®</sup> - PHYSICAL SETTING SOURCE ADDENDUM

### TARGET PROPERTY ADDRESS

KENTUCK ROAD PHASE IIS  
9312 KENTUCK CHURCH ROAD  
DANVILLE, VA 24540

### TARGET PROPERTY COORDINATES

Latitude (North):	36.65780 - 36° 39' 28.1"
Longitude (West):	79.2981 - 79° 17' 53.2"
Universal Tranverse Mercator:	Zone 17
UTM X (Meters):	652114.4
UTM Y (Meters):	4058058.8
Elevation:	732 ft. above sea level

### USGS TOPOGRAPHIC MAP

Target Property Map:	36079-F3 BLAIRS, VA
Most Recent Revision:	1990

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 principle investigative components:

1. Groundwater flow direction, and
2. Groundwater flow velocity.

Groundwater flow direction may be impacted by surface topography, hydrology, hydrogeology, characteristics of the soil, and nearby wells. Groundwater flow velocity is generally impacted by the nature of the geologic strata.

# 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).

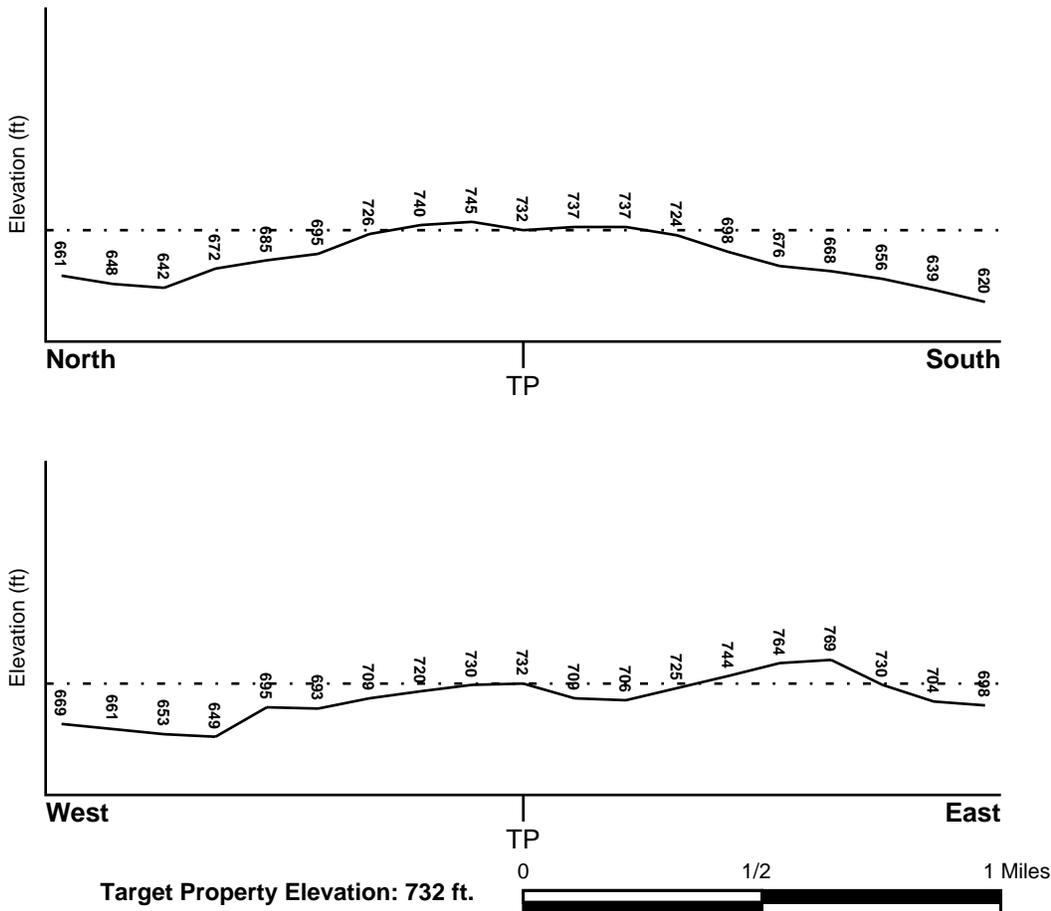
## TOPOGRAPHIC INFORMATION

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 South

## SURROUNDING TOPOGRAPHY: ELEVATION PROFILES



Source: Topography has been determined from the USGS 7.5' Digital Elevation Model and should be evaluated on a relative (not an absolute) basis. Relative elevation information between sites of close proximity should be field verified.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## HYDROLOGIC INFORMATION

Surface water can act as a hydrologic barrier to groundwater flow. Such hydrologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

Refer to the Physical Setting Source Map following this summary for hydrologic information (major waterways and bodies of water).

## FEMA FLOOD ZONE

<u>Target Property County</u> PITTSYLVANIA, VA	<u>FEMA Flood Electronic Data</u> YES - refer to the Overview Map and Detail Map
Flood Plain Panel at Target Property:	5101130300B
Additional Panels in search area:	5101130270B

## NATIONAL WETLAND INVENTORY

<u>NWI Quad at Target Property</u> BLAIRS	<u>NWI Electronic Data Coverage</u> YES - refer to the Overview Map and Detail Map
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## HYDROGEOLOGIC INFORMATION

Hydrogeologic information obtained by installation of wells on a specific site can often be an indicator of groundwater flow direction in the immediate area. Such hydrogeologic information can be used to assist the environmental professional in forming an opinion about the impact of nearby contaminated properties or, should contamination exist on the target property, what downgradient sites might be impacted.

### *Site-Specific Hydrogeological Data\*:*

Search Radius:	1.25 miles
Status:	Not found

## AQUIFLOW®

Search Radius: 1.000 Mile.

EDR has developed the AQUIFLOW Information System to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted by environmental professionals to regulatory authorities at select sites and has extracted the date of the report, groundwater flow direction as determined hydrogeologically, and the depth to water table.

<u>MAP ID</u>	<u>LOCATION FROM TP</u>	<u>GENERAL DIRECTION GROUNDWATER FLOW</u>
Not Reported		

## 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**

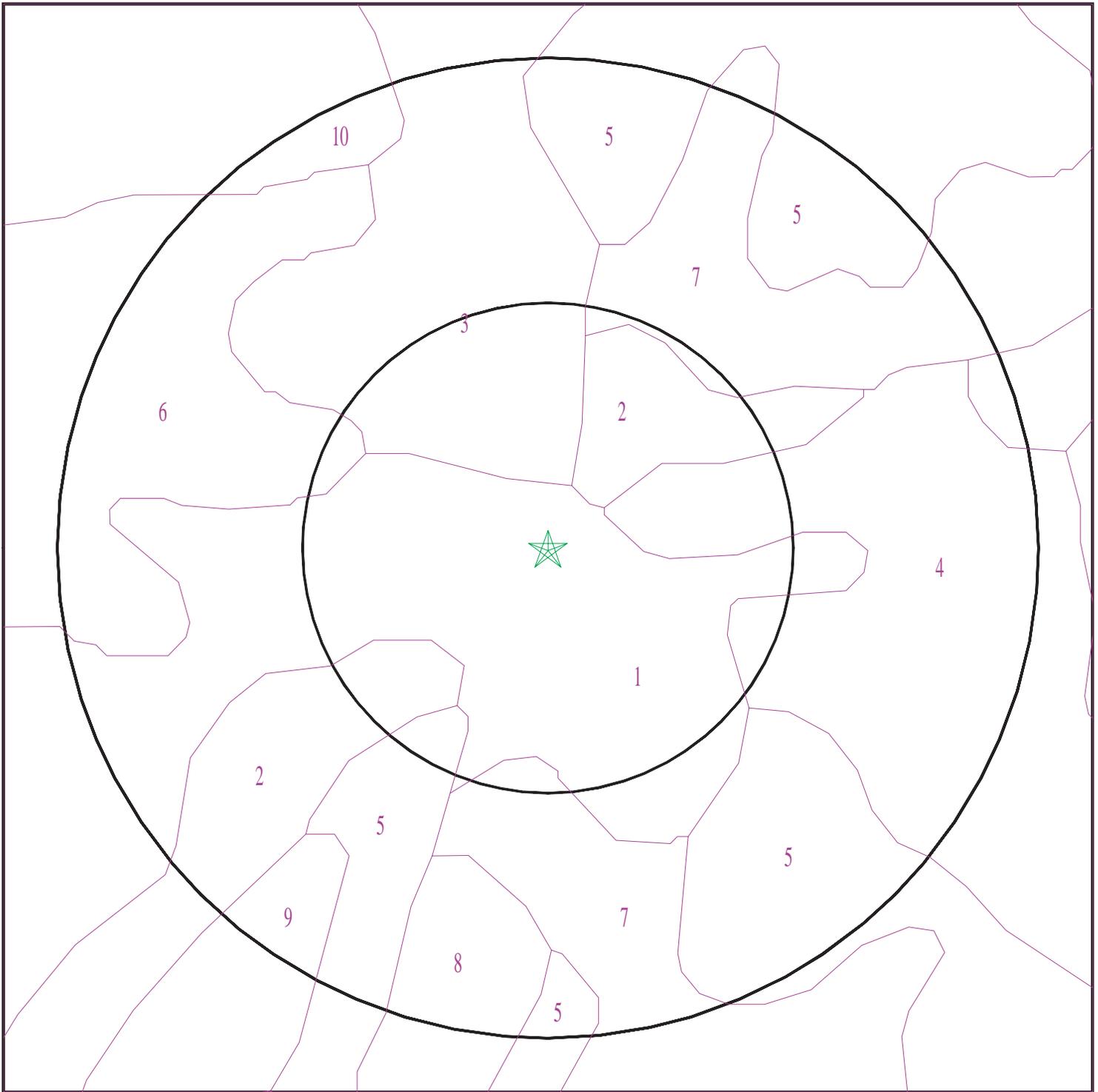
Era: Paleozoic  
System: Pennsylvanian  
Series: Felsic paragneiss and schist  
Code: mm1 (*decoded above as Era, System & Series*)

#### **GEOLOGIC AGE IDENTIFICATION**

Category: Metamorphic Rocks

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).

# SSURGO SOIL MAP - 2407385.1s



- ★ Target Property
- SSURGO Soil
- Water



SITE NAME: Kentuck Road Phase IIs  
ADDRESS: 9312 Kentuck Church Road  
Danville VA 24540  
LAT/LONG: 36.6578 / 79.2981

CLIENT: EEE Consulting  
CONTACT: Ryan Day  
INQUIRY #: 2407385.1s  
DATE: January 26, 2009 10:40 am

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## 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. The following information is based on Soil Conservation Service SSURGO data.

### Soil Map ID: 1

Soil Component Name: Cecil

Soil Surface Texture: clay

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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	7 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	59 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5
3	0 inches	7 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

### Soil Map ID: 2

Soil Component Name: Cecil

Soil Surface Texture: sandy clay 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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy 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%), silt.	Max: 42 Min: 4	Max: 5 Min: 4.5
2	7 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5 Min: 4.5
3	59 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5 Min: 4.5

### Soil Map ID: 3

Soil Component Name: Cecil

Soil Surface Texture: 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

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	59 inches	64 inches	loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
2	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5
3	7 inches	59 inches	clay	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 14 Min: 4	Max: 5.5 Min: 4.5

### Soil Map ID: 4

Soil Component Name: Rion

Soil Surface Texture: fine 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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	9 inches	fine sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5
2	9 inches	35 inches	clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5
3	35 inches	64 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Silty Soils.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand. COARSE-GRAINED SOILS, Sands, Sands with fines, Silty Sand.	Max: 42 Min: 14	Max: 6.5 Min: 4.5

### Soil Map ID: 5

Soil Component Name: Appling

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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 5.5 Min: 4.5
2	7 inches	33 inches	clay	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: 14 Min: 4	Max: 5.5 Min: 4.5
3	33 inches	64 inches	sandy clay 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: 14 Min: 4	Max: 5.5 Min: 4.5

### Soil Map ID: 6

Soil Component Name: Cecil

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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5 Min: 4.5
2	7 inches	59 inches	clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5 Min: 4.5
3	59 inches	64 inches	loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	FINE-GRAINED SOILS, Silts and Clays (liquid limit less than 50%), silt.	Max: 42 Min: 4	Max: 5 Min: 4.5

### Soil Map ID: 7

Soil Component Name: Appling

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

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Moderate

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	7 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: 14 Min: 4	Max: 5.5 Min: 4.5
2	7 inches	33 inches	clay	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: 14 Min: 4	Max: 5.5 Min: 4.5
3	33 inches	64 inches	sandy clay 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: 14 Min: 4	Max: 5.5 Min: 4.5

### Soil Map ID: 8

Soil Component Name: Mattaponi

Soil Surface Texture: sandy clay loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 137 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	40 inches	98 inches	sandy clay loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
2	0 inches	7 inches	sandy loam	Silt-Clay Materials (more than 35 pct. passing No. 200), Clayey Soils.	FINE-GRAINED SOILS, Silts and Clays (liquid limit 50% or more), Fat Clay.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
3	7 inches	40 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), Fat Clay.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5

### Soil Map ID: 9

Soil Component Name: Helena

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class: Moderately well drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: High

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 61 inches

## GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	0 inches	14 inches	sandy loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
2	18 inches	37 inches	clay	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
3	14 inches	18 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5
4	37 inches	64 inches	sandy clay loam	Granular materials (35 pct. or less passing No. 200), Silty, or Clayey Gravel and Sand.	COARSE-GRAINED SOILS, Sands, Sands with fines, Clayey sand.	Max: 4 Min: 1.4	Max: 5.5 Min: 4.5

### Soil Map ID: 10

Soil Component Name: Udorthents

Soil Surface Texture: sandy loam

Hydrologic Group: Class C - Slow infiltration rates. Soils with layers impeding downward movement of water, or soils with moderately fine or fine textures.

Soil Drainage Class:  
Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Not Reported

Depth to Bedrock Min: > 0 inches

Depth to Watertable Min: > 0 inches

No Layer Information available.

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

**Soil Map ID: 11**

Soil Component Name: Ashlar

Soil Surface Texture: bedrock

Hydrologic Group: Class B - Moderate infiltration rates. Deep and moderately deep, moderately well and well drained soils with moderately coarse textures.

Soil Drainage Class: Excessively drained

Hydric Status: Not hydric

Corrosion Potential - Uncoated Steel: Low

Depth to Bedrock Min: > 76 inches

Depth to Watertable Min: > 0 inches

Soil Layer Information							
Layer	Boundary		Soil Texture Class	Classification		Saturated hydraulic conductivity micro m/sec	Soil Reaction (pH)
	Upper	Lower		AASHTO Group	Unified Soil		
1	22 inches	29 inches	bedrock	Not reported	Not reported	Max: 0.06 Min: 0.0015	Max: 5 Min: 4.5
2	16 inches	22 inches	fine sandy loam	Not reported	Not reported	Max: 0.06 Min: 0.0015	Max: 5 Min: 4.5
3	0 inches	16 inches	fine sandy loam	Not reported	Not reported	Max: 0.06 Min: 0.0015	Max: 5 Min: 4.5
4	29 inches	39 inches	bedrock	Not reported	Not reported	Max: 0.06 Min: 0.0015	Max: 5 Min: 4.5

**LOCAL / REGIONAL WATER AGENCY RECORDS**

EDR Local/Regional Water Agency records provide water well information to assist the environmental professional in assessing sources that may impact ground water flow direction, and in forming an opinion about the impact of contaminant migration on nearby drinking water wells.

**WELL SEARCH DISTANCE INFORMATION**

<u>DATABASE</u>	<u>SEARCH DISTANCE (miles)</u>
Federal USGS	1.000
Federal FRDS PWS	Nearest PWS within 1 mile
State Database	1.000

# GEOCHECK® - PHYSICAL SETTING SOURCE SUMMARY

## FEDERAL USGS WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
No Wells Found		

## FEDERAL FRDS PUBLIC WATER SUPPLY SYSTEM INFORMATION

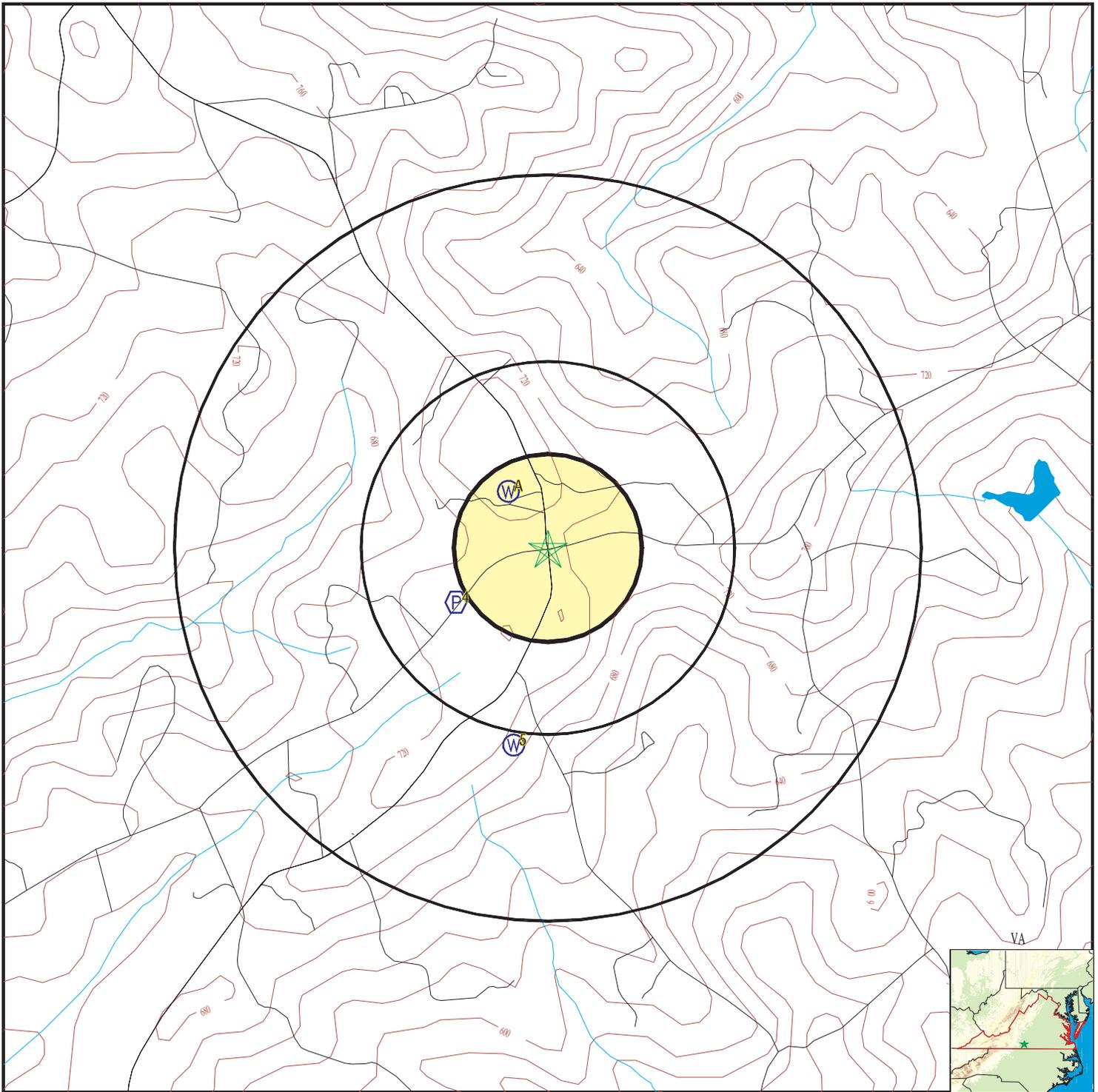
<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
4	VA5143300	1/4 - 1/2 Mile WSW

Note: PWS System location is not always the same as well location.

## STATE DATABASE WELL INFORMATION

<u>MAP ID</u>	<u>WELL ID</u>	<u>LOCATION FROM TP</u>
A1	VA2000000000232	1/8 - 1/4 Mile NW
A2	VA2000000000233	1/8 - 1/4 Mile NW
A3	VA2000000000231	1/8 - 1/4 Mile NW
5	VA2000000000218	1/2 - 1 Mile South

# PHYSICAL SETTING SOURCE MAP - 2407385.1s



-  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
-  Closest Hydrogeological Data



SITE NAME: Kentuck Road Phase IIs  
 ADDRESS: 9312 Kentuck Church Road  
 Danville VA 24540  
 LAT/LONG: 36.6578 / 79.2981

CLIENT: EEE Consulting  
 CONTACT: Ryan Day  
 INQUIRY #: 2407385.1s  
 DATE: January 26, 2009 10:40 am

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

**A1**  
**NW**  
**1/8 - 1/4 Mile**  
**Higher**

**VA WELLS      VA2000000000232**

Tinwsf is :	2653356		
Pwsid:	5143300		
External s:	3767		
Sysname:	KENTUCK ELEMENTARY SCHOOL	Name:	DRILLED WELL
Cnycty:	PITTSYLVANIA	Type code:	WL
D fed prim:	GW	D pws fed :	NTNC
Lat long r:	NAD 83		
Latitude d:	36.66		
Longitude :	-79.3		
D populati:	562		
Total dsgn:	0		
Avg daily :	1300		
Site id:	VA2000000000232		

**A2**  
**NW**  
**1/8 - 1/4 Mile**  
**Higher**

**VA WELLS      VA2000000000233**

Tinwsf is :	2665872		
Pwsid:	5143813		
External s:	17194		
Sysname:	CORNER CAFE	Name:	WELL
Cnycty:	PITTSYLVANIA	Type code:	WL
D fed prim:	GW	D pws fed :	NC
Lat long r:	NAD 83		
Latitude d:	36.66		
Longitude :	-79.3		
D populati:	100		
Total dsgn:	0		
Avg daily :	0		
Site id:	VA2000000000233		

**A3**  
**NW**  
**1/8 - 1/4 Mile**  
**Higher**

**VA WELLS      VA2000000000231**

Tinwsf is :	2653238		
Pwsid:	5143161		
External s:	3733		
Sysname:	DAN RIVER HIGH SCHOOL	Name:	DRILLED WELL #1
Cnycty:	PITTSYLVANIA	Type code:	WL
D fed prim:	GW	D pws fed :	NTNC
Lat long r:	NAD 83		
Latitude d:	36.66		
Longitude :	-79.3		
D populati:	670		

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Total dsgn: 0  
 Avg daily : 5600  
 Site id: VA2000000000231

**4**  
**WSW**  
**1/4 - 1/2 Mile**  
**Higher**

FRDS PWS VA5143300

PWS ID: VA5143300 PWS Status: Active  
 Date Initiated: 6309 Date Deactivated: Not Reported  
 PWS Name: KENTWCK EL ROBERT FOWLKES PR  
 ROUTE 2 BOX 1136  
 RINGGOLD, VA 24586

Addressee / Facility: System Owner/Responsible Party  
 RINGGOLD, VA

Facility Latitude: 36 39 20 Facility Longitude: 079 18 10  
 City Served: PITTSYLVANIA  
 Treatment Class: Untreated Population: 00000550

Violations information not reported.

**ENFORCEMENT INFORMATION:**

Truedate: 03/31/2008 Pwsid: VA5143300  
 Pwsname: KENTUCK ELEMENTARY SCHOOL  
 Retpopsrvd: 562 Pwstypecod: NTNC  
 Vioi d: 5302602 Contaminant: LEAD & COPPER RULE  
 Viol. Type: Follow-up and Routine Tap Sampling  
 Complperbe: 10/1/2001 0:00:00  
 Complperen: 9/23/2004 0:00:00 Enfdate: 1/15/2002 0:00:00  
 Enf action: Not Reported  
 Violmeasur: Not Reported

Truedate: 03/31/2008 Pwsid: VA5143300  
 Pwsname: KENTUCK ELEMENTARY SCHOOL  
 Retpopsrvd: 562 Pwstypecod: NTNC  
 Vioi d: 5302602 Contaminant: LEAD & COPPER RULE  
 Viol. Type: Follow-up and Routine Tap Sampling  
 Complperbe: 10/1/2001 0:00:00  
 Complperen: 9/23/2004 0:00:00 Enfdate: 9/23/2004 0:00:00  
 Enf action: Not Reported  
 Violmeasur: Not Reported

Truedate: 03/31/2008 Pwsid: VA5143300  
 Pwsname: KENTUCK ELEMENTARY SCHOOL  
 Retpopsrvd: 562 Pwstypecod: NTNC  
 Vioi d: 5302602 Contaminant: LEAD & COPPER RULE  
 Viol. Type: Follow-up and Routine Tap Sampling  
 Complperbe: 10/1/2001 0:00:00  
 Complperen: 9/23/2004 0:00:00 Enfdate: 4/11/2002 0:00:00  
 Enf action: Not Reported  
 Violmeasur: Not Reported

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Truedate:	03/31/2008	Pwsid:	VA5143300
Pwsname:	KENTUCK ELEMENTARY SCHOOL		
Retpopsrvd:	562	Pwstypcod:	NTNC
Vooid:	5302602	Contaminant:	LEAD & COPPER RULE
Viol. Type:	Follow-up and Routine Tap Sampling		
Complperbe:	10/1/2001 0:00:00		
Complperen:	9/23/2004 0:00:00	Enfdate:	1/15/2002 0:00:00
Enf action:	Not Reported		
Violmeasur:	Not Reported		
System Name:	KENTUCK ELEMENTRY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1999-01-01 - 2015-12-31		
Violation ID:	0253026		
Enforcement Date:	2002-01-15	Enf. Action:	State Public Notif Requested
System Name:	KENTUCK ELEMENTRY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1999-01-01 - 2015-12-31		
Violation ID:	0253026		
Enforcement Date:	2002-01-15	Enf. Action:	State Formal NOV Issued
System Name:	KENTUCK ELEMENTRY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	1999-01-01 - 2015-12-31		
Violation ID:	0253026		
Enforcement Date:	2002-04-11	Enf. Action:	State Public Notif Received
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	9/23/2004 0:00:00	Enf. Action:	State Compliance Achieved
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	4/11/2002 0:00:00	Enf. Action:	State Public Notif Received
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	9/23/2004 0:00:00	Enf. Action:	State Compliance Achieved
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	1/15/2002 0:00:00	Enf. Action:	State Formal NOV Issued

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

### ENFORCEMENT INFORMATION:

System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	1/15/2002 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	4/11/2002 0:00:00	Enf. Action:	State Public Notif Received
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	1/15/2002 0:00:00	Enf. Action:	State Public Notif Requested
System Name:	KENTUCK ELEMENTARY SCHOOL		
Violation Type:	Follow-up and Routine Tap Sampling		
Contaminant:	LEAD & COPPER RULE		
Compliance Period:	10/1/2001 0:00:00 - 9/23/2004 0:00:00		
Violation ID:	5302602		
Enforcement Date:	1/15/2002 0:00:00	Enf. Action:	State Formal NOV Issued
System Name:	KENTWCK EL ROBERT FOWLKES		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-05-01 - 1995-05-31		
Violation ID:	9553024		
Enforcement Date:	1995-06-19	Enf. Action:	State Public Notif Requested
System Name:	KENTWCK EL ROBERT FOWLKES		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-05-01 - 1995-05-31		
Violation ID:	9553024		
Enforcement Date:	1995-06-19	Enf. Action:	State Formal NOV Issued
System Name:	KENTWCK EL ROBERT FOWLKES		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-05-01 - 1995-05-31		
Violation ID:	9553024		
Enforcement Date:	1995-06-23	Enf. Action:	State Public Notif Received
System Name:	KENTWCK EL ROBERT FOWLKES		
Violation Type:	MCL, Acute (TCR)		
Contaminant:	COLIFORM (TCR)		
Compliance Period:	1995-05-01 - 1995-05-31		
Violation ID:	9553024		
Enforcement Date:	1995-11-30	Enf. Action:	EPA Generated Implicit TCR RTC

### CONTACT INFORMATION:

Name:	KENTUCK ELEMENTARY SCHOOL	Population:	562
Contact:	HUTSON, MIKE	Phone:	434-793-1624
Address:	39 BANK STREET		
Address 2:	P O BOX 232		
	CHATHAM, VA 24531		

## GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS

Map ID  
 Direction  
 Distance  
 Elevation

Database      EDR ID Number

---

<b>5</b>		<b>VA WELLS</b>	<b>VA2000000000218</b>
<b>South</b>			
<b>1/2 - 1 Mile</b>			
<b>Lower</b>			

Tinwsf is :	2677498			
Pwsid:	5143192			
External s:	29392			
Sysname:	DAN RIVER MIDDLE SCHOOL	Name:	WELL A	
Cnycty:	PITTSYLVANIA	Type code:	WL	
D fed prim:	GW	D pws fed :	NTNC	
Lat long r:	NAD 27			
Latitude d:	36.65			
Longitude :	-79.3			
D populati:	550			
Total dsgn:	24480			
Avg daily :	0			
Site id:	VA2000000000218			

# GEOCHECK® - PHYSICAL SETTING SOURCE MAP FINDINGS RADON

## AREA RADON INFORMATION

EPA Region 3 Statistical Summary Readings for Zip Code: 24540

Number of sites tested: 120.

Maximum Radon Level: 45.0 pCi/L.

Minimum Radon Level: 0.4 pCi/L.

pCi/L <4	pCi/L 4-10	pCi/L 10-20	pCi/L 20-50	pCi/L 50-100	pCi/L >100
80 (66.67%)	30 (25.00%)	8 (6.67%)	2 (1.67%)	0 (0.00%)	0 (0.00%)

---

Federal EPA Radon Zone for PITTSYLVANIA County: 1

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

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

## TOPOGRAPHIC INFORMATION

### USGS 7.5' Digital Elevation Model (DEM)

Source: United States Geologic Survey

EDR acquired the USGS 7.5' Digital Elevation Model in 2002 and updated it in 2006. The 7.5 minute DEM corresponds to the USGS 1:24,000- and 1:25,000-scale topographic quadrangle maps. The DEM provides elevation data with consistent elevation units and projection.

## HYDROLOGIC INFORMATION

Flood Zone Data: This data, available in select counties across the country, was obtained by EDR in 1999 from the Federal Emergency Management Agency (FEMA). Data depicts 100-year and 500-year flood zones as defined by FEMA.

NWI: National Wetlands Inventory. This data, available in select counties across the country, was obtained by EDR in 2002 and 2005 from the U.S. Fish and Wildlife Service.

## HYDROGEOLOGIC INFORMATION

### AQUIFLOW<sup>R</sup> Information System

Source: EDR proprietary database of groundwater flow information

EDR has developed the AQUIFLOW Information System (AIS) to provide data on the general direction of groundwater flow at specific points. EDR has reviewed reports submitted to regulatory authorities at select sites and has extracted the date of the report, hydrogeologically determined groundwater flow direction and depth to water table information.

## GEOLOGIC INFORMATION

### Geologic Age and Rock Stratigraphic Unit

Source: P.G. Schruben, R.E. Arndt and W.J. Bawiec, Geology of the Conterminous U.S. at 1:2,500,000 Scale - A digital representation of the 1974 P.B. King and H.M. Beikman Map, USGS Digital Data Series DDS - 11 (1994).

### STATSGO: State Soil Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services

The U.S. Department of Agriculture's (USDA) Natural Resources Conservation Service (NRCS) leads the national Conservation Soil Survey (NCSS) and is responsible for collecting, storing, maintaining and distributing soil survey information for privately owned lands in the United States. A soil map in a soil survey is a representation of soil patterns in a landscape. Soil maps for STATSGO are compiled by generalizing more detailed (SSURGO) soil survey maps.

### SSURGO: Soil Survey Geographic Database

Source: Department of Agriculture, Natural Resources Conservation Services (NRCS)

Telephone: 800-672-5559

SSURGO is the most detailed level of mapping done by the Natural Resources Conservation Services, mapping scales generally range from 1:12,000 to 1:63,360. Field mapping methods using national standards are used to construct the soil maps in the Soil Survey Geographic (SSURGO) database. SSURGO digitizing duplicates the original soil survey maps. This level of mapping is designed for use by landowners, townships and county natural resource planning and management.

## 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.

# PHYSICAL SETTING SOURCE RECORDS SEARCHED

PWS ENF: Public Water Systems Violation and Enforcement Data

Source: EPA/Office of Drinking Water

Telephone: 202-564-3750

Violation and Enforcement data for Public Water Systems from the Safe Drinking Water Information System (SDWIS) after August 1995. Prior to August 1995, the data came from the Federal Reporting Data System (FRDS).

USGS Water Wells: USGS National Water Inventory System (NWIS)

This database contains descriptive information on sites where the USGS collects or has collected data on surface water and/or groundwater. The groundwater data includes information on wells, springs, and other sources of groundwater.

## STATE RECORDS

Virginia Public Water Supplies

Source: Department of Health, Office of Water Programs

Telephone: 804-786-1756

## OTHER STATE DATABASE INFORMATION

### RADON

Area Radon Information

Source: USGS

Telephone: 703-356-4020

The National Radon Database has been developed by the U.S. Environmental Protection Agency (USEPA) and is a compilation of the EPA/State Residential Radon Survey and the National Residential Radon Survey. The study covers the years 1986 - 1992. Where necessary data has been supplemented by information collected at private sources such as universities and research institutions.

EPA Radon Zones

Source: EPA

Telephone: 703-356-4020

Sections 307 & 309 of IRAA directed EPA to list and identify areas of U.S. with the potential for elevated indoor radon levels.

EPA Region 3 Statistical Summary Readings

Source: Region 3 EPA

Telephone: 215-814-2082

Radon readings for Delaware, D.C., Maryland, Pennsylvania, Virginia and West Virginia.

### OTHER

Airport Landing Facilities: Private and public use landing facilities

Source: Federal Aviation Administration, 800-457-6656

Epicenters: World earthquake epicenters, Richter 5 or greater

Source: Department of Commerce, National Oceanic and Atmospheric Administration

## STREET AND ADDRESS INFORMATION

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## **Appendix B**

### **Miss Utility Ticket for Underground Utility Locations**

Thank you for calling "Miss Utility of Virginia"! This is an automatically generated response from the utilities who received your notice of excavation. If you have questions about the response, call the "field contact" for that utility. For your safety, please respect and protect the marks, excavate carefully around the marked utility lines and call the Miss Utility center if you see clear evidence of unmarked utilities.

811 - Remember, you can now reach Miss Utility by dialing our 3 digit toll free number - 811.

Ticket : A904800618 Rev: 00A Taken: 02/17/09 09:42 AM

State: VA Cnty: PITTSYLVANIA Place: DAN RIVER  
Address : KENTUCK CHURCH RD  
Responses due by: 02/20/09 07:00 AM Expires: 03/11/09 07:00 AM

Marking Code	Description	Response
DNV	DANVILLE CITY - ELECTRIC (CIDS47) No Conflict, utility is outside of stated work area Field Contact: ANY ELECTRIC ENG TECH (434)799-5268 In the event of damage to a facility call: (434)799-5255	02/23/09 06:07 PM 30
CMC	COMCAST (CMC149) No Conflict, utility is outside of stated work area Field Contact: CONSOLIDATED (866)808-0099 In the event of damage to a facility call: (866)350-4084	02/23/09 06:07 PM 30
VZN	VERIZON (VZN234) Marked Field Contact: CONSOLIDATED (866)808-0099 In the event of damage to a facility call: (877)562-2253	02/23/09 06:07 PM 10

## **Appendix C**

### **Boring Logs**

## EEE Consulting Boring Log

<b>Site: Keen Property Phase II Investigation</b>			<b>Boring:</b> B-1	<b>Date:</b> 2/25/2009
			<b>By:</b> RD	<b>Drilling Method:</b> Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:	
0-4		1.0	0 - 0.5-ft. Topsoil. 0.5 - 4-ft. - Red micaceous silty clay, moist, no petroleum odor.	
4-8		0.0	4 - 5-ft. - Same as 0.5 - 4-ft. 5 - 8-ft. - White yellow sandy silt, moist, no odor.	
8-12	Yes	0.0	8 - 10-ft. - White yellow sandy silt. 10 - 12-ft. - Olive brown micaceous silt with sand, moist, no petroleum odor.	
12-16		0.0	Grey olive brown silt, heavily bedded, with sand and sandstone fragments, moist, no petroleum odor.	
16-20			Same as above. Terminate borehole at 20-ft. bgs. Wet at 17.5-ft. bgs.	
<b>Notes:</b>				

## EEE Consulting Boring Log

Site: Keen Property Phase II Investigation		Boring: B-2	Date: 2/25/2009
		By: RD	Drilling Method: Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:
0-4		1.1	0 - 0.5-ft. Topsoil. 0.5 - 4-ft. - Red micaceous silty clay, moist, no petroleum odor.
4-8		1.0	4 - 7-ft. - Light yellow brown silty clay. 7 - 8-ft. - Olive yellow and brown bedded silty clay, moist no odor.
8-12		5.2	Brown to olive brown silt with sand and sandstone fragments, moist, no odor.
12-16	Yes	2.3	12 - 13.5-ft. - Light yellow to white sand with large quartz fragments. 13.5 - 15-ft. - Dark grey olive silty sand, moist, no petroleum odor. Refusal at 15-ft. bgs.
16-20			
<b>Notes:</b>			

## EEE Consulting Boring Log

<b>Site: Keen Property Phase II Investigation</b>			<b>Boring:</b> B-3	<b>Date:</b> 2/25/2009
			<b>By:</b> RD	<b>Drilling Method:</b> Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:	
0-4		1.1	0 - 0.5-ft. Topsoil. 0.5 - 4-ft. - Brown silty organics, moist, no petroleum odor.	
4-8	Yes	1668.0	Dark grey silt, moist, strong petroleum odor. Refusal at 8.5-ft. bgs.	
8-12				
12-16				
16-20				
<b>Notes:</b>				

## EEE Consulting Boring Log

<b>Site: Keen Property Phase II Investigation</b>			<b>Boring:</b> B-4	<b>Date:</b> 2/25/2009
			<b>By:</b> RD	<b>Drilling Method:</b> Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:	
0-4		1.3	0 - 0.5-ft. Topsoil. 0.5 - 3-ft. - Yellow brown silty clay, very moist. 3 - 4-ft. - Dark brown silty clay, moist, no petroleum odor.	
4-8	Yes	2.4	Dark olive grey silty clay, moist, no petroleum odor.	
8-12		1.8	Same as above. Refusalt at 10.9-ft. bgs.	
12-16				
16-20				
<b>Notes:</b>				

## EEE Consulting Boring Log

<b>Site: Keen Property Phase II Investigation</b>			<b>Boring:</b> B-5	<b>Date:</b> 2/25/2009
			<b>By:</b> RD	<b>Drilling Method:</b> Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:	
0-4		2.1	0 - 0.5-ft. Asphalt and gravel. 0.5 - 4-ft. - Red brown silty clay, very moist, no petroleum odor.	
4-8	Yes	16.4	Dark olive to dark brown silt with sand and sandstone fragments, moist, no odor. Refusal at 7.5-ft. bgs.	
8-12				
12-16				
16-20				
<b>Notes:</b>				

## EEE Consulting Boring Log

Site: Keen Property Phase II Investigation		Boring: B-6	Date: 2/25/2009
		By: RD	Drilling Method: Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:
0-4		1.5	0 - 0.5-ft. Topsoil. 0.5 - 4-ft. - Brown organics, wet (perched GW), no petroleum odor.
4-8		1.3	Grey brown fat clay with silt and sandstone fragments, moist, no petroleum odor.
8-12	Yes	1.4	Brown to dark grey and brown silt with sand and sandstone fragments, moist, no petroleum odor. Refusal at 9.7-ft. bgs.
12-16			
16-20			
<b>Notes:</b>			

## EEE Consulting Boring Log

Site: Keen Property Phase II Investigation			Boring: B-7	Date: 2/25/2009
			By: RD	Drilling Method: Geoprobe
Depth (ft BG)	Sample (yes or no)	PID (ppm)	Soil Description:	
0-4		0.9	0 - 0.5-ft. Topsoil. 0.5 - 4-ft. - Yellow brown silty clay, moist, no petroleum odor.	
4-8		0.8	Olive brown and dark yellow brown bedded silty clay, moist, no petroleum odor.	
8-12	Yes	0.7	Orange brown and olive bedded silt with sand, moist, no petroleum odor.	
12-16		0.0	12 - 14-ft. - Light orange brown silt and wet smear zone at 13-ft. bgs. 14 - 15-ft. - Dark olive silt with sand and sandstone fragments, moist, no petroleum odor. Refusal at 15-ft. bgs.	
16-20				
<b>Notes:</b>				

## **Appendix D**

### **Laboratory Analytical Results and Chain of Custody Documentation**

## Analytical Report

Work Order: RSB0868

Project Description  
EEE Consulting -

For:

Ryan Day

**EEE Consulting, Inc. - Blacksburg, VA**

201 Church Street SE, Ste C

Blacksburg, VA 24060-4878



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Amy Haag

Project Manager

Amy.Haag@testamericainc.com

Thursday, May 7, 2009

The test results in this report meet all NELAP requirements for analytes for which accreditation is required or available. Any exception to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without the written approval of the laboratory. All questions regarding this test report should be directed to the TestAmerica Project manager who has signed this report.

## TestAmerica Buffalo Current Certifications

As of 1/27/2009

<b>STATE</b>	<b>Program</b>	<b>Cert # / Lab ID</b>
<b>Arkansas</b>	CWA, RCRA, SOIL	88-0686
<b>California*</b>	NELAP CWA, RCRA	01169CA
<b>Connecticut</b>	SDWA, CWA, RCRA, SOIL	PH-0568
<b>Florida*</b>	NELAP CWA, RCRA	E87672
<b>Georgia*</b>	SDWA, NELAP CWA, RCRA	956
<b>Illinois*</b>	NELAP SDWA, CWA, RCRA	200003
<b>Iowa</b>	SW/CS	374
<b>Kansas*</b>	NELAP SDWA, CWA, RCRA	E-10187
<b>Kentucky</b>	SDWA	90029
<b>Kentucky UST</b>	UST	30
<b>Louisiana*</b>	NELAP CWA, RCRA	2031
<b>Maine</b>	SDWA, CWA	NY0044
<b>Maryland</b>	SDWA	294
<b>Massachusetts</b>	SDWA, CWA	M-NY044
<b>Michigan</b>	SDWA	9937
<b>Minnesota</b>	SDWA, CWA, RCRA	036-999-337
<b>New Hampshire*</b>	NELAP SDWA, CWA	233701
<b>New Jersey*</b>	NELAP, SDWA, CWA, RCRA,	NY455
<b>New York*</b>	NELAP, AIR, SDWA, CWA, RCRA, CLP	10026
<b>Oklahoma</b>	CWA, RCRA	9421
<b>Pennsylvania*</b>	NELAP CWA, RCRA	68-00281
<b>Tennessee</b>	SDWA	02970
<b>Texas*</b>	NELAP CWA, RCRA	T104704412-08-TX
<b>USDA</b>	FOREIGN SOIL PERMIT	S-41579
<b>USDOE</b>	Department of Energy	DOECAP-STB
<b>Virginia</b>	SDWA	278
<b>Washington*</b>	NELAP CWA, RCRA	C1677
<b>Wisconsin</b>	CWA, RCRA	998310390
<b>West Virginia</b>	CWA, RCRA	252

\*As required under the indicated accreditation, the test results in this report meet all NELAP requirements for parameters for which accreditation is required or available. Any exceptions to NELAP requirements are noted in this report.

EEE Consulting, Inc. - Blacksburg, VA  
201 Church Street SE, Ste C  
Blacksburg, VA 24060-4878

Work Order: RSB0868

Project: EEE Consulting -  
Project Number: EEE-0006

Received: 02/26/09  
Reported: 05/07/09 12:30

## Case Narrative

According to 40CFR Part 136.3, pH, Chlorine Residual, Dissolved Oxygen, Sulfite, and Temperature analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. field-pH), they were not analyzed immediately, but as soon as possible after laboratory receipt.

There are pertinent documents appended to this report, 25 pages, are included and are an integral part of this report. Reproduction of this analytical report is permitted only in its entirety. This report shall not be reproduced except in full without the written approval of the laboratory.

TestAmerica Laboratories, Inc. certifies that the analytical results contained herein apply only to the samples tested as received by our Laboratory.

EEE Consulting, Inc. - Blacksburg, VA  
201 Church Street SE, Ste C  
Blacksburg, VA 24060-4878

Work Order: RSB0868

Project: EEE Consulting -  
Project Number: EEE-0006

Received: 02/26/09  
Reported: 05/07/09 12:30

The requested project specific reporting limits listed below were less than lab standard quantitation limits but greater than or equal to the lab MDL. It must be noted that results reported below lab standard quantitation limits (PQL) may result in false positive/false negative values and less accurate quantitation. Routine laboratory procedures do not indicate corrective action for detections below the laboratory's PQL.

<u>SpecificMethod</u>	<u>Analyte</u>	<u>Units</u>	<u>Client RL</u>	<u>Lab PQL</u>
8021B	Benzene	ug/kg dry	1.0	11
8021B	Ethylbenzene	ug/kg dry	1.0	11
8021B	Methyl tert-Butyl Ether	ug/kg dry	1.0	11
8021B	m-Xylene & p-Xylene	ug/kg dry	2.0	23
8021B	Naphthalene	ug/kg dry	5.0	11
8021B	o-Xylene	ug/kg dry	1.0	11
8021B	Toluene	ug/kg dry	1.0	11

EEE Consulting, Inc. - Blacksburg, VA  
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Received: 02/26/09  
Reported: 05/07/09 12:30

## DATA QUALIFIERS AND DEFINITIONS

- B** Analyte was detected in the associated Method Blank.
- M1** The MS and/or MSD were outside the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- M2** The MS and/or MSD were below the acceptance limits due to sample matrix interference. See Blank Spike (LCS).
- MHA** Due to high levels of analyte in the sample, the MS/MSD calculation does not provide useful spike recovery information. See Blank Spike (LCS).
- R3** The RPD exceeded the acceptance limit due to sample matrix effects.
- Z** Due to sample matrix effects, the surrogate recovery was below the acceptance limits.
- Z3** The sample required a dilution due to the nature of the sample matrix. Because of this dilution, the surrogate spike concentration in the sample was reduced to a level where the recovery calculation does not provide useful information.

## ADDITIONAL COMMENTS

Results are reported on a wet weight basis unless otherwise noted.

EEE Consulting, Inc. - Blacksburg, VA  
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Work Order: RSB0868  
Project: EEE Consulting -  
Project Number: EEE-0006

Received: 02/26/09  
Reported: 05/07/09 12:30

**Executive Summary - Detections**

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Dilution Units	Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-01 (KEEN PROPERTY B-1 12-16FT - Solid)</b>					<b>Sampled: 02/25/09 14:00</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>General Chemistry Parameters</b>										
Percent Solids	83		0.010	NR	%	1.00	02/27/09 15:00	JRS	9B27037	Dry Weight
<b>Volatile Organic Compounds by EPA Method 8021A</b>										
m-Xylene & p-Xylene	3.7		2.4	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
Naphthalene	18		6.0	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
Toluene	3.0	B	1.2	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
<b>Sample ID: RSB0868-02 (KEEN PROPERTY B-2 12-15FT - Solid)</b>					<b>Sampled: 02/25/09 14:05</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>General Chemistry Parameters</b>										
Percent Solids	74		0.010	NR	%	1.00	02/27/09 15:02	JRS	9B27037	Dry Weight
<b>Sample ID: RSB0868-03 (KEEN PROPERTY B-3 4-8.5FT - Solid)</b>					<b>Sampled: 02/25/09 14:20</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>Diesel Range Organics by 8015M</b>										
Diesel range organics	810		94	NR	mg/kg dry	5.00	03/01/09 11:54	tch	9B26101	8015
<b>Gasoline Range Organics by EPA 8015M</b>										
Gasoline Range Organics	250		14	NR	mg/kg dry	50.0	03/05/09 12:54	tch	9C06010	8015
<b>General Chemistry Parameters</b>										
Percent Solids	88		0.010	NR	%	1.00	02/27/09 15:04	JRS	9B27037	Dry Weight
<b>Volatile Organic Compounds by EPA Method 8021A</b>										
Ethylbenzene	16000		110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
m-Xylene & p-Xylene	40000		230	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
Naphthalene	9900		570	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
o-Xylene	16000		110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
Toluene	6500	B	110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
<b>Oil Range Organics (ORO)</b>										
C28-C35	3.9		2.5	NR	mg/Kg	1.00	03/02/09 15:42	DG	85525	8015B O01
<b>Sample ID: RSB0868-04 (KEEN PROPERTY B-4 4-8FT - Solid)</b>					<b>Sampled: 02/25/09 14:30</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>General Chemistry Parameters</b>										
Percent Solids	79		0.010	NR	%	1.00	02/27/09 15:06	JRS	9B27037	Dry Weight
<b>Volatile Organic Compounds by EPA Method 8021A</b>										
Ethylbenzene	7.1		1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
m-Xylene & p-Xylene	26		2.5	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
o-Xylene	5.8		1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
Toluene	10	B	1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
<b>Sample ID: RSB0868-05 (KEEN PROPERTY B-5 4-7.5FT - Solid)</b>					<b>Sampled: 02/25/09 14:45</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>General Chemistry Parameters</b>										
Percent Solids	87		0.010	NR	%	1.00	02/27/09 15:08	JRS	9B27037	Dry Weight
<b>Volatile Organic Compounds by EPA Method 8021A</b>										
m-Xylene & p-Xylene	4.6		2.3	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
Naphthalene	15		5.7	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
Toluene	2.5	B	1.1	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
<b>Sample ID: RSB0868-06 (KEEN PROPERTY B-6 8-9.7FT - Solid)</b>					<b>Sampled: 02/25/09 14:55</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>General Chemistry Parameters</b>										
Percent Solids	82		0.010	NR	%	1.00	02/27/09 15:10	JRS	9B27037	Dry Weight
<b>Sample ID: RSB0868-07 (KEEN PROPERTY B-7 8-12FT - Solid)</b>					<b>Sampled: 02/25/09 15:00</b>			<b>Recvd: 02/26/09 09:00</b>		
<b>General Chemistry Parameters</b>										
Percent Solids	65		0.010	NR	%	1.00	02/27/09 15:12	JRS	9B27037	Dry Weight

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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EEE Consulting, Inc. - Blacksburg, VA  
 201 Church Street SE, Ste C  
 Blacksburg, VA 24060-4878

Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## Executive Summary - Detections

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Dilution Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-07 (KEEN PROPERTY B-7 8-12FT - Solid) - cont.</b>					<b>Sampled: 02/25/09 15:00</b>			<b>Recvd: 02/26/09 09:00</b>		
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	7.3		2.5	NR	mg/Kg	1.00	03/05/09 16:47	KA	85773	8015B O01
<b>Sample ID: RSB0868-08 (KEEN PROPERTY COMP - Solid)</b>					<b>Sampled: 02/25/09 15:05</b>			<b>Recvd: 02/26/09 09:00</b>		
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	81		0.010	NR	%	1.00	02/27/09 15:14	JRS	9B27037	Dry Weight
<b><u>Total Metals by SW 846 Series Methods</u></b>										
Barium	215		0.653	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Cadmium	0.303		0.261	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Chromium	90.7		0.653	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Lead	32.2		1.3	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B

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Work Order: RSB0868

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Received: 02/26/09  
Reported: 05/07/09 12:30

## Sample Summary

<b>SAMPLE IDENTIFICATION</b>	<b>LAB NUMBER</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
KEEN PROPERTY B-1 12-16FT	RSB0868-01	Solid	02/25/09 14:00	02/26/09 09:00
KEEN PROPERTY B-2 12-15FT	RSB0868-02	Solid	02/25/09 14:05	02/26/09 09:00
KEEN PROPERTY B-3 4-8.5FT	RSB0868-03	Solid	02/25/09 14:20	02/26/09 09:00
KEEN PROPERTY B-4 4-8FT	RSB0868-04	Solid	02/25/09 14:30	02/26/09 09:00
KEEN PROPERTY B-5 4-7.5FT	RSB0868-05	Solid	02/25/09 14:45	02/26/09 09:00
KEEN PROPERTY B-6 8-9.7FT	RSB0868-06	Solid	02/25/09 14:55	02/26/09 09:00
KEEN PROPERTY B-7 8-12FT	RSB0868-07	Solid	02/25/09 15:00	02/26/09 09:00
KEEN PROPERTY COMP	RSB0868-08	Solid	02/25/09 15:05	02/26/09 09:00

EEE Consulting, Inc. - Blacksburg, VA  
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## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-01 (KEEN PROPERTY B-1 12-16FT - Solid)</b>						<b>Sampled: 02/25/09 14:00</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	ND		20	NR	mg/kg dry	1.00	02/28/09 15:34	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	68 %						02/28/09 15:34	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	ND		0.30	NR	mg/kg dry	1.00	03/05/09 11:52	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	71 %						03/05/09 11:52	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	83		0.010	NR	%	1.00	02/27/09 15:00	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
Ethylbenzene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		1.2	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
m-Xylene & p-Xylene	3.7		2.4	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
Naphthalene	18		6.0	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
o-Xylene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
Toluene	3.0	B	1.2	NR	ug/kg dry	1.00	03/10/09 03:37	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	84 %						03/10/09 03:37	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	77 %	Z					03/10/09 03:37	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	ND		2.5	NR	mg/Kg	1.00	03/02/09 15:32	DG	85525	8015B O01

EEE Consulting, Inc. - Blacksburg, VA  
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Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-02 (KEEN PROPERTY B-2 12-15FT - Solid)</b>						<b>Sampled: 02/25/09 14:05</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	ND		23	NR	mg/kg dry	1.00	02/28/09 17:16	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	77 %						02/28/09 17:16	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	ND		0.34	NR	mg/kg dry	1.00	03/05/09 12:23	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	76 %						03/05/09 12:23	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	74		0.010	NR	%	1.00	02/27/09 15:02	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		1.4	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
Ethylbenzene	ND		1.4	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		1.4	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
m-Xylene & p-Xylene	ND		2.7	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
Naphthalene	ND		6.8	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
o-Xylene	ND		1.4	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
Toluene	ND		1.4	NR	ug/kg dry	1.00	03/10/09 04:06	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	79 %						03/10/09 04:06	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	74 %	Z					03/10/09 04:06	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	ND		2.5	NR	mg/Kg	1.00	03/02/09 15:37	DG	85525	8015B O01

EEE Consulting, Inc. - Blacksburg, VA  
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 Blacksburg, VA 24060-4878

Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-03 (KEEN PROPERTY B-3 4-8.5FT - Solid)</b>						<b>Sampled: 02/25/09 14:20</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	810		94	NR	mg/kg dry	5.00	03/01/09 11:54	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	75 %						03/01/09 11:54	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	250		14	NR	mg/kg dry	50.0	03/05/09 12:54	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	*	Z3					03/05/09 12:54	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	88		0.010	NR	%	1.00	02/27/09 15:04	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
Ethylbenzene	16000		110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
m-Xylene & p-Xylene	40000		230	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
Naphthalene	9900		570	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
o-Xylene	16000		110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
Toluene	6500	B	110	NR	ug/kg dry	100	03/10/09 04:34	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	384 %	Z					03/10/09 04:34	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	537 %	Z					03/10/09 04:34	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	3.9		2.5	NR	mg/Kg	1.00	03/02/09 15:42	DG	85525	8015B O01

EEE Consulting, Inc. - Blacksburg, VA  
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 Blacksburg, VA 24060-4878

Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-04 (KEEN PROPERTY B-4 4-8FT - Solid)</b>						<b>Sampled: 02/25/09 14:30</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	ND		21	NR	mg/kg dry	1.00	02/28/09 18:24	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	75 %						02/28/09 18:24	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	ND		0.32	NR	mg/kg dry	1.00	03/05/09 13:25	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	88 %						03/05/09 13:25	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	79		0.010	NR	%	1.00	02/27/09 15:06	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
Ethylbenzene	7.1		1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
m-Xylene & p-Xylene	26		2.5	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
Naphthalene	ND		6.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
o-Xylene	5.8		1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
Toluene	10	B	1.3	NR	ug/kg dry	1.00	03/10/09 05:03	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	88 %						03/10/09 05:03	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	65 %	Z					03/10/09 05:03	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	ND		2.5	NR	mg/Kg	1.00	03/02/09 15:47	DG	85525	8015B O01

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## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-05 (KEEN PROPERTY B-5 4-7.5FT - Solid)</b>						<b>Sampled: 02/25/09 14:45</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	ND		19	NR	mg/kg dry	1.00	02/28/09 18:58	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	77 %						02/28/09 18:58	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	ND		0.29	NR	mg/kg dry	1.00	03/05/09 13:56	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	81 %						03/05/09 13:56	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	87		0.010	NR	%	1.00	02/27/09 15:08	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		1.1	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
Ethylbenzene	ND		1.1	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		1.1	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
m-Xylene & p-Xylene	4.6		2.3	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
Naphthalene	15		5.7	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
o-Xylene	ND		1.1	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
Toluene	2.5	B	1.1	NR	ug/kg dry	1.00	03/10/09 05:32	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	92 %						03/10/09 05:32	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	86 %						03/10/09 05:32	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	ND		2.5	NR	mg/Kg	1.00	03/02/09 15:52	DG	85525	8015B O01

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Received: 02/26/09  
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## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-06 (KEEN PROPERTY B-6 8-9.7FT - Solid)</b>						<b>Sampled: 02/25/09 14:55</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	ND		20	NR	mg/kg dry	1.00	02/28/09 19:32	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	84 %						02/28/09 19:32	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	ND		0.31	NR	mg/kg dry	1.00	03/05/09 14:27	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	76 %						03/05/09 14:27	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	82		0.010	NR	%	1.00	02/27/09 15:10	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
Ethylbenzene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		1.2	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
m-Xylene & p-Xylene	ND		2.5	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
Naphthalene	ND		6.1	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
o-Xylene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
Toluene	ND		1.2	NR	ug/kg dry	1.00	03/10/09 06:00	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	82 %						03/10/09 06:00	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	74 %	Z					03/10/09 06:00	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	ND		2.5	NR	mg/Kg	1.00	03/02/09 15:57	DG	85525	8015B O01

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Received: 02/26/09  
 Reported: 05/07/09 12:30

## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-07 (KEEN PROPERTY B-7 8-12FT - Solid)</b>						<b>Sampled: 02/25/09 15:00</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>Diesel Range Organics by 8015M</u></b>										
Diesel range organics	ND		25	NR	mg/kg dry	1.00	02/28/09 20:06	tch	9B26101	8015
<i>Surr: o-Terphenyl (46-148%)</i>	68 %						02/28/09 20:06	tch	9B26101	8015
<b><u>Gasoline Range Organics by EPA 8015M</u></b>										
Gasoline Range Organics	ND		0.38	NR	mg/kg dry	1.00	03/05/09 14:58	tch	9C06010	8015
<i>Surr: a,a,a-Trifluorotoluene (46-156%)</i>	73 %						03/05/09 14:58	tch	9C06010	8015
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	65		0.010	NR	%	1.00	02/27/09 15:12	JRS	9B27037	Dry Weight
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>										
Benzene	ND		1.5	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
Ethylbenzene	ND		1.5	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
Methyl tert-Butyl Ether	ND		1.5	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
m-Xylene & p-Xylene	ND		3.1	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
Naphthalene	ND		7.7	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
o-Xylene	ND		1.5	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
Toluene	ND		1.5	NR	ug/kg dry	1.00	03/10/09 06:29	tch	9C09099	8021B
<i>Surr: 4-Bromofluorobenzene (66-138%)</i>	82 %						03/10/09 06:29	tch	9C09099	8021B
<i>Surr: a,a,a-Trifluorotoluene (78-118%)</i>	75 %	Z					03/10/09 06:29	tch	9C09099	8021B
<b><u>Oil Range Organics (ORO)</u></b>										
C28-C35	7.3		2.5	NR	mg/Kg	1.00	03/05/09 16:47	KA	85773	8015B O01

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Work Order: RSB0868  
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Received: 02/26/09  
 Reported: 05/07/09 12:30

## Analytical Report

Analyte	Sample Result	Data Qualifiers	Rpt Limit	MDL	Units	Dilution Factor	Date Analyzed	Analyst	Seq/ Batch	Method
<b>Sample ID: RSB0868-08 (KEEN PROPERTY COMP - Solid)</b>						<b>Sampled: 02/25/09 15:05</b>		<b>Recvd: 02/26/09 09:00</b>		
<b><u>General Chemistry Parameters</u></b>										
Percent Solids	81		0.010	NR	%	1.00	02/27/09 15:14	JRS	9B27037	Dry Weight
<b><u>Total Metals by SW 846 Series Methods</u></b>										
Arsenic	ND		2.6	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Barium	215		0.653	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Cadmium	0.303		0.261	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Chromium	90.7		0.653	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Lead	32.2		1.3	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Selenium	ND		5.2	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Silver	ND		0.653	NR	mg/kg dry	1.00	03/03/09 00:57	TWS	9B27068	6010B
Mercury	ND		0.100	NR	mg/kg dry	1.00	03/03/09 11:03	DAN	9C03012	7471A

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Project: EEE Consulting -  
 Project Number: EEE-0006

## SAMPLE EXTRACTION DATA

Parameter	Batch	Lab Number	Wt/Vol Extracted	Units	Extract Volume	Units	Date	Analyst	Extraction Method
<b>Diesel Range Organics by 8015M</b>									
8015	9B26101	RSB0868-01	30.71	g	1.00	mL	02/27/09 08:00	JB	3550B GC
8015	9B26101	RSB0868-02	30.09	g	1.00	mL	02/27/09 08:00	JB	3550B GC
8015	9B26101	RSB0868-03	30.44	g	1.00	mL	02/27/09 08:00	JB	3550B GC
8015	9B26101	RSB0868-04	30.46	g	1.00	mL	02/27/09 08:00	JB	3550B GC
8015	9B26101	RSB0868-05	30.48	g	1.00	mL	02/27/09 08:00	JB	3550B GC
8015	9B26101	RSB0868-06	30.10	g	1.00	mL	02/27/09 08:00	JB	3550B GC
8015	9B26101	RSB0868-07	30.42	g	1.00	mL	02/27/09 08:00	JB	3550B GC
<b>Gasoline Range Organics by EPA 8015M</b>									
8015	9C06010	RSB0868-01	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
8015	9C06010	RSB0868-02	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
8015	9C06010	RSB0868-03	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
8015	9C06010	RSB0868-04	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
8015	9C06010	RSB0868-05	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
8015	9C06010	RSB0868-06	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
8015	9C06010	RSB0868-07	5.00	g	50.00	mL	03/05/09 00:00	GFD	5035A GC Medium
<b>General Chemistry Parameters</b>									
Dry Weight	9B27037	RSB0868-01	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-02	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-03	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-04	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-05	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-06	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-07	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
Dry Weight	9B27037	RSB0868-08	10.00	g	10.00	g	02/27/09 11:15	JRS	Dry Weight
<b>Total Metals by SW 846 Series Methods</b>									
6010B	9B27068	RSB0868-08	0.47	g	50.00	mL	03/02/09 12:15	DAN	3050B
6010B	9B27068	RSB0868-08	0.47	g	50.00	mL	02/27/09 15:17	MMB	3050B
7471A	9C03012	RSB0868-08	0.61	g	50.00	mL	03/03/09 11:00	DAN	7471A_
<b>Volatile Organic Compounds by EPA Method 8021A</b>									
8021B	9C09099	RSB0868-01	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV
8021B	9C09099	RSB0868-02	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV
8021B	9C09099	RSB0868-03	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV
8021B	9C09099	RSB0868-04	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV
8021B	9C09099	RSB0868-05	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV
8021B	9C09099	RSB0868-06	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV
8021B	9C09099	RSB0868-07	5.00	g	50.00	mL	03/05/09 00:00	GSR	Methanol Prep GV

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## LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifier
<b>Diesel Range Organics by 8015M</b>												
<b>Blank Analyzed: 02/28/09 (9B26101-BLK1)</b>												
Diesel range organics	9B26101			17	NA	mg/kg wet	ND					
<i>Surrogate: o-Terphenyl</i>						mg/kg wet		100	46-148			
<b>LCS Analyzed: 02/28/09 (9B26101-BS1)</b>												
Diesel range organics	9B26101		50	17	NA	mg/kg wet	45.0	90	64-137			
<i>Surrogate: o-Terphenyl</i>						mg/kg wet		84	46-148			
<b>LCS Dup Analyzed: 02/28/09 (9B26101-BSD1)</b>												
Diesel range organics	9B26101		49	16	NA	mg/kg wet	45.0	92	64-137	0	35	
<i>Surrogate: o-Terphenyl</i>						mg/kg wet		82	46-148			

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## LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifier
<b>Gasoline Range Organics by EPA 8015M</b>												
<b>Blank Analyzed: 03/05/09 (9C06010-BLK1)</b>												
Gasoline Range Organics	9C06010			0.25	NA	mg/kg wet	ND					
<i>Surrogate: a,a,a-Trifluorotoluene</i>						mg/kg wet		85	46-156			
<b>LCS Analyzed: 03/05/09 (9C06010-BS1)</b>												
Gasoline Range Organics	9C06010		4.0	0.25	NA	mg/kg wet	2.35	59	70-154			
<i>Surrogate: a,a,a-Trifluorotoluene</i>						mg/kg wet		127	46-156			

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## LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifier
<b>Total Metals by SW 846 Series Methods</b>												
<b>Blank Analyzed: 03/03/09 (9B27068-BLK1)</b>												
Arsenic	9B27068			2.0	NA	mg/kg wet	ND					
Barium	9B27068			0.500	NA	mg/kg wet	ND					
Cadmium	9B27068			0.200	NA	mg/kg wet	ND					
Chromium	9B27068			0.500	NA	mg/kg wet	ND					
Lead	9B27068			1.0	NA	mg/kg wet	ND					
Selenium	9B27068			4.0	NA	mg/kg wet	ND					
Silver	9B27068			0.500	NA	mg/kg wet	ND					
<b>Matrix Spike Analyzed: 03/03/09 (9B27068-MS1)</b>												
<b>QC Source Sample: RSB0868-08</b>												
Arsenic	9B27068	0.541	47.8	2.4	NA	mg/kg dry	38.1	78	75-125			
Barium	9B27068	215	47.8	0.598	NA	mg/kg dry	225	21	75-125			MHA
Cadmium	9B27068	0.303	47.8	0.239	NA	mg/kg dry	41.3	86	75-125			
Chromium	9B27068	90.7	47.8	0.598	NA	mg/kg dry	202	233	75-125			M1
Lead	9B27068	32.2	47.8	1.2	NA	mg/kg dry	56.2	50	75-125			M1
Selenium	9B27068	ND	47.8	4.8	NA	mg/kg dry	36.7	77	75-125			
Silver	9B27068	ND	12.0	0.598	NA	mg/kg dry	10.6	89	75-125			
<b>Matrix Spike Dup Analyzed: 03/03/09 (9B27068-MSD1)</b>												
<b>QC Source Sample: RSB0868-08</b>												
Arsenic	9B27068	0.541	50.0	2.5	NA	mg/kg dry	40.3	80	75-125	6	20	
Barium	9B27068	215	50.0	0.625	NA	mg/kg dry	264	99	75-125	16	20	
Cadmium	9B27068	0.303	50.0	0.250	NA	mg/kg dry	42.9	85	75-125	4	20	
Chromium	9B27068	90.7	50.0	0.625	NA	mg/kg dry	122	64	75-125	49	20	M1,R3
Lead	9B27068	32.2	50.0	1.2	NA	mg/kg dry	79.9	95	75-125	35	20	M1
Selenium	9B27068	ND	50.0	5.0	NA	mg/kg dry	38.7	77	75-125	5	20	
Silver	9B27068	ND	12.5	0.625	NA	mg/kg dry	11.1	89	75-125	4	20	
<b>Reference Analyzed: 03/03/09 (9B27068-SRM1)</b>												
Arsenic	9B27068		133	2.0	NA	mg/kg wet	116	87	80.5-120.3			
Barium	9B27068		226	0.500	NA	mg/kg wet	209	92	81.4-118.6			
Cadmium	9B27068		103	0.200	NA	mg/kg wet	87.3	85	82.8-116.5			
Chromium	9B27068		219	0.500	NA	mg/kg wet	201	92	81.7-117.8			
Lead	9B27068		168	1.0	NA	mg/kg wet	148	88	81.5-118.5			
Selenium	9B27068		94.1	4.0	NA	mg/kg wet	84.3	90	76.8-123.3			
Silver	9B27068		81.2	0.500	NA	mg/kg wet	70.3	87	66.3-133			
<b>Total Metals by SW 846 Series Methods</b>												
<b>Blank Analyzed: 03/03/09 (9C03012-BLK1)</b>												
Mercury	9C03012			0.100	NA	mg/kg wet	ND					
<b>Reference Analyzed: 03/03/09 (9C03012-SRM1)</b>												
Mercury	9C03012		1.78	0.106	NA	mg/kg wet	1.81	102	68.4-132.2			

EEE Consulting, Inc. - Blacksburg, VA  
 201 Church Street SE, Ste C  
 Blacksburg, VA 24060-4878

Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD RPD Limit	RPD Qualifier
<b>Volatile Organic Compounds by EPA Method 8021A</b>											
<b>Blank Analyzed: 03/09/09 (9C09099-BLK1)</b>											
Benzene	9C09099			1.0	NA	ug/kg wet	ND				
Ethylbenzene	9C09099			1.0	NA	ug/kg wet	ND				
Methyl tert-Butyl Ether	9C09099			1.0	NA	ug/kg wet	ND				
m-Xylene & p-Xylene	9C09099			2.0	NA	ug/kg wet	ND				
Naphthalene	9C09099			5.0	NA	ug/kg wet	ND				
o-Xylene	9C09099			1.0	NA	ug/kg wet	ND				
Toluene	9C09099			1.0	NA	ug/kg wet	2.4				B
<i>Surrogate: 4-Bromofluorobenzene</i>						ug/kg wet		96	66-138		
<i>Surrogate: a,a,a-Trifluorotoluene</i>						ug/kg wet		88	78-118		
<b>LCS Analyzed: 03/09/09 (9C09099-BS1)</b>											
1,2,4-Trimethylbenzene	9C09099		200	1.0	NA	ug/kg wet	185	92	77-122		
1,3,5-Trimethylbenzene	9C09099		200	1.0	NA	ug/kg wet	189	94	78-114		
4-Isopropyltoluene	9C09099		200	1.0	NA	ug/kg wet	191	95	71-135		
Benzene	9C09099		200	1.0	NA	ug/kg wet	182	91	71-130		
Ethylbenzene	9C09099		200	1.0	NA	ug/kg wet	185	92	76-129		
Isopropylbenzene	9C09099		200	1.0	NA	ug/kg wet	185	93	77-138		
Methyl tert-Butyl Ether	9C09099		200	1.0	NA	ug/kg wet	177	89	58-135		
m-Xylene & p-Xylene	9C09099		400	2.0	NA	ug/kg wet	371	93	70-130		
Naphthalene	9C09099		200	5.0	NA	ug/kg wet	167	83	60-146		
n-Butylbenzene	9C09099		200	1.0	NA	ug/kg wet	182	91	78-125		
n-Propylbenzene	9C09099		200	1.0	NA	ug/kg wet	188	94	38-163		
o-Xylene	9C09099		200	1.0	NA	ug/kg wet	183	92	78-124		
sec-Butylbenzene	9C09099		200	1.0	NA	ug/kg wet	189	94	68-135		
tert-Butylbenzene	9C09099		200	1.0	NA	ug/kg wet	187	94	78-128		
Toluene	9C09099		200	1.0	NA	ug/kg wet	184	92	75-132		B
Xylenes, total	9C09099		600	3.0	NA	ug/kg wet	554	92	73-127		
<i>Surrogate: 4-Bromofluorobenzene</i>						ug/kg wet		98	66-138		
<i>Surrogate: a,a,a-Trifluorotoluene</i>						ug/kg wet		93	78-118		
<b>Matrix Spike Analyzed: 03/10/09 (9C09099-MS1)</b>											
<b>QC Source Sample: RSB0868-07</b>											
1,2,4-Trimethylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	235	76	77-122		M2
1,3,5-Trimethylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	230	75	78-114		M2
4-Isopropyltoluene	9C09099	ND	310	1.5	NA	ug/kg dry	231	75	71-135		
Benzene	9C09099	ND	310	1.5	NA	ug/kg dry	54.4	18	71-130		M2
Ethylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	185	60	76-129		M2
Isopropylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	199	65	77-138		M2
Methyl tert-Butyl Ether	9C09099	ND	310	1.5	NA	ug/kg dry	125	41	58-135		M2
m-Xylene & p-Xylene	9C09099	ND	610	3.1	NA	ug/kg dry	392	64	70-130		M2
Naphthalene	9C09099	ND	310	7.7	NA	ug/kg dry	216	70	60-146		
n-Butylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	222	72	78-125		M2
n-Propylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	232	75	38-163		
o-Xylene	9C09099	ND	310	1.5	NA	ug/kg dry	200	65	78-124		M2
sec-Butylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	232	75	68-135		
tert-Butylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	222	72	78-128		M2

TestAmerica Buffalo

10 Hazelwood Drive Amherst, NY 14228 tel 716-691-2600 fax 716-691-7991

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EEE Consulting, Inc. - Blacksburg, VA  
 201 Church Street SE, Ste C  
 Blacksburg, VA 24060-4878

Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifier
<b><u>Volatile Organic Compounds by EPA Method 8021A</u></b>												
<b>Matrix Spike Analyzed: 03/10/09 (9C09099-MS1)</b>												
<b>QC Source Sample: RSB0868-07</b>												
Toluene	9C09099	ND	310	1.5	NA	ug/kg dry	132	43	75-132			M2,B
Xylenes, total	9C09099	ND	920	4.6	NA	ug/kg dry	588	64	73-127			
<i>Surrogate: 4-Bromofluorobenzene</i>						ug/kg dry		77	66-138			
<i>Surrogate: a,a,a-Trifluorotoluene</i>						ug/kg dry		34	78-118			M2
<b>Matrix Spike Dup Analyzed: 03/10/09 (9C09099-MSD1)</b>												
<b>QC Source Sample: RSB0868-07</b>												
1,2,4-Trimethylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	239	78	77-122	2	30	
1,3,5-Trimethylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	248	81	78-114	7	30	
4-Isopropyltoluene	9C09099	ND	310	1.5	NA	ug/kg dry	242	79	71-135	4	35	
Benzene	9C09099	ND	310	1.5	NA	ug/kg dry	234	76	71-130	125	35	M2
Ethylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	241	78	76-129	26	35	
Isopropylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	242	79	77-138	20	35	
Methyl tert-Butyl Ether	9C09099	ND	310	1.5	NA	ug/kg dry	220	72	58-135	55	30	M2
m-Xylene & p-Xylene	9C09099	ND	610	3.1	NA	ug/kg dry	482	79	70-130	21	30	
Naphthalene	9C09099	ND	310	7.7	NA	ug/kg dry	203	66	60-146	6	30	
n-Butylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	229	75	78-125	3	35	M2
n-Propylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	241	78	38-163	4	30	
o-Xylene	9C09099	ND	310	1.5	NA	ug/kg dry	235	76	78-124	16	30	M2
sec-Butylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	241	78	68-135	4	35	
tert-Butylbenzene	9C09099	ND	310	1.5	NA	ug/kg dry	244	79	78-128	9	35	
Toluene	9C09099	ND	310	1.5	NA	ug/kg dry	236	77	75-132	56	30	M2,B
Xylenes, total	9C09099	ND	920	4.6	NA	ug/kg dry	713	77	73-127	19	30	
<i>Surrogate: 4-Bromofluorobenzene</i>						ug/kg dry		86	66-138			
<i>Surrogate: a,a,a-Trifluorotoluene</i>						ug/kg dry		76	78-118			M2

EEE Consulting, Inc. - Blacksburg, VA  
 201 Church Street SE, Ste C  
 Blacksburg, VA 24060-4878

Work Order: RSB0868  
 Project: EEE Consulting -  
 Project Number: EEE-0006

Received: 02/26/09  
 Reported: 05/07/09 12:30

## LABORATORY QC DATA

Analyte	Seq/ Batch	Source Result	Spike Level	MRL	MDL	Units	Result	% REC	% REC Limits	% RPD	RPD Limit	Qualifier
<b><u>Oil Range Organics (ORO)</u></b>												
<b>Blank Analyzed: 03/02/09 (400-85605-1)</b>												
Diesel Range Organics [C10-C28]	85525			2.5	NA	mg/Kg	ND		-			
C28-C35	85525			2.5	NA	mg/Kg	ND		-			
<b>LCS Analyzed: 03/02/09 (400-85605-2)</b>												
Diesel Range Organics [C10-C28]	85525			2.5	NA	mg/Kg	363	103	67-155			
<b>Matrix Spike Analyzed: 03/02/09 (400-85605-3)</b>												
<b>QC Source Sample: 400-85605-16</b>												
Diesel Range Organics [C10-C28]	85525	ND		2.5	NA	mg/Kg	251	72	43-144			
<b>Matrix Spike Dup Analyzed: 03/02/09 (400-85605-4)</b>												
<b>QC Source Sample: 400-85605-16</b>												
Diesel Range Organics [C10-C28]	85525	ND		2.5	NA	mg/Kg	268	77	43-144	6	47	
<b><u>Oil Range Organics (ORO)</u></b>												
<b>Blank Analyzed: 03/05/09 (400-85864-1)</b>												
Diesel Range Organics [C10-C28]	85773			2.5	NA	mg/Kg	ND		-			
C28-C35	85773			2.5	NA	mg/Kg	ND		-			
<b>LCS Analyzed: 03/05/09 (400-85864-2)</b>												
Diesel Range Organics [C10-C28]	85773			2.5	NA	mg/Kg	317	90	67-155			

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

Temperature on Receipt \_\_\_\_\_

Drinking Water? Yes  No

## Chain of Custody Record

TAL-4124 (1007)

Client: **EFF Consulting** Address: **201 Church St SE** City: **Rocky Mt** State: **VA** Zip Code: **24060**

Project Name and Location (State): **Keokuk Rd Phase II's**

Contract/Purchase Order/Quote No. \_\_\_\_\_

Project Manager: **Chris Bell** Telephone Number (Area Code)/Fax Number: **541 253-0170**

Site Contact: **Ron Day** Lab Contact: **Angie Hoag**

Carrier/Waybill Number \_\_\_\_\_

Date: **2-25-07** Chain of Custody Number: **122194**

Page **1** of **1**

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Matrix				Containers & Preservatives					Analysis (Attach list if more space is needed)	Special Instructions/ Conditions of Receipt			
			Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH			ZnAc2	NaOH	
Cornor Lake Piezometer B-4	2-25-09	12:40	X			X										
B-1 12-16-04		1400				X										
B-2 12-15-04		1405														
B-3 12-15-04		1420														
B-4 4-8-04		1430														
B-5 4-25-04		1445														
B-6 8-9-04		1455														
B-7 8-12-04		1500														
Composite		1505														

Possible Hazard Identification:  Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months  (A fee may be assessed if samples are retained longer than 1 month)

Turn Around Time Required:  24 Hours  48 Hours  7 Days  14 Days  21 Days  Other **Standard**

1. Relinquished By: **Ron Day** Date: **2-25-09** Time: **1800**

2. Relinquished By: **Chris Bell** Date: **2-24-09** Time: **0900**

3. Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Comments: **307-a**

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

## ANALYTICAL REPORT

Job Number: 400-38227-1

Job Description: Phase II

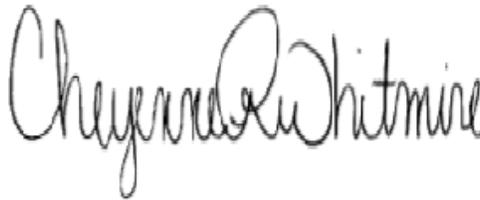
For:

TestAmerica Laboratories, Inc.

10 Hazelwood Drive

Amherst, NY 14228-2298

Attention: Ms. Amy Haag



Approved for release.  
Cheyenne Whitmire  
Project Manager I  
3/9/2009 4:35 PM

---

Cheyenne Whitmire

Project Manager I

cheyenne.whitmire@testamericainc.com

03/09/2009

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

TestAmerica Pensacola Certifications and Approvals: Alabama (40150), Arizona (AZ0710), Arkansas (88-0689), Florida (E81010), Illinois (200041), Iowa (367), Kansas (E-10253), Kentucky UST (53), Louisiana (30748), Maryland (233), Massachusetts (M-FL094), Michigan (9912), New Hampshire (250507), New Jersey (FL006), North Carolina (314), North Dakota (R-108), Oklahoma (9810), Pennsylvania (68-00467), Rhode Island (LAO00307), South Carolina (96026), Tennessee (TN02907), Texas (T104704286-08-TX), Virginia (00008), Washington (C2043), West Virginia (136), USDA Foreign Soil Permit (P330-08-00006).

**TestAmerica Laboratories, Inc.**

TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514

Tel (850) 474-1001 Fax (850) 478-2671 [www.testamericainc.com](http://www.testamericainc.com)



## METHOD SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

<b>Description</b>	<b>Lab Location</b>	<b>Method</b>	<b>Preparation Method</b>
<b>Matrix: Solid</b>			
Oil Range Organics (ORO)	TAL PEN	SW846 8015B	
Ultrasonic Extraction	TAL PEN		SW846 3550B

### Lab References:

TAL PEN = TestAmerica Pensacola

### Method References:

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

## METHOD / ANALYST SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

<b>Method</b>	<b>Analyst</b>	<b>Analyst ID</b>
SW846 8015B	Ayers, Kim	KA
SW846 8015B	Green, Dylan	DG
EPA PercentMoisture	Chea, Vanda	VC

## SAMPLE SUMMARY

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

<b>Lab Sample ID</b>	<b>Client Sample ID</b>	<b>Client Matrix</b>	<b>Date/Time Sampled</b>	<b>Date/Time Received</b>
400-38227-1	B-1, 12-16 FT	Solid	02/25/2009 1400	02/27/2009 1010
400-38227-2	B-2, 12-15 FT	Solid	02/25/2009 1405	02/27/2009 1010
400-38227-3	B-3, 4-8 FT	Solid	02/25/2009 1420	02/27/2009 1010
400-38227-4	B-4, 4-8 FT	Solid	02/25/2009 1430	02/27/2009 1010
400-38227-5	B-5, 4-7.5 FT	Solid	02/25/2009 1445	02/27/2009 1010
400-38227-6	B-6, 8-9.7 FT	Solid	02/25/2009 1455	02/27/2009 1010
400-38227-7	B-7, 8-12 FT	Solid	02/25/2009 1500	02/27/2009 1010

# **SAMPLE RESULTS**

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID: B-1, 12-16 FT**

Lab Sample ID: 400-38227-1

Date Sampled: 02/25/2009 1400

Client Matrix: Solid

Date Received: 02/27/2009 1010

---

**8015B Oil Range Organics (ORO)**

Method: 8015B  
Preparation: 3550B  
Dilution: 1.0  
Date Analyzed: 03/02/2009 1532  
Date Prepared: 03/02/2009 0818

Analysis Batch: 400-85605  
Prep Batch: 400-85525

Instrument ID: GC/FID/FID  
Lab File ID: 1801018.D  
Initial Weight/Volume: 30.21 g  
Final Weight/Volume: 5.0 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		<2.5		2.5
Surrogate		%Rec		Acceptance Limits
o-Terphenyl		70		59 - 143

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID: B-2, 12-15 FT**

Lab Sample ID: 400-38227-2

Date Sampled: 02/25/2009 1405

Client Matrix: Solid

Date Received: 02/27/2009 1010

---

**8015B Oil Range Organics (ORO)**

Method: 8015B

Analysis Batch: 400-85605

Instrument ID: GC/FID/FID

Preparation: 3550B

Prep Batch: 400-85525

Lab File ID: 1901019.D

Dilution: 1.0

Initial Weight/Volume: 30.32 g

Date Analyzed: 03/02/2009 1537

Final Weight/Volume: 5.0 mL

Date Prepared: 03/02/2009 0818

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		<2.5		2.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	66	59 - 143

# Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID:** B-3, 4-8 FT

Lab Sample ID: 400-38227-3

Date Sampled: 02/25/2009 1420

Client Matrix: Solid

Date Received: 02/27/2009 1010

---

## 8015B Oil Range Organics (ORO)

Method: 8015B

Analysis Batch: 400-85605

Instrument ID: GC/FID/FID

Preparation: 3550B

Prep Batch: 400-85525

Lab File ID: 2001020.D

Dilution: 1.0

Initial Weight/Volume: 30.41 g

Date Analyzed: 03/02/2009 1542

Final Weight/Volume: 5.0 mL

Date Prepared: 03/02/2009 0818

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		3.9		2.5
Surrogate		%Rec		Acceptance Limits
o-Terphenyl		107		59 - 143

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID:** B-4, 4-8 FT

Lab Sample ID: 400-38227-4

Client Matrix: Solid

Date Sampled: 02/25/2009 1430

Date Received: 02/27/2009 1010

---

**8015B Oil Range Organics (ORO)**

Method: 8015B

Preparation: 3550B

Dilution: 1.0

Date Analyzed: 03/02/2009 1547

Date Prepared: 03/02/2009 0818

Analysis Batch: 400-85605

Prep Batch: 400-85525

Instrument ID: GC/FID/FID

Lab File ID: 2101021.D

Initial Weight/Volume: 30.16 g

Final Weight/Volume: 5.0 mL

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		<2.5		2.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	74	59 - 143

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID:** B-5, 4-7.5 FT

Lab Sample ID: 400-38227-5

Client Matrix: Solid

Date Sampled: 02/25/2009 1445

Date Received: 02/27/2009 1010

---

**8015B Oil Range Organics (ORO)**

Method: 8015B

Analysis Batch: 400-85605

Instrument ID: GC/FID/FID

Preparation: 3550B

Prep Batch: 400-85525

Lab File ID: 2201022.D

Dilution: 1.0

Initial Weight/Volume: 30.12 g

Date Analyzed: 03/02/2009 1552

Final Weight/Volume: 5.0 mL

Date Prepared: 03/02/2009 0818

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		<2.5		2.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	73	59 - 143

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID: B-6, 8-9.7 FT**

Lab Sample ID: 400-38227-6

Client Matrix: Solid

Date Sampled: 02/25/2009 1455

Date Received: 02/27/2009 1010

---

**8015B Oil Range Organics (ORO)**

Method: 8015B

Analysis Batch: 400-85605

Instrument ID: GC/FID/FID

Preparation: 3550B

Prep Batch: 400-85525

Lab File ID: 2301023.D

Dilution: 1.0

Initial Weight/Volume: 30.16 g

Date Analyzed: 03/02/2009 1557

Final Weight/Volume: 5.0 mL

Date Prepared: 03/02/2009 0818

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		<2.5		2.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	59	59 - 143

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Client Sample ID: B-7, 8-12 FT**

Lab Sample ID: 400-38227-7

Date Sampled: 02/25/2009 1500

Client Matrix: Solid

Date Received: 02/27/2009 1010

---

**8015B Oil Range Organics (ORO)**

Method: 8015B

Analysis Batch: 400-85864

Instrument ID: GC/FID/FID

Preparation: 3550B

Prep Batch: 400-85773

Lab File ID: 1501015.D

Dilution: 1.0

Initial Weight/Volume: 30.26 g

Date Analyzed: 03/05/2009 1647

Final Weight/Volume: 5.0 mL

Date Prepared: 03/05/2009 0824

Injection Volume:

Column ID: PRIMARY

Analyte	DryWt Corrected: N	Result (mg/Kg)	Qualifier	RL
C28-C35		7.3		2.5

Surrogate	%Rec	Acceptance Limits
o-Terphenyl	65	59 - 143

Analytical Data

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

General Chemistry

Client Sample ID: B-1, 12-16 FT

Lab Sample ID: 400-38227-1
Client Matrix: Solid

Date Sampled: 02/25/2009 1400
Date Received: 02/27/2009 1010

Table with 8 columns: Analyte, Result, Qual, Units, RL, Dil, Method. Row 1: Percent Solids, 78, %, 0.10, 1.0, PercentMoisture. Row 2: Anly Batch: 400-85531, Date Analyzed 02/27/2009 1700

Client Sample ID: B-2, 12-15 FT

Lab Sample ID: 400-38227-2
Client Matrix: Solid

Date Sampled: 02/25/2009 1405
Date Received: 02/27/2009 1010

Table with 8 columns: Analyte, Result, Qual, Units, RL, Dil, Method. Row 1: Percent Solids, 72, %, 0.10, 1.0, PercentMoisture. Row 2: Anly Batch: 400-85531, Date Analyzed 02/27/2009 1700

Client Sample ID: B-3, 4-8 FT

Lab Sample ID: 400-38227-3
Client Matrix: Solid

Date Sampled: 02/25/2009 1420
Date Received: 02/27/2009 1010

Table with 8 columns: Analyte, Result, Qual, Units, RL, Dil, Method. Row 1: Percent Solids, 87, %, 0.10, 1.0, PercentMoisture. Row 2: Anly Batch: 400-85531, Date Analyzed 02/27/2009 1700

Client Sample ID: B-4, 4-8 FT

Lab Sample ID: 400-38227-4
Client Matrix: Solid

Date Sampled: 02/25/2009 1430
Date Received: 02/27/2009 1010

Table with 8 columns: Analyte, Result, Qual, Units, RL, Dil, Method. Row 1: Percent Solids, 83, %, 0.10, 1.0, PercentMoisture. Row 2: Anly Batch: 400-85531, Date Analyzed 02/27/2009 1700

Client Sample ID: B-5, 4-7.5 FT

Lab Sample ID: 400-38227-5
Client Matrix: Solid

Date Sampled: 02/25/2009 1445
Date Received: 02/27/2009 1010

Table with 8 columns: Analyte, Result, Qual, Units, RL, Dil, Method. Row 1: Percent Solids, 86, %, 0.10, 1.0, PercentMoisture. Row 2: Anly Batch: 400-85531, Date Analyzed 02/27/2009 1700

**Analytical Data**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

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**General Chemistry**

**Client Sample ID: B-6, 8-9.7 FT**

Lab Sample ID: 400-38227-6  
Client Matrix: Solid

Date Sampled: 02/25/2009 1455  
Date Received: 02/27/2009 1010

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Solids	71		%	0.10	1.0	PercentMoisture
	Anly Batch: 400-85531	Date Analyzed	02/27/2009	1700		

**Client Sample ID: B-7, 8-12 FT**

Lab Sample ID: 400-38227-7  
Client Matrix: Solid

Date Sampled: 02/25/2009 1500  
Date Received: 02/27/2009 1010

Analyte	Result	Qual	Units	RL	Dil	Method
Percent Solids	76		%	0.10	1.0	PercentMoisture
	Anly Batch: 400-85531	Date Analyzed	02/27/2009	1700		

## DATA REPORTING QUALIFIERS

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

<b>Lab Section</b>	<b>Qualifier</b>	<b>Description</b>
GC Semi VOA	F	MS or MSD exceeds the control limits

# QUALITY CONTROL RESULTS

## Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report		Method	Prep Batch
		Basis	Client Matrix		
<b>GC Semi VOA</b>					
<b>Prep Batch: 400-85525</b>					
LCS 400-85525/13-A	Lab Control Spike	T	Solid	3550B	
MB 400-85525/14-A	Method Blank	T	Solid	3550B	
400-38227-1	B-1, 12-16 FT	T	Solid	3550B	
400-38227-2	B-2, 12-15 FT	T	Solid	3550B	
400-38227-3	B-3, 4-8 FT	T	Solid	3550B	
400-38227-4	B-4, 4-8 FT	T	Solid	3550B	
400-38227-5	B-5, 4-7.5 FT	T	Solid	3550B	
400-38227-6	B-6, 8-9.7 FT	T	Solid	3550B	
400-38227-A-7-B MS	Matrix Spike	T	Solid	3550B	
400-38227-A-7-C MSD	Matrix Spike Duplicate	T	Solid	3550B	
<b>Analysis Batch:400-85605</b>					
LCS 400-85525/13-A	Lab Control Spike	T	Solid	8015B	400-85525
MB 400-85525/14-A	Method Blank	T	Solid	8015B	400-85525
400-38227-1	B-1, 12-16 FT	T	Solid	8015B	400-85525
400-38227-2	B-2, 12-15 FT	T	Solid	8015B	400-85525
400-38227-3	B-3, 4-8 FT	T	Solid	8015B	400-85525
400-38227-4	B-4, 4-8 FT	T	Solid	8015B	400-85525
400-38227-5	B-5, 4-7.5 FT	T	Solid	8015B	400-85525
400-38227-6	B-6, 8-9.7 FT	T	Solid	8015B	400-85525
400-38227-A-7-B MS	Matrix Spike	T	Solid	8015B	400-85525
400-38227-A-7-C MSD	Matrix Spike Duplicate	T	Solid	8015B	400-85525
<b>Prep Batch: 400-85773</b>					
LCS 400-85773/11-A	Lab Control Spike	T	Solid	3550B	
MB 400-85773/12-A	Method Blank	T	Solid	3550B	
400-38227-7	B-7, 8-12 FT	T	Solid	3550B	
400-38308-B-10-B MS	Matrix Spike	T	Solid	3550B	
400-38308-B-10-C MSD	Matrix Spike Duplicate	T	Solid	3550B	
<b>Analysis Batch:400-85864</b>					
LCS 400-85773/11-A	Lab Control Spike	T	Solid	8015B	400-85773
MB 400-85773/12-A	Method Blank	T	Solid	8015B	400-85773
400-38227-7	B-7, 8-12 FT	T	Solid	8015B	400-85773
400-38308-B-10-B MS	Matrix Spike	T	Solid	8015B	400-85773
400-38308-B-10-C MSD	Matrix Spike Duplicate	T	Solid	8015B	400-85773

**Report Basis**

T = Total

## Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

### QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
<b>General Chemistry</b>					
<b>Analysis Batch:400-85531</b>					
400-38227-1	B-1, 12-16 FT	T	Solid	PercentMoisture	
400-38227-2	B-2, 12-15 FT	T	Solid	PercentMoisture	
400-38227-3	B-3, 4-8 FT	T	Solid	PercentMoisture	
400-38227-4	B-4, 4-8 FT	T	Solid	PercentMoisture	
400-38227-5	B-5, 4-7.5 FT	T	Solid	PercentMoisture	
400-38227-6	B-6, 8-9.7 FT	T	Solid	PercentMoisture	
400-38227-7	B-7, 8-12 FT	T	Solid	PercentMoisture	

#### Report Basis

T = Total

## Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Method Blank - Batch: 400-85525**

Lab Sample ID: MB 400-85525/14-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Date Analyzed: 03/02/2009 1451  
 Date Prepared: 03/02/2009 0818

Analysis Batch: 400-85605  
 Prep Batch: 400-85525  
 Units: mg/Kg

**Method: 8015B**  
**Preparation: 3550B**  
 Instrument ID: GC/FID/FID  
 Lab File ID: 1001010.D  
 Initial Weight/Volume: 30.00 g  
 Final Weight/Volume: 5.0 mL  
 Injection Volume:  
 Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	<2.5		2.5
C28-C35	<2.5		2.5
Surrogate	% Rec		Acceptance Limits
o-Terphenyl	92		59 - 143

**Lab Control Spike - Batch: 400-85525**

Lab Sample ID: LCS 400-85525/13-A  
 Client Matrix: Solid  
 Dilution: 1.0  
 Date Analyzed: 03/02/2009 1456  
 Date Prepared: 03/02/2009 0818

Analysis Batch: 400-85605  
 Prep Batch: 400-85525  
 Units: mg/Kg

**Method: 8015B**  
**Preparation: 3550B**  
 Instrument ID: GC/FID/FID  
 Lab File ID: 1101011.D  
 Initial Weight/Volume: 30.00 g  
 Final Weight/Volume: 5.0 mL  
 Injection Volume:  
 Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10-C28]	353	363	103	67 - 155	
Surrogate		% Rec		Acceptance Limits	
o-Terphenyl		118		59 - 143	

Calculations are performed before rounding to avoid round-off errors in calculated results.

## Quality Control Results

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 400-85525**

**Method: 8015B  
Preparation: 3550B**

MS Lab Sample ID: 400-38227-A-7-B MS      Analysis Batch: 400-85605  
 Client Matrix: Solid                              Prep Batch: 400-85525  
 Dilution: 1.0  
 Date Analyzed: 03/02/2009 1501  
 Date Prepared: 03/02/2009 0818

Instrument ID: GC/FID/FID  
 Lab File ID: 1201012.D  
 Initial Weight/Volume: 30.28 g  
 Final Weight/Volume: 5.0 mL  
 Injection Volume:  
 Column ID: PRIMARY

MSD Lab Sample ID: 400-38227-A-7-C MSD      Analysis Batch: 400-85605  
 Client Matrix: Solid                              Prep Batch: 400-85525  
 Dilution: 1.0  
 Date Analyzed: 03/02/2009 1506  
 Date Prepared: 03/02/2009 0818

Instrument ID: GC/FID/FID  
 Lab File ID: 1301013.D  
 Initial Weight/Volume: 30.35 g  
 Final Weight/Volume: 5.0 mL  
 Injection Volume:  
 Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	72	77	43 - 144	6	47		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
o-Terphenyl		76	83			59 - 143	

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Method Blank - Batch: 400-85773**

**Method: 8015B**  
**Preparation: 3550B**

Lab Sample ID: MB 400-85773/12-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/05/2009 1611  
Date Prepared: 03/05/2009 0824

Analysis Batch: 400-85864  
Prep Batch: 400-85773  
Units: mg/Kg

Instrument ID: GC/FID/FID  
Lab File ID: 0801008.D  
Initial Weight/Volume: 30.00 g  
Final Weight/Volume: 5.0 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Result	Qual	RL
Diesel Range Organics [C10-C28]	<2.5		2.5
C28-C35	<2.5		2.5
Surrogate	% Rec	Acceptance Limits	
o-Terphenyl	89	59 - 143	

**Lab Control Spike - Batch: 400-85773**

**Method: 8015B**  
**Preparation: 3550B**

Lab Sample ID: LCS 400-85773/11-A  
Client Matrix: Solid  
Dilution: 1.0  
Date Analyzed: 03/05/2009 1616  
Date Prepared: 03/05/2009 0824

Analysis Batch: 400-85864  
Prep Batch: 400-85773  
Units: mg/Kg

Instrument ID: GC/FID/FID  
Lab File ID: 0901009.D  
Initial Weight/Volume: 30.00 g  
Final Weight/Volume: 5.0 mL  
Injection Volume:  
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Diesel Range Organics [C10-C28]	353	317	90	67 - 155	
Surrogate	% Rec		Acceptance Limits		
o-Terphenyl	97		59 - 143		

Calculations are performed before rounding to avoid round-off errors in calculated results.

**Quality Control Results**

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Matrix Spike/  
Matrix Spike Duplicate Recovery Report - Batch: 400-85773**

**Method: 8015B  
Preparation: 3550B**

MS Lab Sample ID: 400-38308-B-10-B MS      Analysis Batch: 400-85864  
 Client Matrix: Solid      Prep Batch: 400-85773  
 Dilution: 5.0  
 Date Analyzed: 03/05/2009 1621  
 Date Prepared: 03/05/2009 0824

Instrument ID: GC/FID/FID  
 Lab File ID: 1001010.D  
 Initial Weight/Volume: 30.14 g  
 Final Weight/Volume: 5.0 mL  
 Injection Volume:  
 Column ID: PRIMARY

MSD Lab Sample ID: 400-38308-B-10-C MSD      Analysis Batch: 400-85864  
 Client Matrix: Solid      Prep Batch: 400-85773  
 Dilution: 5.0  
 Date Analyzed: 03/05/2009 1626  
 Date Prepared: 03/05/2009 0824

Instrument ID: GC/FID/FID  
 Lab File ID: 1101011.D  
 Initial Weight/Volume: 30.09 g  
 Final Weight/Volume: 5.0 mL  
 Injection Volume:  
 Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Diesel Range Organics [C10-C28]	91	38	43 - 144	18	47		F
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
o-Terphenyl		60	71			59 - 143	

Calculations are performed before rounding to avoid round-off errors in calculated results.



## Login Sample Receipt Check List

Client: TestAmerica Laboratories, Inc.

Job Number: 400-38227-1

**Login Number: 38227**

**List Source: TestAmerica Pensacola**

**Creator: Chea, Vanda**

**List Number: 1**

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	202364
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	3.1°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	